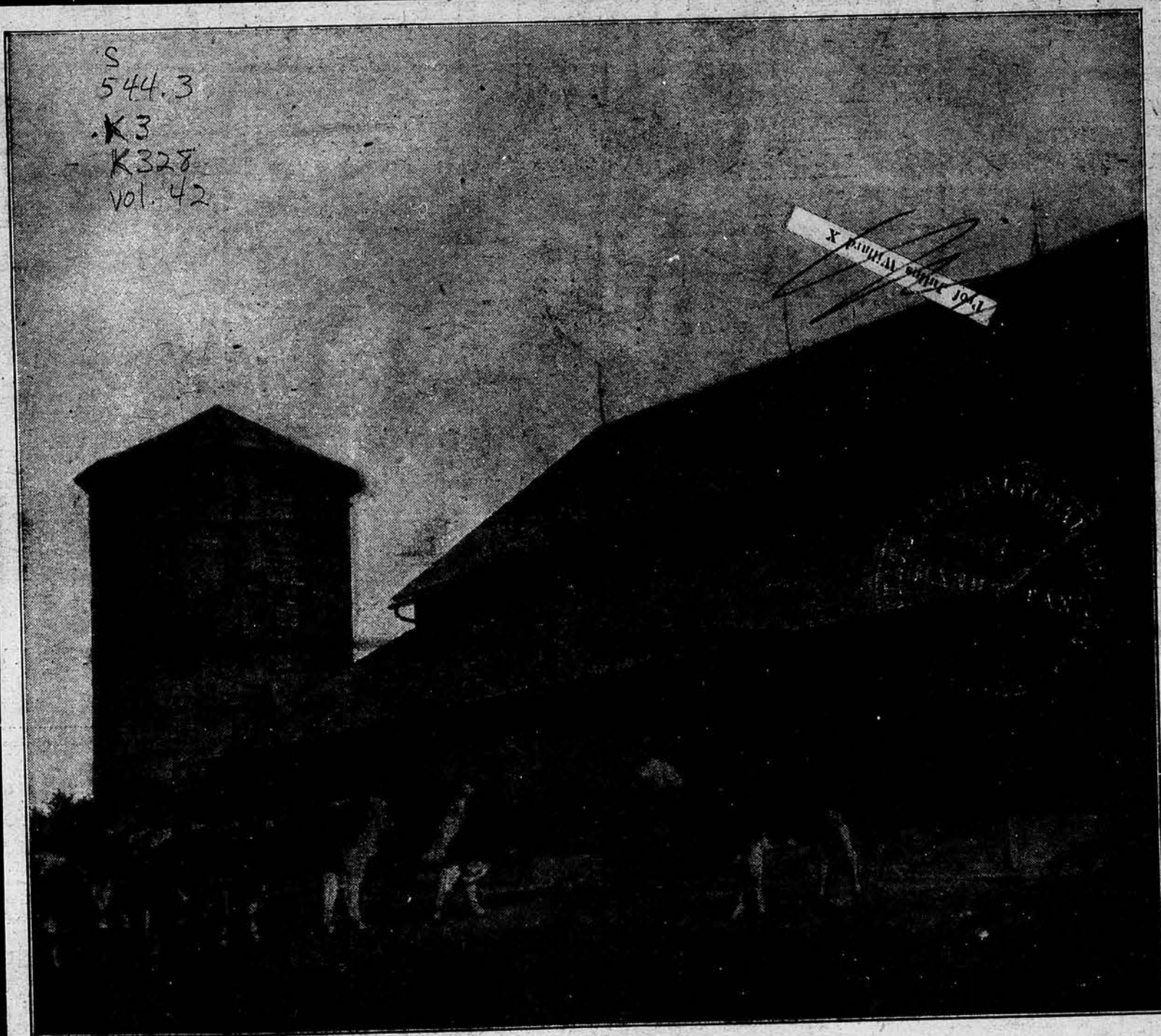


THE FARMERS MAIL AND BREEZE

Volume 42

March 16, 1912

Number 1



Three Acres of Good Corn Converted into Silage will Furnish Succulent Feed 180 Days for 14 Cows

NEXT week the new feed-maker and substitute for corn—Spanish peanuts—will be treated in a special article written for Farmers Mail and Breeze by H. M. Cottrell, who will tell all about planting and growing the crop. Peanuts thrive under the humid or semi-arid conditions of Kansas and Oklahoma, but are particularly excellent as a dry-land crop. They fatten hogs quickly, increase milk flow in cows and enrich the soil.

SECOND ANNUAL SILO NUMBER

BIG SUIT OFFER



Latest in Novelty Brown Worsted. Worth \$17.50 at any retail store. Strictly up-to-date. Fine color and finish; best sewing and trimmings. Sizes, 34 to 44-in. chest. For a Business or Dress Suit you could not wish better. Will save you \$6.00.

\$11.85

Free Samples on Request

Two Suits In One

\$2.95



Ages 8 to 16 Years

YOU GET THE WEAR OF TWO SUITS OUT OF ONE

Huntington Cassimere, dark gray color, serviceable, two pairs of trousers gives double wear, or the same as two suits in one. Style as shown, good lining, double-stitched seams. A handsome Boys' School Suit. Shipping weight about 3 lbs. Sizes, 8 to 16 years. This is the kind you pay up to \$6.00 the Suit at most retail stores. Our price saves you nearly one-half.
(Two in One) Suit, each.....\$2.95

A SQUARE DEAL FOR MEN and Boys

On CLOTHING

Rain or Shine Waterproof Coat

For Spring Wear in \$3.95

all Sorts of Weather

English Slip-On Model, positively rain-proof to all practical purposes, light in weight, easy to get around in and to carry. Can be used as a Dressy Street Coat or for driving. When not in use it can be rolled into small parcel and packed away in this manner in a cool place, without peril. Color is Olive Tan, smooth surfaced, serviceable and strong. Usually sells at from \$6.50 to \$8.50. Our price saves you one-third at least. Can be had in all sizes up to 44-inch chest. Also in Boys' and Children's, same style, and same good make.

The cloth in these coats is a light-weight Cantonette, backed with a thin, fine quality rubber sheeting, the two being vulcanized together into one smooth, double-surfaced, thin cloth. Warranted water-proof.

- 13TC800—Men's, 34 to 44-in. chest; Each.....\$3.95
- 13TC810—Boy's, 8 to 16 years; Each.....\$3.45
- 13TC805—Children's, 4 to 10 years; Each.....\$2.65



OUR CLOTHING DEPARTMENT is now prepared to fill all orders on Spring Suits for Men and Boys. A splendid new Clothing Catalog is now ready for all who are interested in dependable goods at money-saving prices. We want every reader of this paper to have one of these books. We want you to examine the samples of Clothes shown, look at the styles offered, and note the extremely low prices we are asking for these new 1912 garments. We feel certain that you can save from 30 to 50 cents on the dollar by coming to us, or sending us your orders. Get the New Spring Sample Book, by all means, and look it over. On all goods we Catalog we absolutely guarantee satisfaction or your money back. Order direct from this advertisement or from any previous advertisement, on that broad guarantee. Every dollar you save in buying from us is like finding money. All goods sent to you direct from Kansas City at a saving in freight. Fill in the Coupon for the Free Sample Book and send it in; or write us a post card.

JONES, POST & CO.
"The House That Saves You Money."

Boys' Complete

Suit, Shirt, Collar, Necktie, Cap, Shoes and Stockings—all for \$4.85.

Made Like the Illustration.

Boys' School Outfit, Complete. A wonderful bargain for Boys, consisting of the following: A double-breasted, heavy-weight, novelty cassimere knickerbocker Suit; a novelty-striped madras dress shirt; a plain white Collar (any style); an all-silk four-in-hand Necktie; a novelty Golf Cap; a pair of fine quality patent-leather Shoes (either button or laced style); a pair of strong, plain black, ribbed Stockings—everything necessary to start your boy off to school, for only \$4.85.

The Suit is made like the illustration, and is a serviceable quality, medium dark, and is a cassimere quality. This Suit is the kind that retails everywhere for nearly the price we are asking for this outfit complete.

School Outfit

Made for Boys 8 to 15 Years of Age

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ORDER AT ONCE TO BE SURE

The combination we offer we are sure you would be obliged to pay at least \$10.00 in retail stores.

REMEMBER we warrant this outfit to be thoroughly dependable, up-to-date in style, and at a guaranteed wholesale price. Sizes, 8 to 15 years. Outfit complete, packed, weight, 5 1/2 pounds.

- 13TC434—Outfit; Complete.....\$4.85

Cloth Samples FREE Write



GRAY DRESS SUIT

This is an all-wool gray Cassimere. Fine for a Dress Suit or for every day wear. Can be had in all regular sizes, 34 to 44-inch chest. Suit is well-made and well-lined. Shapes retaining in inner-lining. Popular style, new, and a bargain. Our price **\$12.50** \$16 Value

Be Sure to Order This Suit If You Want a Splendid Gray Outfit. Samples on Request.

\$2.25

WATCH FREE



Sizes 6 to 15 Years Only

Order from this Advertisement.

With each Suit of Wagoner Cassimere, made in the style shown, medium dark colors, striped with maroon or olive, we give an American made, nickel movement Watch FREE. The Suit is good; the Watch is a good time-keeper; the offer is a bargain. Be sure to give size of Suit in ordering.
Suit and Watch Offer.....\$2.25

\$10 Our Leader

Men's Business or Dress Suits



We are selling thousands of this handsome Satin-Lined Blue Serge Suit—the biggest and best Suit offer anywhere. Quality is exceptional at the price. All wool, diagonal cloth, in rich fast color, blue only. Made in popular sack style and lined with Wm. Skinner Satin Lining. This makes a Suit that you can be proud of any time, and which will compare favorably with Tailor-Made Suits costing \$18.00 to \$20.00. Can be had in all regular sizes, 34 to 44-inch chest; and 30 to 42-inch waist. The trouser inseam runs in length from waist. The trousers can be worn plain or cut bottom as desired. Every man who buys this Suit can save from seven to ten dollars. Order on number given:
13TC22—Men's Blue Serge (satin lined). \$10.00

FREE Clothing Catalog

Fill in Coupon and Mail to Jones, Post & Co., Kansas City, Mo. 1430

NAME.....
TOWN.....
R.F.D. STATE.....

Our Pommel Slicker or Riding Coat

\$2.65

Shipping Weight 6 1/2 Lbs.



Made especially for men who ride every day, or are compelled to be out in all kinds of weather. Fabric is best grade of Slicker material, and guaranteed to shed heaviest rain. So constructed that the entire person, as well as the saddle is entirely covered and fully protected. By means of an adjustable gore in the back, this Coat can immediately be converted to a Walking Coat. Thoroughly well-sewed. Sizes, 36 to 44-inch chest. State color, Yellow or Black.

Order Direct from This Advertisement.

- 13TC386—Black.....\$2.65
- 13TC388—Yellow.....\$2.65

Our Regular Bargain

From Year to Year

\$4.95



We have sold thousands and thousands of these Suits with no "come backs" on account of quality. Many claim that similar Suits sell for \$10 in their locality. We give in addition to the Cassimere Suit

=FREE=
Extra Pair Trousers to Match; Pair Silk Over-shot Suspenders; Fine Silk Necktie, any style, selected from our Catalog.

All three included with each Suit at \$4.95, cash with order. Trousers are same quality as Suit, and sure to meet with your approval. If not satisfactory on opening up the goods, or they do not fit, return and get your money. All sizes. Send chest and waist measures, and inseam of trousers.

- 13WC1118—Entire outfit as advertised, Free Extra Trousers, Suspenders and Silk Necktie.....\$4.95

"In All Things We Give You the Best Value for the Price."

Jones, Post & Co. 1430 West 9th St., KANSAS CITY, MO.



THE FARMERS MAIL AND BREEZE

AN AGRICULTURAL AND FAMILY JOURNAL FOR THE PEOPLE OF THE GREAT WEST.



Subscription
\$1.00 a Year

Volume 42
Number 1

TOPEKA, KANSAS, MARCH 16, 1912.

THE SILO'S IMPORTANT MISSION IN KANSAS

By F. D. Coburn

Written Expressly For Farmers Mail and Breeze

THE silo holds great possibilities for the agriculture of the United States. It is adapted to variant conditions; is good for the dry-land farmer and for the man in the rain belt; good for the one on high-priced land and the one on low-priced land; good in milk-making and good for meat-making. In winter it economically makes possible feed having the succulence of grass, and in summer supplements the pastures. It saves time and labor, and a considerable portion of the corn crop otherwise wasted, and consequently makes farming more remunerative, while it also conserves fertility. The writer has yet to come across an unfavorable report from anyone who has had extended experience in the intelligent use of silage. Poor construction, lack of wisdom in selecting the site, and inexperience or want of knowledge in filling, would be the principal causes of dissatisfaction with the silo.

Under the changed and changing conditions the silo seems to promise a way out for the farmer on high-priced land of the corn belt, who, even though he has the pasture, can hardly afford to graze cattle, either for meat or milk, on \$100 to \$200 land, when, for example, as shown by the Wisconsin station, 7 acres of good corn, converted into silage, will furnish "succulent feed for 14 cows for 180 days." Yet, it is prized not so much for supplementing or as a substitute for pastures as for providing in winter a feed approximating that naturally available in summer months.

No less encouraging is the silo to many farmers outside the so-called rain belt or where Indian corn is unreliable, for there Kafir may be used in its stead, as it yields a heavy tonnage that makes excellent silage. As a matter of fact, when it comes to comparing the situations of the stockmen of the corn belt and those elsewhere who cannot raise corn, their conditions in some respects are quite similar. For instance, while the corn-belt farmer's land may be worth 10 or more times as much per acre it would likely require 10 times as much of the plainsman's land to provide enough pasturage for a single animal. There is not such a wide difference in the investment required by the two as would at first appear; hence, the silo seems to fit to a nicety into these extremes in our agriculture and relatively it should be about as valuable for the one as for the other.

Last year's dry weather emphasizes the value of the silo as insurance against delayed or limited rainfall, in addition to its other qualities. In most parts of Kansas, crops could have been grown and ensiled, and this would have saved serious losses, and sacrifices by forced sales, as well as much money through providing inexpensive feed in comparison with the high prices for grain and roughage the past winter and at present. Nearly every year is favorable to producing material for filling the silo, for ordinarily corn is little damaged by lack of moisture before it reaches the siloing stage, and Kafir and milo, admirable dry-weather-resisting plants, are available not only in the corn belt but elsewhere through wide areas.

The silo will do away with the excessive labor of soiling, and catch crops, too. The Illinois station is authority for the statement that "the silo may be opened whenever pasture fails, regardless of the date, and the silage will remain in the best condition so long as needed. When pasture supplies enough feed

again, what is left in the silo may be covered over and preserved without waste, and added to when refilling the silo for winter use." The man with the silo is not only comparatively independent of dry seasons but of wet weather as well. Kansans are showing marked appreciation of its use. Five years ago possibly there were 50 or 100 in the state; a year ago in the neighborhood of 500 and today a conservative estimate places the number at 2,500.

In planning for a silo, by all means have it connected with the barn, if dairying; otherwise, have it located with respect to feeding quarters. Silos are made of various materials, as wood, concrete, brick, stone, iron and tile. If properly made, and care is exercised in filling, the silage will keep as well in one as in another. One contemplating the silo should secure from the experiment station its printed in-

cement to the thickness of about an inch. These are quite inexpensive, in several instances having been built with no cash outlay except for cement, as labor was exchanged. One pit silo, with a capacity of 65 tons, of which the writer has learned, actually cost in money but \$15, and this for the plasterer and cement. These silos were put in only last fall, and how satisfactory they are is not known at this time. Those who have them declare they possess at least one distinct advantage over some others, in that they will not blow down. While the cost of their filling would be slightly less, the extra labor involved in getting the silage out is worth consideration, for it might prove more expensive than the first cost of one built above ground.

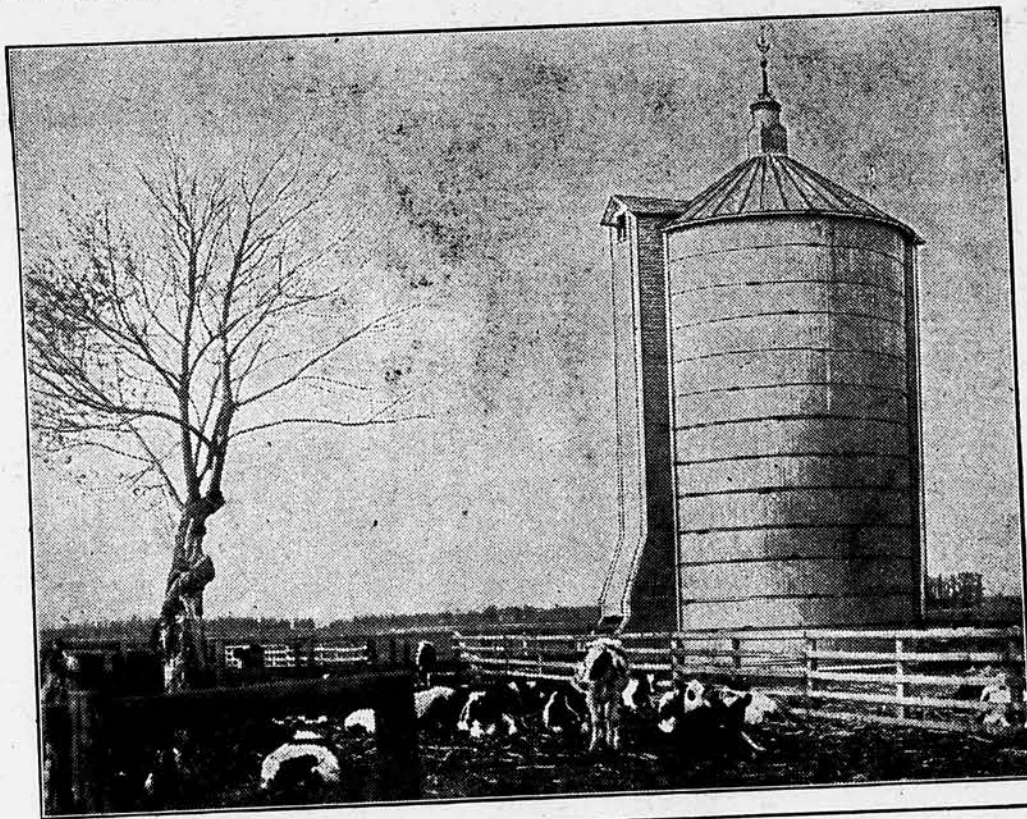
The size should depend on the number and kind of animals to be fed and the length of the feeding season. On some farms silage is used the year around, but more frequently it is fed 180 to 240 days. A silo, say 11 feet in diameter and 29 feet high will hold about 60 tons, and serve for feeding 12 to 15 cows 180 days, allowing 40 to 45 pounds per day per cow; for feeding the same number of animals for 240 days the diameter should be the same, with the height extended 5 or 6 feet. It is not considered economical to erect a silo less than 10 feet in diameter, or for less than 10 cows. For 30 to 40 cows the diameter of the silo should be 16 to 18 feet and high in proportion to the feeding period. It has been a popular belief that it is inadvisable to build silos exceeding 20 feet in diameter, which would hold enough for 50 cows, for 180 to 240 days, according to height. Where more silage is required, it is deemed best to have two smaller rather than an extra large one, and for the ordinary dairyman this is doubtless best. But, with developments following the beef-maker, where a considerable number of animals are fed, silos of larger dimensions have been built and found satisfactory. It is decidedly preferable to build with smaller diameter and added height rather than lower and broader. Silage to be best must be firmly packed. The desired pressure for the best keeping of silage is not had unless the silo is of considerable height.

An Ohio beef-maker reports that he annually utilizes 400 to 500 acres of corn in silos, of 300 to 2,000 tons' capacity, built of reinforced concrete at a cost ranging downward from \$1 per ton capacity to 50 cents per ton. In this case gravel was plentiful

and convenient, which lessened the expense, of course. The earth serves as the bottom of these and they are not roofed. This gentleman's observation, after ten years' experience, is that gains from a ration including all the corn silage the cattle would consume, along with clover or alfalfa hay and a small quantity of cottonseed meal, are as rapid and economical in beef-making as by any other method, and, based on 60-bushel per acre corn at 40 cents a bushel, the net saving per acre is \$12 to \$15 over the old way of handling the corn crop. A 50-bushel corn crop is counted to provide 8 tons of silage per acre.

The prudent farmer should seriously consider the silo and its possibilities.

F. D. Coburn



The spread of the silage-using habit has already largely profited the dairy industry and many see for it a bright future in beef-making and especially where lands are dearest, which appears all the more significant in light of the present shortage of cattle.

formation about the cost of the various makes and the details of their construction. Stave silos have been more common in the past, but the scarcity and high prices of good lumber make the consideration of other materials advisable. In the long run, too, it would doubtless be economical to use something more substantial and durable. Reinforced concrete has been found satisfactory, is fire-proof and lasting, and likely is destined to become quite popular. Silos of hollow, clay blocks possess the same virtues, and it has been claimed that the first cost of either may be even less than wood, and the expense of upkeep is of course less.

It is interesting to note that the pit silo is more or less extensively used in portions of western Kansas. About Liberal, in Seward county, there are, for instance, a half dozen or so of this kind, filled principally with Kafir. They are made by excavating in the ground, and lining the bottoms and sides with

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40 cents per agate line. 104,000 circulation guaranteed.

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Entered as second-class matter Feb. 16, 1906, at the postoffice at Topeka, Kansas, under the act of Congress of Mar. 3, 1879.

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WE GUARANTEE that every advertiser in this issue is reliable. Should any advertiser herein deal dishonestly with any subscriber, we will make good the amount of your loss, provided such transaction occurs within one month from date of this issue, that it is reported to us within a week of its occurrence, and that we find the facts to be as stated. It is a condition of this contract that in writing to advertisers you state: "I saw your advertisement in Farmers Mail and Breeze."

SPECIAL NOTICE TO ADVERTISERS.

Changes in advertisements or orders to discontinue advertisements must reach us not later than Saturday morning, one week in advance of the date of publication. We begin to make up the paper on Saturday. An ad cannot be stopped or changed after it is inserted in a page and the page has been electrotyped. New advertisements can be accepted any time Monday. The earlier orders and advertising copy are in our hands the better service we can give the advertiser.

**PASSING
COMMENT**
by
T. A. McNeal**MANY MEN OF MANY MINDS.** Some weeks ago I gave some figures showing what would be each individual's share of the whole product of the farms, mines and manufacturing establishments of the United States if it were possible to divide it equally among all of the inhabitants of the country.

The figures showed that each individual resident last year would have received \$281.12 and that each family of five persons would have received \$1,405.60. I simply remarked in this connection that this would not be a princely income and in effect that it would not enable the members of the family to splurge around a great deal, although they would of course enjoy a larger income than the average family at present. I did not consider the matter one of very much importance when I wrote it and do not now, for the reason that there are exceedingly few people now who contend that an equal per capita distribution of wealth in this country is now or ever will be possible.

Charles Myers, of Bronson, Kan., writes me an 11-page letter telling me that he disagrees with me, though I must confess after reading his letter that I am at something of a loss to know in what he disagrees with me. I was simply stating a few facts as I had gathered them from the statistics and was not even arguing the question as to whether there ought to be an equal division or not.

I would be pleased to publish Mr. Myers's letter in full if space permitted, but the truth is that I have received this morning letters enough to fill about four pages of solid matter, to say nothing of the letters received during the other six days of the week and I have only two pages at my command. For this reason I have to omit a vast number of good things and only touch on a few of the letters received.

A. D. Robb writing from Nebo, Okla., also refers to the editorial concerning the distribution of the product of the farms, mines and factories and says that the editor's figures are all right so far as they go, but that they do not go far enough.

Mr. Robb's complaint is that an unconscionable profit is made out of the product after it leaves the hands of the producer and in this Mr. Robb may be right. He gives an instance of a cotton grower who received 13 cents per pound and that by the time the cotton reached the consumer it sold at 40 cents per pound.

Mr. Robb's letter is not entirely clear as to whether he means the price of the cotton as it finally turns out in the shape of cotton cloth, but I presume that is what he does mean. Neither am I sufficiently expert to determine what would be a fair measure of the cost of transporting the cotton grower's crop to market and putting it through the various operations necessary to turn it into cotton cloth. I have no doubt that there is too much cost accumulated between the producer and the consumer, which it is

hoped will finally be eliminated by an intelligent system of co-operation.

A. E. Starkey, of Beloit, writes that he is a Socialist because he believes that the wealth of the country is rapidly passing into the hands of a few. He declares that there are plenty of men in that, Mitchell county, who want to get onto farms and earn an honest living, but can't get a chance. He knocks on landlords.

C. S. Alvord, of West Plains, Mo., who I take it is a member of the Grand Army of the Republic, writes in a rather pessimistic vein. He has seen an editorial in the moral and agricultural guide to the effect that the world is growing better. He does not believe that it is. Incidentally I observe that he is the coroner of his county, which may possibly have something to do with his pessimistic frame of mind.

We are building more penitentiaries and jails, says Mr. Alvord, which is true, but it is also true that the whole theory of treating crime and criminals is being changed. The old infamous contract systems are going out of fashion. The inhuman punishments that used to be common to nearly all penitentiaries are now less frequent and will I hope soon be as unknown as the thumbcrew and the rack.

Our own Kansas penitentiary is a notable example of the merciful modern method. The convicts are treated with kindness and the warden is doing everything in his power to make it a real reformatory institution which will turn the convict out a better man morally and physically at the end of his term than when he came there. This is not a solitary instance. There are other prisons that are conducted on the same humane principle.

The old plan of dealing with crime was to punish the convict as much as possible for his infraction of the law. The new plan is to treat him as a man who may be there as the result of mental and moral disease that can be cured, or as one who is there on account of bad environments for which he was not entirely responsible.

Certainly the methods of dealing with criminals are vastly more humane and reasonable than they were even a generation ago. Instead of people growing more hard hearted than the people of the past, everything indicates to me that they are growing kinder and more reasonable.

A Woodman who has neglected to sign his name, writes from Liberal, Kan., complaining of the new plan in the Woodman order. He has been paying dues for 15 years. When he started in he was paying \$1.10 for each assessment and was promised that this was as high as his assessments would ever be. Then his assessments were raised to \$2, and now he will be called on under the new plan to pay \$6. He kicks and it is no particular wonder.

The mistake that was made by the organizers of the Woodman order, and many other orders founded on the cheap assessment plan, was that they promised to do what any reasonable man with the ability to add and multiply would know, if he took time to sit down and do some figuring, was not possible to be done.

Take the case of the subscriber who has been a member of the order for 15 years. If he had paid an assessment every month of the year for every year that he has been a member at the rate at which he started, his dues outside of camp dues would have amounted to \$13.20 per annum. If his camp dues were \$3.50 per annum that would be \$52 more, or a total of \$250.

He has been insured during that time for \$2000. He is evidently now getting up toward the 60 year line and in the nature of things cannot expect to live more than 15 years longer.

If he should live out his full expectancy at the rate he was paying, his total payments, lodge dues, and assessments would have amounted to only \$500 and at his death his beneficiaries would draw \$2000.

Now the Woodman order has not been an investment society. It has earned nothing worth mentioning in the way of interest except some little interest on balances from month to month. As less than \$400 of his payments would have gone to pay death losses and his beneficiaries would have drawn \$2000 it is perfectly evident that they would draw out \$1600 more than he contributed.

Now there is only one way in which it is possible

COBURN ON THE SILO

In this number of Farmers Mail and Breeze appears the first of three articles on the silo written expressly for its columns by F. D. Coburn. These articles are to appear at fortnightly intervals. The topic this week is "The Silo's Important Mission in Kansas." The title of the article to follow will be "About the Silo and Its Filling." The third article will take up "Silage Feeding and Its Advantages."

These articles will epitomize in a most readable and interesting way all the important facts obtainable on the subject of the silo, especially with reference to their bearing on Kansas needs and Kansas conditions. They are just what the inexperienced man who is considering the silo proposition needs to know in order to avoid loss of time and expensive mistakes.

The silo is one of the greatest aids to profit and progress in agriculture that has ever come to Kansas and these articles by Kansas' agricultural prophet are an important and timely contribution on the topic of greatest interest at this moment before the farmers of Kansas.

for an order to do that. If there are five new members joining the order for every one that dies it is possible to do it, or it is possible to do that while the membership is composed of comparatively young and healthy men.

The Woodman order has had a phenomenal growth. A great many more men have joined than have died. For many years no man has been permitted to join who was over 45 and those who did join were picked men who were able to stand a rigid medical examination. As a result the death rate has been very low. This coupled with the fact that vast numbers of new members have been taken in every year enabled the order to go on paying beneficiaries from five to 10 times as much at the death of a member as he had paid into the order.

But no matter how strong and healthy a man may be, sooner or later he must die. Furthermore, the time must necessarily come when the tremendous growth of the past few years can no longer be expected. The order could have gone on for a year or two or maybe three or four years longer without raising rates, but the raise was inevitable finally or else the order would have become bankrupt. It is preposterous to suppose that an order can go on indefinitely paying its members or their beneficiaries \$4 or \$5 for every \$1 the members paid into the order.

I have been a member of the Woodman order myself for 15 years. I started in paying \$1.10 for each assessment, but I never labored under any delusion about the final outcome. If the person who induced me to join had promised me that my assessments would never be raised, no matter how long I might live I would have known that he either did not know what he was talking about or that he was a deliberate liar. Men may make promises that they cannot fulfill, but the multiplication table has never told a lie yet. Furthermore, the policy that was issued to me made no such promise.

The subscriber complains that the head men of the Woodman order are drawing too large salaries and drawing too much money for expense accounts. That may be true and if so their salaries ought to be reduced and the expense accounts trimmed, but if they had all donated their services and put in no bills for expense accounts the raise in rates would still have been inevitable. Granting that the salaries of the officers of the head camp have been extravagant, still the total of their salaries and expenses will not amount to 10 cents per member per annum.

OBJECTS TO SUPREME COURT ROBES.

A Clay Center subscriber asks, "Will you not in the near future in your 'Comments' in Mail and Breeze tell why the judges of the supreme court of the United States while court is in session, robe like Roman priests in white, and wear skull caps? Is it because these judges think they are immaculate and infallible? It seems to me that this robing in white of a fallible poor worm of the dust is hypocrisy, is Romish and un-American."

I presume this custom was borrowed from the English court where the judges have worn judicial robes from time immemorial. The whole thing is part of a plan to impress the onlooker with the majesty and wisdom of the court.

The subscriber is also probably correct in supposing that the judicial robes are of clerical origin, as formerly the church ran practically the whole court business. I do not think however that these robes really sever much congealed moisture with anybody at the present time unless it is the judges themselves. The people have come to understand that judges are made up of the same kind of mud as the rest of mankind and draping their forms in robes and surmounting their heads with skull caps doesn't change their characters or greatly impress the people.

A SIMPLIFIED GOVERNMENT.

I am pleased to state that a large number of readers of the Mail and Breeze have written me expressing their approval of the plan for a simplified form of government, suggested in the issue of three weeks ago.

Our government is one of law. We have no titular sovereign. The people are supposed to each surrender a part of what may be termed natural privileges for the good of the whole. Popular government means that the people voluntarily set up for themselves a standard called the law of the land, to which they agree to yield obedience. Ignorance of this law excuses no one, which implies that every one is supposed to know what the law is that he is asked to obey.

It is manifestly unjust to ask a man to obey a law which he is incapable of understanding. A man who would require his horse to do something which is entirely beyond the capacity of the horse to understand and then punish the horse because it does not do the thing it is commanded to do would or should be arrested for cruelty to animals. Certainly a man should be treated with as much consideration as a horse.

As the people are supposed to make their laws through their representatives, and as they are supposed to understand and obey the laws after they are made, it is only reasonable that all the people should be given an opportunity to examine a proposed law before it becomes binding upon them.

A law in a democracy is a sort of mutual contract. In business an individual is not expected to sub-

scribe to the terms of a contract without at least having an opportunity to examine the contract itself. It does not follow of course that no citizen is bound to obey a law which he does not approve of for this is a government in which the majority should rule and the minority should submit to the will of the majority, but no law should be enacted unless its provisions are so plain that they can be understood by the average citizen.

If this is true then only so many laws should be proposed by the legislative body as could be understood and digested by the people who are required to obey them after they are placed on the statute book and they should not become operative until the people have had the opportunity to examine them and a majority of the people have approved of them.

If we had a single legislative body in the state composed of not more than 30 men and the number of laws that they could submit to the people for ratification or rejection at any one session limited to say 50, the result would be this: The bills passed by this limited legislative body would be much better digested and more carefully considered in the first place than the laws that are passed by the legislatures under the present system.

By the time this limited number of proposed laws were discussed by the people during the several months that would elapse between the time of their passage by the legislature and the date of the election a considerable per cent of them would undoubtedly be rejected by a majority of the people.

Now the majority might and probably would make some mistakes. They would perhaps approve some measures that ought to be rejected and defeat some measures that ought to be approved, but on the whole the laws approved would be satisfactory and wise. I would not, however, be favorable to the limited single legislative body without the referendum for the reason that it would be too great a concentration of power in the hands of a few.

I am in favor of adopting the same principle in regard to national legislation provided that a workable plan for a referendum can be devised. I would abolish one house of congress, call the single house the house of representatives and limit its numbers to not more than two or three representatives from each state, provided however, as I have said, that some plan of referendum that is workable can be adopted. I would not be in favor of giving this single house of congress unlimited power to enact laws without giving the people an opportunity to check up the acts of the legislative body.

Our nation is so immense, its interests so vast and diversified that I can see great difficulties in the way of a referendum that applies to the whole country. I do not say that a feasible plan cannot be adopted, but I do regard it as difficult. In the states however there need be no such difficulty.

I regard the simplification of government as a necessary prelude to other reforms necessary to bring about more just and equitable conditions.

E. P. Snyder, writing from Huron, O., concerning a parcels post law, says:

Last spring I had occasion to send a package of strawberry plants to a friend living a few miles out from Dodge City, Kan. I could have sent them cheaper by express, but because they would be delivered by rural free delivery at the house I sent them by mail.

By our present impractical parcels post system 4 pounds is the limit. I wanted to get as near to the weight limit as I could, and when the postmaster weighed it he said I had it a little strong. I had to undo the package and take out three plants to bring the weight down to exactly 4 pounds. The postage was 64 cents.

Last Christmas a man living at Barnard, Kan., received from a friend living in England a plum pudding. It was sent by mail and the postage was 50 cents. The government carried this package weighing 7 pounds 5,000 miles for 14 cents less than it carried a 4-pound package for me only 1,000 miles.

Why in the name of patriotism and common sense should the government thus discriminate in favor of one of King George's subjects and against a free born American citizen?

Ever since the inauguration of the parcels post system in Great Britain it has been a great convenience and saving to the people and a source of profit to the government. This is abundantly proven by the fact that since 1883, when the system was first put in operation, the weight limit has been increased from 7 to 11 pounds and the rates greatly reduced.

The rates are now 6 cents for one pound, 8 cents for two pounds, 10 cents for three, 12 cents for five pounds, 14 cents for seven pounds and 2 cents for each additional pound up to 11 pounds, so that for 22 cents an 11-pound package can be sent from one end of the kingdom to the other. Besides this, they have rates with their most distant colonies by which an 11-pound package reaches them for 75 cents.

All these European countries have a parcels post system that is found to be of great service in bringing the producer and consumer nearer together. By its means the products of the farm are regularly sent, in small parcels, to the consumers, cutting out one or more commissions, and the frequent deliveries insure the fresh, sound condition of the goods.

I want to urge simultaneous action by all farmers in writing their congressmen, on March 18, demanding the enactment of a law giving us a parcels post law similar to those of other civilized nations that have proven so beneficial.

Petitions by organizations of farmers are well enough, but they lack the force of personal letters. I know many farmers have an idea no attention would be paid to their letters. It is a mistake. I know our congressmen are anxious to get the views of their constituents. I have written them many letters and never but once failed to get a prompt and courteous reply.

These letters should be brief as possible. Congressmen are busy men. They don't want arguments to any great extent, but they do need to know the opinions of their constituents. I believe that letters in sufficient numbers from farmers

would insure the enactment of a parcels post law at this session of congress.

I would urge farmer readers of the Farmers Mail and Breeze to write to their congressmen on March 18. This is the day set all over the eastern part of the United States for this work.

Personal letters in great numbers received simultaneously from all over the country would have great weight. I believe it would secure the passage of a parcels post law more nearly in accord with that of the other civilized nations than our present useless system.

It is well known that there is just one thing that has prevented the enactment of a parcels post law before this and that is the fear of the retail merchants that it would enable the big mail order houses to put them out of business. Personally I do not believe their fear is well founded. The argument presented by Mr. Snyder seems almost unanswerable. Why should our postal laws discriminate against our own people and in favor of the residents of foreign countries?

INDEPENDENT HARVESTER COMPANY.

In the editorial concerning the Independent Harvester company which appeared three weeks ago, it was stated that the holders of the preferred machinery discount stock, such as is being sold to the farmers would pay a dividend when earned of 7 per cent per annum. The inference was that this would be the limit of the dividend.

This I am informed is an error. This stock will participate in whatever dividends are earned, just as common stock. The reason I fell into this error was because it was called preferred stock. Generally the dividends on preferred stock are limited. The preferred stock of a corporation speaking generally, is this: It gets its dividends first up to a certain amount but after that amount has been paid the rest of the net earnings go to pay dividends on the common stock.

So it happens frequently that common stock sells for more in the market than preferred stock, while on the other hand preferred stock is not so likely to fluctuate in price as common.

In the case of the Independent Harvester company the stock mentioned while called preferred stock is like the ordinary common stock in that it will participate in whatever dividends are paid by the company.

A DEFENSE OF THE U. S. NAVY.

W. H. Sees, an ex-member of the United States navy, now living at Bird City, Kan., writes a strong letter of defense of the United States navy in answer to one that appeared a few weeks ago in the Mail and Breeze, written by Mr. Walker, also an ex-member of the navy.

Mr. Sees says in part quoting from Mr. Walker's letter:

In regard to the statement of Mr. Walker's that "Every ship is supplied with enough hand-cuffs and leg-irons to furnish enough jewelry for the entire crew," I will venture to say that there are not over a dozen pairs of hand-cuffs or leg-irons on a ship in the navy. I say this through my experience in the naval service (and my observations); also that I never saw a pair of irons used on a blue-jacket while in the service.

I don't believe that a better class of physically developed, or mentally developed men live than those of the military service.

I am not saying that the service men are angels, but I think they ought to have their just dues. You cannot find the amount of vice in the military service that you can in civilian life. To every sailor that you find in a saloon or house of ill-fame I will show you 10 civilians in the same place, and you will not find one man out of a possible hundred who is drunk when the 100 men return from liberty.

When a ship is at anchor, religious meetings are held two or more times a week and it is no small number of the men who attend these meetings. There are many civilians who visit the ships and they most always have a good word for the sailor and say, "My, what a fine class of men." They are shown as much respect as they are shown in their own homes. You never hear of a sailor insulting a civilian aboard or ashore unless the civilian gets insulting himself, and no honorable man would stand and be insulted. Therefore I say that a sailor has more honor and self respect, more respect for his mother and other relatives than the average civilian has.

A blue-jacket seldom escapes punishment for his petty offenses. They are very seldom punished severely, as they never commit any very serious crimes, not 1 per cent of the crimes that are committed in the civilian world. Also a record is kept which is sent to Washington, D. C., and filed for future reference.

As near as I remember, about 65 per cent (yes, 65 per cent) of the men re-enlist not because they are "broke," but because they like the service. Promotions are made according to the ability of the man who wants promotion and he is given an examination (not always direct) in his particular line of duty. If found qualified he is promoted, but in all cases of promotion he is recommended to the bureau of navigation for the said promotion, and if the bureau of navigation thinks that his record warrants promotion, he is promoted.

Also when an enlisted man is tried by a court-martial, he gets the benefit of all doubts of his innocence and if his case is doubtful he is cleared of the court-martial charge against him.

The enlisted man gets his medical attendance free and when sick he is put under most efficient doctors. He gets the best physical training which is something he never regrets. He gets also a good mental training which prepares him for business and makes him an accurate and good thinker and he gets quite a good supply of common sense, of which 50 per cent of the civilians are minus.

He is also trained morally, and I will say that 80 per cent of the ex-service men are very, very good morally and have better morals than the average civilian. And last but not least, the enlisted man gets paid for the time that he is enlisted.

I have served in the United States navy and I am proud of it, as any young man should be, and I would be there today if it were not for certain ex-

isting circumstances. I am not a deserter, for I have an honorable discharge.

If you ever get the chance, go to Washington, D. C., and inspect some of the records of the enlisted men. I don't ask you to take my word for the above argument for the service, but ask you to investigate everything that I have said. See for yourself.

IN FAVOR OF A SIMPLIFIED GOVERNMENT.

The following letter has just been received by me:

Editor Mail and Breeze—I have just been reading your editorial, "Simplify the Government," and I heartily agree with you. And more than that, I think the people ought to have the power to take any man, as the saying is, by the back of the neck and set him aside. Teach them that when we elect them on their promise to cut expenses not to introduce bills to heap up expenses as Murdock and Neeley are doing.

No doubt Neeley got many votes from old soldiers on the promise that he would do all he could to get them a pension of \$1 per day. What is he doing? Working for votes for re-election. As for me, away with such men or any such a set of men. I am a voter from General Grant's first term.

Kinsley, Kan.

JESSE EVANS.

I hope that what I said about voting money out of the treasury will not be taken as a personal attack on George Neeley, whom I do not know personally, or on Victor Murdock, whom I have known a long time and whom I like immensely, but on the system, or practice, rather, that has been so prevalent in congress from time immemorial.

These young men are doing precisely what other congressmen have been doing time out of mind. And the people are, in a large measure, to blame for this sort of thing. They are apt to measure the usefulness of a congressman by the amount of money he can get appropriated for his district, whether it is a useful and necessary appropriation or not.

I remember a good many years ago that a Kansas congressman got an appropriation of \$40,000 to improve the Arkansas river. Now there is no doubt that the Arkansas river needs improvement. It lacks as much of being what I would call a first-class river as any stream I ever saw, but the congressman who secured that appropriation knew, as did every man who had ever seen the Arkansas river, that the \$40,000 appropriated was just that much money wasted. It was utterly impossible to make the Arkansas river in Kansas navigable for any considerable distance for catfish, let alone boats that could transport freight.

He simply went into a general combine to get money out of the treasury. The leaders of the grab needed his vote and they gave him that \$40,000 sop to shut his mouth and secure his vote for the general appropriation. And he really thought that he was entitled to credit because he hadn't let the other fellows steal it all.

The false notion seems to prevail that money taken from the public treasury doesn't cost anybody anything. It just happens to be there and the congressman who can grab the most of it for his district is the man most worthy of honor in the opinion of a good many people.

I am glad that Mr. Evans is favorable to the plan of simplifying the government. The more simple our government can be made, the more easily it can be understood by the people, the better it will be for them. We have too many laws; too many officials drawing salaries; too many courts; too many lawyers; too much and too complicated machinery of government.

Respect For an Official Oath

If I am chosen governor, I will take the oath prescribed by law which all men elected to that exalted office have taken, and solemnly swear before Almighty God, that I will support the Constitution of the United States, and the Constitution of the State of Kansas, and do my duty as its chief executive. This implies among other things, and the most important of all,—the enforcement of the law—not ONE law but ALL the laws—as well as makes imperative the administration of state affairs solely, entirely and conscientiously in the best interests of the Kansas people.

To fulfill this latter obligation, in my opinion, requires much, but chiefly an earnest, untiring, unremitting effort on my part to reach a less cumbersome, expensive and wasteful, and a more directly effective and efficient form of government, such as the Kansas people in their wisdom and strong commonsense are striving for, with which striving I am in full sympathy.

I will take this oath believing it means just what it says, and fully intending, God helping me, to obey it to the letter.

As the governor and the servant of the people, I will not only enforce the prohibitory law, but all other laws,—from Nebraska to Oklahoma and from Kansas City to the Colorado line.

If you want that kind of a man for governor, I shall welcome your support.

Governments are ideal just to the degree that their laws are sane and just, revered, respected and obeyed. Let us hold the light of obedience to law so high that all the world can see it, and in the future, as in former times let Kansas stand as the highest example of statehood and good citizenship.

Arthur Capper

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JAYHAWKER FARM DOIN'S

BY H. C. HATCH, GRIDLEY, KANSAS.

We like to get the experiences, views and opinions of "our folks" on any farm or livestock subject particularly if reasonable and likely to help some of us who may need the information. Your letters are always welcome. Subscriptions to Farmers Mail and Breeze or other good publications for best letters received. Address Editor Farmers Mail and Breeze, Topeka, Kan.

Newspapers have quit saying "farmers are jubilant" after every snow. There can be such a condition as too much of a good thing. Farmers would be "jubilant" now if they could get at oat sowing soon.

We also notice the papers have the habit of saying each snow is a million dollar snow. We don't know who sets the value on each storm but we do know of a few farmers who would like to cash in for their share of the last million dollars.

We noticed an article the other day advocating the taxing of the farm dog. Someone certainly is looking for trouble. We had thought the political situation furnished excitement enough for most anyone but it seems that is too tame for a few.

In town, where all dogs are taxed, the penalty for non-payment is the death of the dog. Can you imagine a man brave enough to make the rounds of the countryside killing off the dogs on which taxes have not been paid? The men who faced the British troops at Concord certainly had nerve but even that nerve would not suffice for the job of farm-dog killer.

We know it is fashionable to plead for the killing of the cur, but who is to decide what is a cur and what an aristocrat in the dog family? It is also common to call the farm dog a sheep killer but we have yet to hear of a case in Kansas in which a dog killed sheep and there are quite a few sheep in this neighborhood, too. When the state gets down to taxing our dogs and cats, look out for a revolution.

We have received a letter from a Kingfisher, Okla., reader inclosing a sample of cowpeas which he recently bought and asking what variety they are. We must confess we do not know. We are not familiar with southern varieties and can only say that his sample is neither Whippoorwill nor New Era. They are a creamy white pea and have more of the real pea shape than New Era. We suggest that our inquirer send a sample to his state Experiment station at Stillwater, Okla. They can probably tell him the variety.

Another reader asks how it would do to sow about half a bushel of oats to the acre along with the cowpeas, the idea being that the oats would help cure the hay. We fear it would not be a success. It is entirely too late to sow oats at the proper time for cowpea planting and it is not likely the oats would amount to anything. We know of nothing that could be sown with peas that would cure out much quicker than the peas alone. Kafir and peas sown side by side cured out together last fall so Kafir would not help.

It is generally thought that oats will not be a good crop if sown on land that has grown Kafir corn the preceding year. This is usually the case but not always. In 1906 we sowed part of our oats on fall plowing and part on disked Kafir stubble, the sowing being done with a press drill, the two lots lying side by side. Those on plowed ground grew away from the others at the start, but in the wind-up the oats on the disked Kafir stubble made about 10 bushels more per acre.

Why was this? Simply because the oats on the Kafir stubble were later and found a better filling time than those which headed out earlier. In an ordinary season the oats on the plowed land would have been the best by far. This is just an illustration that no hard and fast rules may be laid down in farming. What works best one year may not be the thing the next; we have to guess at the matter as best we can and let it go at that.

We don't want to tire you on the cowpea question, but would just like to say

that we have a neighbor who has raised cowpeas for years in Missouri and he says that he will give any man the use of land on his farm, rent free, if he will only use it to raise cowpeas. We should call this a pretty good recommendation for the crop. It seems to be as good for the soil as it is to feed stock. To precede corn or alfalfa we know of nothing better.

Hay is getting scarce and we have an idea that many horses will eat more grass this spring than they have for years. The hay crop was fair in this section last year, but the high price has resulted in much m being shipped out. In driving over the country you don't see the cattle racks filled up with good hay as you used to a few years ago. Then good hay could be bought for \$2 per ton in the stack, while now it is in no case lower than \$6, and this at some distance from the railroad. It will no longer pay to feed prairie hay to cattle.

What to use as a substitute for hay in feeding horses is a question that will interest many if the coming spring should give promise of another short hay crop. To our mind the best thing to do will be to sow Kafir corn thickly. The sowing should be put off until the first of July in southern Kansas and it should not be sown earlier than June 15 in northern Kansas or southern Nebraska. If sown earlier it grows too coarse and gets too woody for horses. It should be sown so that cutting time will not come until rather late in the fall. If it is cut too early hot weather and rains together will damage it, especially for horse feed.

We do not think too much coarse fodder is good for horses and hardly think corn fodder just the feed for them. Of all the coarse feeds, Kafir seems best adapted to horses and if it is sown thickly and rather late it will make a feed that we do not think will injure any horse. When the time arrives to sow it—from the middle of June to the first of July—we shall know what to expect from the native hay crop and may govern ourselves accordingly. If May is rather a dry month we may look for another short hay crop. As we have said, we think Kafir fodder better than corn for it does not contain any worm dust. Corn fodder has been responsible for the deaths of thousands of horses this winter in Oklahoma, Kansas and Nebraska, central Nebraska suffering heavy loss. This loss would not have occurred had the horses been fed on Kafir hay instead of corn fodder. The finer the hay, the better, for coarse heavy stalks are not good for horses.

Grain sowing time will soon be here, whether the ground is ready to sow or not. One of the early spring grain crops in this part of the state is flax, but it is not likely a very large acreage will be sown this year. This is due to scarcity of seed, for flax was hit the hardest last year of any of our crops. It filled—or tried to fill—right in the hottest weather of late June and early July and in consequence there were few fields in which more than 2 bushels per acre were harvested and this was not good seed. We wish to warn all Kansas farmers against sowing seed from the North; it might be all right to get seed from Nebraska if it was to be had, but let the Dakota seed alone. It has been tried in this section and while it grows all right it will die before it begins to bloom. If home grown flax seed cannot be had it will be better not to sow at all. Another thing: If the land is in good condition there need not be so much seed sown as is usually thought necessary. Twenty pounds of good seed will make stand enough on land in good condition if it is sown with a drill. It should be covered lightly, for flax does not want to go very deep in the ground.

Someone has to keep a light house, while others must herd sheep. Why are you kicking about your job?



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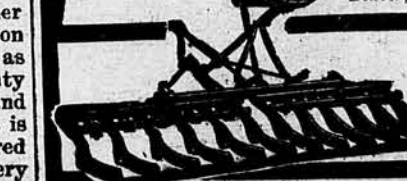
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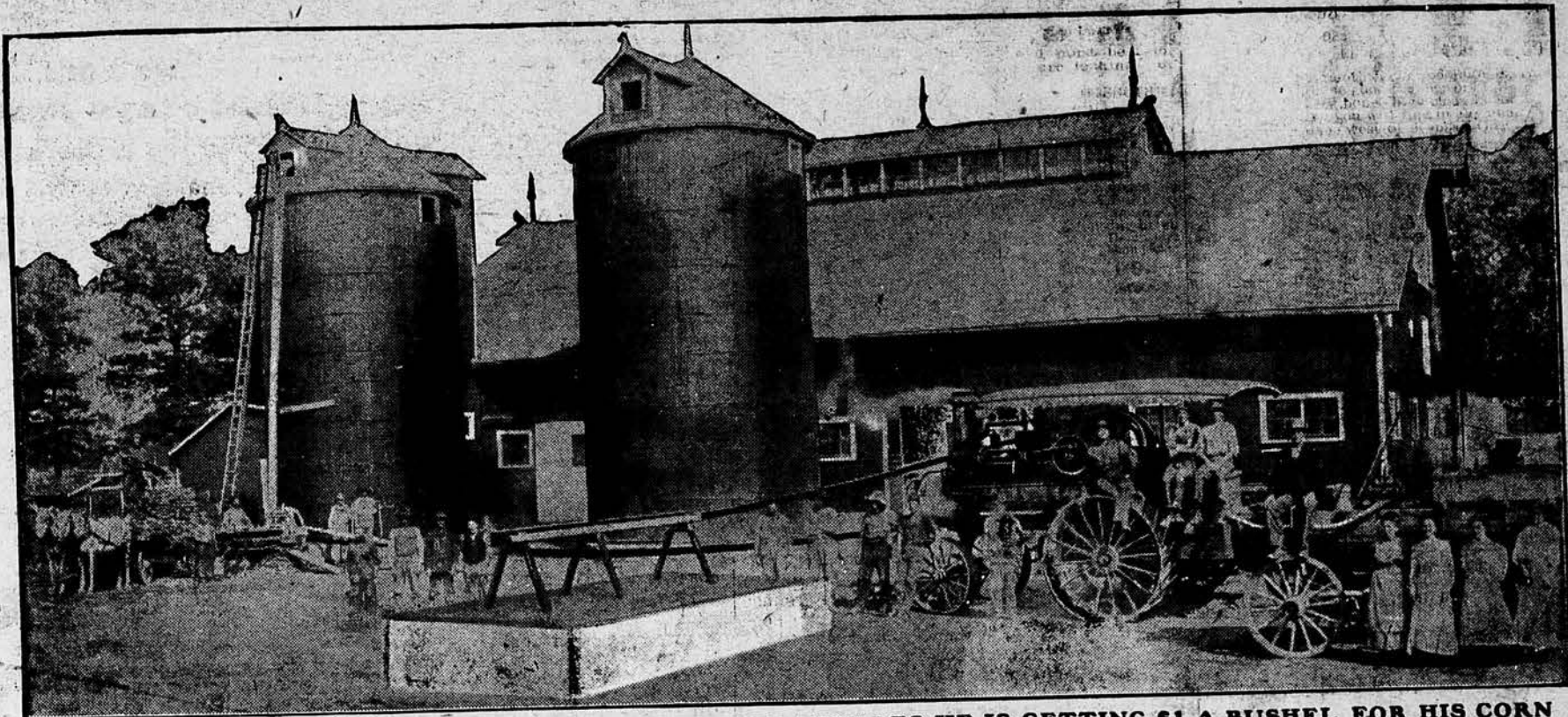
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The Silo As a Feed Maker

A Budget of Interesting Reports From Kansas Feedlots



IN THIS WAY ONE MAIL AND BREEZE CONTRIBUTOR FIGURES HE IS GETTING \$1 A BUSHEL FOR HIS CORN

THESE letters from Mail and Breeze readers and contributors tell the story. Times have changed. Land is high, feed is high, there is no range now, and we must use improved methods by having our crops when they are at their best. It doesn't pay to grow feed all summer and then work all winter to feed it, and get nothing for the feed or labor. Get a silo and can your corn when it is matured and get all of its feed value. Corn stalks canned at maturity will produce growth, fat, or milk equal to grass. The first cost of a silo looks high but when you consider what it does it is the cheapest and best improvement on the farm.

COMPOUNDING SILAGE RATIONS.

[Prize Letter.]

It takes about 12 acres of 30-bushel corn to fill a 100-ton silo. We have a stave 100-ton silo that cost us about \$235. It is built of one-piece fir and has a good foundation. The cost of filling it was as follows: Cutting corn with binder, \$10; hauling it to the silo, \$18; use of cutter, \$8; use of engine, \$15; fuel, \$3. Total, \$54.

Silage will take the place of roughness and grain. A 100-ton silo will feed about 75 head of cattle 100 days. For stock cattle and calves silage makes a good ration by itself. To our milk cows we feed 4 pounds each of corn chop and bran, 5 pounds of alfalfa hay and all the silage they will eat. This makes a good combination to produce milk. For beef 1 peck of corn, 2 pounds of cottonseed meal, 5 pounds of alfalfa hay, and 30 pounds of silage per day is a good ration.

In order to keep silage from one year to another put a small load of old hay on top of it when through feeding in the spring. In the fall when ready to fill the silo take off the hay and what silage is spilt on the surface and run the new silage in on top of the old.

Nortonville, Kan.

BEN SCHNEIDER.

SHORTENS THE FEEDING CHORE.

[Prize Letter.]

Mr. Editor—I was late in getting my silo last fall and when it was filled my corn was rather dry but it certainly has made fine feed. We have our feed troughs on the south side of a shed with a corn crib on the west which makes a sheltered place. My two boys attend school but they look after the feeding of 45 head of cattle and 25 horses, besides doing other work. They do the feeding in from 15 to 20 minutes. The cattle are coming 3-year-olds and we feed them 35 pounds of silage each per day in two feeds. They are wintering in fine shape. Feed is getting scarce in this locality and had I not put up this silo I would have had to feed about double the acreage of shock corn to obtain the same results. My only regret is that I haven't another silo full of feed. They are selling silage at from \$5 to \$6 per ton. My silo is one of the hinge door styles with full length staves. It is 16 by 30 feet in size.

R. 2, Admire, Kan.

W. A. MARSH.

GOOD WAGES FROM SIX COWS.

[Prize Letter.]

Mr. Editor—Last year I bought a 12 by 30-foot stave silo and began filling it the first part of Sep-

tember. It required 18 acres of corn to fill it and the rest of the field husked out 16 bushels per acre. The cost of filling was \$56.16 or 78 cents per ton of silage. Three weeks after filling I began feeding silage to 8 horses, 6 cows, 4 calves, 35 hogs. I have been feeding about 20 pounds of silage per horse per day and they are fat and doing well. They have the run of a stalk field with an open shed for shelter. I feed the silage outside in open troughs and every bit of it is cleaned up. The cows are eating about 35 to 40 pounds per day each and 2 pounds of cotton cake each in addition. At noon they have a feed of Kafir butts. Four of these cows have been giving milk since last fall and the other two are to freshen soon. Am selling about \$6 worth of cream each week and we have all the milk and butter wanted for family use besides. While butter fat was at its highest the cream averaged around \$10 per week. These cows are common, grade Shorthorns. The four calves eat about 80 pounds of silage per day in addition to a little clover hay and are doing fine. The shoats and brood sows receive corn and Kafir in addition to their allowance of silage. At this time (February 26), I have half of my silage left but have sold 15 tons of it at \$4.50 per ton which will net me \$17 per acre for the crop or \$1 per bushel for the corn in the silage. I don't believe these 18 acres of corn handled in the old way would have done as well.

R. C. NEWMAYER.

R. 3, Madison, Kan.

ADDING A LITTLE ALFALFA HELPS.

[Prize Letter.]

Mr. Editor—My experience has been that silage is not quite as good a milk producer when fed alone

as when fed alfalfa. My cows have come through the winter in better condition than ever before when fed exclusively on alfalfa. Silage can be put into a silo considerably cheaper ton for ton than alfalfa can be stored in a barn and as to silage and corn fodder out of the shock there is no comparison.

This winter has given us some idea how valuable a crop of green feed, stored away from storms and handy, may be. Silage will freeze at the edges when the weather is very cold, but this is not lost, for it may be thawed out easily. I have been feeding silage to both horses and mules all winter and they eat it readily. As I see it, silage is our only hope of wintering cattle here successfully. Stalk fields prove disastrous too often. Alfalfa may be grown readily but when it retails at from \$12 to \$15 per ton we cannot feed it and come out whole. I have seen the time here when it was too dry for alfalfa to grow, too dry for corn to make grain, but I have never known conditions to be such that crops could not be grown that would make good silage, on any farm.

Alden, Kan.

W. O. STEWART.

DRY FODDER MADE GOOD SILAGE.

[Prize Letter.]

Mr. Editor—I intend to put up a second silo for summer use as I believe silage makes a cheaper feed than pasture. I now have a stave silo but want to learn more about the concrete type before I build again. I should like to see letters from farmers who are using silos in summer where land is as high as \$75 per acre and where grass is as uncertain as it is here. Three acres of pasture are required for each head of stock and if silage will do as a summer feed it will mean smaller farms or more stock.

A silo can be filled at a cost of about 75 cents per ton. It is well to cut part of the corn the day before it is put in the silo, in fact if one field is ready to cut and another is not it is a good plan to cut the first and shock it up. When this dry fodder is put in the silo, wet the shocks first. Some of my fodder was cut at husking time and yet made silage good enough to sell at \$7 per ton. Such silage does not require dry roughness fed with it but where green corn is put into a silo it is best to feed millet, oat hay, or good straw in addition. I would not waste corn or Kafir fodder for this purpose as that should all go into the silo.

To fill a silo is the cheapest way a corn crop can be handled. It is not only harvested, but as good as husked, cribbed, shelled, and ground. Silage may be fed outside as well as any other feed although it is best to feed milk cows indoors no matter what the feed. I am feeding 33 pounds of silage per cow per day with a little bran added to those giving milk. I sprinkle the silage with brine as I feed it and it makes them eat it up cleaner and more of it. Cows should have salt when fed silage as much as when on grass. My calves at 2 weeks are eating silage and one 3 months old is eating nothing else. This calf is in good condition and weighs 250 pounds.

Some silage that I placed in sacks under a shed, six weeks ago has not deteriorated, but I put some in a barrel and pressed it down and it heated over night.

Osage City, Kan.

H. L. FERRIS.

(Continued on Page 13.)

BUILD A SILO

By Piers Plowman

If you want to save on feed, build a silo.
It will help in times of need, build a silo.
Build of concrete if you would.
Build of brick, or build of wood.
Build of anything that's good
But build a Silo.

Dairy feeds are soaring high, build a silo.
Summers seem agoing dry, build a silo.
Cows go dry too, fed on hay;
Sort of seem to fall away.
They need silage every day.
So, build a Silo.

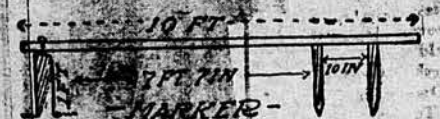
Pasturage costs quite a heap, build a silo.
Winter feeds are never cheap, build a silo.
Build it wide and build it deep,
'Cording to the cows you keep;
Then for milk you'll never weep.
So, build a Silo.

That's the burden of my song, build a silo.
If you've cows you can't go wrong, build a silo.
Milk will flow and smiles 'll come
With the separator's hum;
And you'll shout, I'm glad, by gum,
I built a Silo.

Setting Up a Stave Silo

BY J. W. DAWSON.

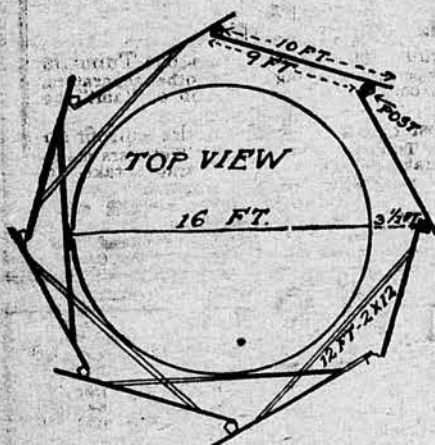
I want to tell you briefly how I go about it to put up a stave silo. We will suppose the silo is 16 by 30, which is about an average size. The first necessary step is to buy the silo. Set a 2 by 4 stake where you want the center of the silo to come. This stake should extend at least 1 foot above the ground.



Bore a hole a few inches from the end of a 10-foot 2 by 4 and drive a spike through it into the center of the stake. Measure from the spike out on the 2 by 4 7 feet 7 inches and nail on a marker.

Making the Concrete Foundation.

This marks the inside of the foundation. Nail on another marker 10 inches from this. It marks the outside of the foundation. Draw the circle and dig out



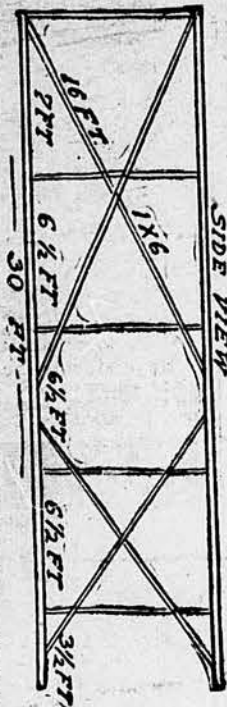
CONSTRUCTION OF SCAFFOLDING.

the dirt between the lines. This ditch should be 2 feet deep to get below frost and the sides and bottom should be cut smooth. Fill in with a concrete mixture made of 1 part cement, 3 parts sand and 6 parts broken rock. After this sets a little drive 2 by 4 stakes 2 inches from the foundation both inside and outside and 2 feet apart. Bend 1 by 6 boards around the inside of these stakes and nail them fast. It will be necessary to brace about every other one of these stakes. This form should be 1 foot high. Fill it in with concrete and give the top a

coat of one-half cement and one-half sand. It is important to get the top smooth and level. Before it gets too hard draw a line around the center of the wall by using the marker and a nail. Dig out the center to within about 6 inches of the bottom and give the bottom a 2-inch coat of concrete.

Posts for the Scaffolding.

I set the posts for the scaffold 3 feet from the center of the wall and 9 feet apart so it will take 8 posts. For this I use 16 2 by 4s 16 feet long and splice them. Then I nail a row of girths around 7 feet from the foundation, using 10 foot 1 by 6s put on as shown in the diagram. I brace between each two posts with 16-foot 1 by 6s crossed as shown in the diagram. The next three stages are 6 1/2 feet apart and another set of crossed braces are put on from the top down. I use four stages in all for a 30-foot silo. Then 12-foot 2 by 12 planks are laid across on the girths to walk on.



After the scaffold is up erect the door frame with the inside of the frame on the outside of the line on the foundation. Level it, plumb it and stay it firmly to place. Then start around with the staves, using the plumb as you go. When you get half way around start from the other side of the door frame and work around the other way so that the last stave will go in opposite the door. I tack on lath at the top and bottom of the staves as I go to hold the staves till I get around. I also stay the staves to each post of the scaffold. Put on the second hoop first, then the third. When all of the hoops are on and tightened up put on the anchors. Don't leave the silo till this is done even if it takes part of the night. A few hours spent anchoring the silo may save several days clearing away wreckage and putting up the silo again. Now the job is done except the roof. I leave this until the silo is filled, as it is much easier done then.

I prefer the wooden type of silo. Wood being a non-conductor of heat and cold, all parts of the silage, even to the very outside, reach the highest degree of temperature and therefore keep well.

Land Values and Production.

Mr. Editor—I think readers of Farmers Mail and Breeze will remember the recent argument between residents of Shawnee county and Gray county as to which was the better county of the two. According to Prof. Jardine's recent article it does not pay to raise corn on land worth \$61 per acre unless you raise considerably above 21 bushels per acre. Now land in Shawnee county is worth considerably more than \$61, while in western Kansas the average is about \$25. Unfortunately I do not have the crop statistics for later years but the average yield of corn for the two years, 1905 and 1906, was 23 bushels in Graham county, while during the same years the average was 33 1/2 bushels in Shawnee county. Taking into account the population of the two counties the per capita valuation of the corn crop for the two years mentioned was \$202.65 for Graham and \$31.24 for Shawnee county. We admit we are more likely to have failures here but we can have one failure in every three years and then have more than any county in the eastern part of the state. Prof. Jardine's article shows to all good financiers that land values in eastern Kansas are too high for what they will produce while western Kansas still promises good investments.

George Mayer.

Morland, Kan.

Convincing Argument—

A single dish of

Post Toasties

with Cream.

Delicious
Wholesome
Convenient

"The Memory Lingers"

Sold by Grocers.

Postum Cereal Co., Ltd.
Battle Creek, Mich.

\$27⁶⁵

THE ECONOMY CHIEF
The Closest Skimming
Cream Separator Ever Made



Actually Buys the Highest Grade, Closest Skimming Cream Separator

Ever Manufactured

Think of it! Only \$27.65, full and complete purchase price for the big **Economy Chief Cream Separator**, absolutely proven by expert tests and thousands of testimonials to be the **closest skimming** and **most durable** cream separator ever put on the market. This is our wonderful brand new 1912 model, equipped with our marvelous patented **purifying and aerating bowl** and the celebrated **double opposed disc system**. A regular \$70.00 big business cream separator for only \$27.65, and with a capacity of **300 pounds per hour**, and **absolutely guaranteed for twenty years**.

You Buy Direct From the Factory

at the secret of our amazingly low prices. No big agents' commissions for you to pay; no extra dealers' profits; no so called factory distributors' profits. You pay only the **rock bottom price**. We actually save you from \$40.00 to \$50.00 on any capacity machine you want. For instance, a 400 pounds per hour capacity separator for only \$34.90; a 600 pounds per hour capacity machine for only \$42.35. We fill your order direct from the largest and most completely equipped cream separator factory in the world.

You Can Buy on Sixty Days' Trial

We will positively ship you THE ECONOMY CHIEF CREAM SEPARATOR on SIXTY DAYS' TRIAL. We want you to give this separator sixty days' good hard test on your farm before you decide to keep it. Compare it with any and all of the overpriced machines you can find around. Try it on warm milk, cold milk, new, mixed or old milk; it makes no difference. Then, after two whole months' trial, if you are not **ABSOLUTELY CONVINCED** that THE ECONOMY CHIEF is the greatest cream separator you ever saw at any price, simply return it to us and it won't cost you a penny. We will even pay the freight charges both ways.

Old Separators Taken in Exchange

If you have an old cream separator of any make that is out of repair, hard to run or will not run at all, we will take it off your hands as part payment for a brand new 1912 model Economy Chief. Furthermore, we will make you a **good liberal and fair proposition**.

Send Today for Book No. 65M73 and Full Particulars of This Wonderful Bargain Offer.

Simply send your name and address today, at once, postal will do, and we will promptly send you the **Economy Chief Book No. 65M73** free and postpaid, explaining our great bargain offer in detail.

SEARS, ROEBUCK AND CO., CHICAGO, ILL.

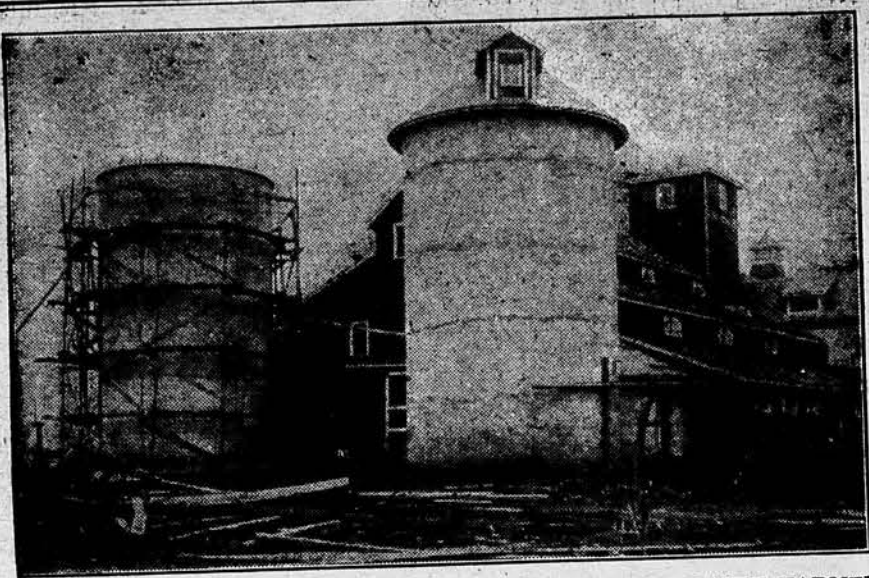
Churns Kept Sweet and Clean



There's nothing that will keep the churn so thoroughly clean, sweet, and sanitary as Old Dutch Cleanser. The fine particles cut away the grease and "butter-rims" instantly. Saves half the time and work.

Many other uses and full directions on large Sifter-Can 10c.

Old Dutch Cleanser



DAIRY BARN AND SILOS OF C. W. LOOMIS, A KANSAS DAIRY FARMER. The Loomis farm is near Tonganoxie, Leavenworth county. Both silos were built under direction of the Agricultural college, both are 19 by 34 feet. One was built in 1910, the other in 1911.

The Cow and the Silo

BY O. E. REED

Professor of Dairying Kansas Agricultural College

[Written for Farmers Mail and Breeze.]

There are many examples of what can be done in dairying in this state. The writer recently visited a farm owned by Mr. E. B. Merriam of Topeka, Kan. On this farm of 30 acres, 17 dairy cows are kept, and on this 30 acres is grown all the feed eaten by the cows. This is a very striking example of intensive farming. The ration fed is made up of alfalfa hay and silage. During the summer the cows are soiled on alfalfa. Soiling means cutting the green crops and feeding them fresh to the animals every day. The owner plans to build another silo and fill it for summer use instead of practicing the soiling system.

Less labor will be required in feeding the silage during the summer and larger yields of forage may be grown on the same acreage. At the State Agricultural college the dairy department pastures 70 head of cattle on 18 acres. This really means that there is no pasture allowed the cows as this amount of ground makes only a good exercise lot. The cows are fed the year round in the same manner—alfalfa hay, silage, and a grain ration which is fed in proportion to the amount of milk produced. The foregoing instances show that it is not necessary for a country to be a bluegrass or a pasture country in order to be a profitable dairy country.

FROM THE NORTH COUNTRY

Where the Winters are Cold and the Snows Deep.

Writing from the vicinity David Harum made famous, a man says that he was an habitual coffee drinker, and, although he knew it was doing him harm, was too obstinate to give it up, till all at once he went to pieces with nervousness and insomnia, loss of appetite, weakness, and a generally used-up feeling, which practically unfitted him for his arduous occupation, and kept him on a couch at home when his duty did not call him out.

"While in this condition Grape-Nuts food was suggested to me and I began to use it. Although it was in the middle of winter and the thermometer was often below zero, almost my entire living for about six weeks of severe exposure was on Grape-Nuts food with a little bread and butter and a cup of hot water, till I was wise enough to make Postum my table beverage.

"After the first two weeks I began to feel better and during the whole winter I never lost a trip on my mail route, frequently being on the road 7 or 8 hours at a time.

"The constant marvel to me was how a person could do the amount of work and endure the fatigue and hardship as I did, on so small an amount of food. But I found my new rations so perfectly satisfactory that I have continued them—using both Postum and Grape-Nuts at every meal, and often they comprise my entire meal.

"All my nervousness, irritability and insomnia have disappeared and healthy, natural sleep has come back to me. But what has been perhaps the greatest surprise to me is the fact that with the benefit to my general health has come a remarkable improvement in my eye-sight.

"If a good appetite, good digestion, good eye-sight, strong nerves and an active brain are to be desired, I can say from my own experience, use Grape-Nuts and Postum. Name given by Postum Co., Battle Creek, Mich.

Read the little book, "The Road to Wellville," in pkgs. "There's a reason." Ever read the above letter? A new one appears from time to time. They are genuine, true, and full of human interest.

More Cows Per Acre.

The importance of the silo on the dairy farm cannot be too strongly emphasized. It furnishes the best method possible for storing and feeding the corn crop and prevents the wasting of 40 per cent of the total crop grown. Why should the farmer put in his time planting and cultivating the crop and then waste nearly one half of the yield by poor practices in harvesting? When crops are put into the silo they furnish a green feed for the winter and this serves the same purpose as the grass does in the summer. In this way the farm animals can be furnished with the best of feed during the entire year. As stated above, silage will take the place of pasture during the dry summer or when the pastures are short. A cow usually eats from 30 to 40 pounds of this feed per day. Anyone who keeps as many as 8 to 10 cows cannot afford to be without a silo. Siloing such crops as corn, Kafir, milo, and cane means the keeping of more cows on the same acreage.

Why Dairying Increases.

Never before in the history of Kansas has there been as much interest taken in dairying as there is at present. The farmers everywhere are inquiring for dairy cattle and are seeking after knowledge of the dairy business. Silos are being built on every hand and the majority of them are being used on the dairy farms. There are two reasons, very natural they are, why the farmers of Kansas have become so interested in dairying. First, because of the steady increase in the price of milk and butter fat. Second, because of the failure of grain crops and no yields of grain on account of the rundown condition of the soil. Dairying, then, is attractive first on account of its profitability. The longer a person is engaged in dairying the more profitable it becomes, not alone because of the increase in the price of dairy products, but also on account of the increase in production brought about by the use of better cows. Kansas has a right to become one of the greatest dairy states in the Union. We have good markets for dairy products and have an abundance of milk-producing feeds.

(Continued on Page 10.)

THE WINNERS



Netherhall Brownie IX. World's Record Ayrshire Cow Her Owner Uses a Tubular



Dairymen making the most money realize that it pays them well to use only high producing cows and the highest producing cream separator. That is why Mr. J. W. Clise, successful business dairyman of Redmond, Wash., who owns Netherhall Brownie IX., the world's record Ayrshire cow shown above, uses and recommends the

SHARPLES

Tubular Cream Separator

Mr. Clise is but one of many who are equally businesslike and use Tubulars exclusively. Tubulars are prize winners. Have twice the skimming force of other separators. Skim faster and twice as clean. Dairy Tubulars contain no disks to chop or "taint" the cream or give it a metallic flavor.

By producing the best cream and the most cream, Tubulars make a profit no other separator gets. This extra profit is simply Tubular "velvet" which Tubulars make for other keen, businesslike farmers and will make for you. Other separators taken in part payment for Tubulars. Ask for free trial proposition.

Ask for catalog No. 156 and our book, "Business Dairying." Both FREE.

THE SHARPLES SEPARATOR CO. WEST CHESTER, PA. Chicago, Ill.; San Francisco, Cal.; Portland, Ore.; Dallas, Tex.; Toronto, Can.; Winnipeg, Can.

OIL - OIL - OIL

WHOLESALE PRICE TO CONSUMERS—Combining best quality with low price. NO WATER IN MY KEROSENE OR GASOLINE.

XXX 46 gravity water white kerosene.....	\$4.25 for 52 gal. bbl.
XX 42 gravity kerosene (the kind usually sold)	\$3.75 for 52 gal. bbl.
XXX 64 gravity gasoline.....	\$7.50 for 52 gal. bbl.
1 case graphite axle grease (2 doz. 3 pound pails)	\$3.50
40 gravity prime white stove distillate.....	\$3.25 for 52 gal. bbl.
38 gravity stove distillate.....	\$3.00 for 52 gal. bbl.
60 gallon (26 gauge) galvanized steel tank with pump and hood cover complete—a great convenience in every home.....	\$3.60
Extra heavy pure crude oil, steamed and settled, (black oil) good lubricant, just the thing for greasing tools.....	\$3.50 for 52 gal. bbl.
STANNARD'S PROCESSED CRUDE OIL, the best dip made for killing lice and curing mange. One application will do more to kill lice and cure mange than three applications of any other dip made (it destroys the nits).....	\$5.00 for 52 gal. bbl.
I also carry a full line of lubricating oils.	
I pay \$1.25 each for all barrels returned to me at refinery in good order, freight prepaid. Send the money with your order.	
C. A. STANNARD, BOX M, EMPORIA, KAN.	

THE UNITED STATES CREAM SEPARATOR

Won the Two Largest Prizes of 1911

At the California State Fair, the Interlocking U. S. Cream Separator was given the highest award over six competitors.

"The Best Cream Separator"

Sacramento, Cal., Dec. 1, 1911. Replying to yours of the 29th ult. will say that the Vermont Farm Machine Company was awarded the first prize on best cream separator at the recent State Fair, the second prize being awarded to the De Laval Dairy Supply Company. C. ALLISON TELFER.

The largest butter prize of the year

The \$500 Silver Cup

offered by the Northern Pacific R. R. was won by A. G. Scholes, Townsend, with creamery butter made from United States Separator cream.

These Are Not Unusual Performances

At the Alaska-Yukon-Pacific Exposition, the Interlocking United States Cream Separator won the

GRAND PRIZE

on the five points of Skimming, Construction, Sanitation, Installation and Power.

For ten years the U. S. Cream Separator has held the

World's Record

made in 50 consecutive runs at the Pan-American Exposition.

The United States Cream Separator is both the choice of the wealthy estate owner and of the practical dairyman.

Here are a few of its users:

Theodore N. Vall, Lyndon Center, Vt., owner of 3000-acre farm dairy. President American Bell Telephone Company. President Western Union Telegraph Company.

Helendale Farms, Athens, Wis., (use 4 U. S. Separators), world renowned Guernsey breeders. Owners of Yeksa Sunbeam.

W. J. Gillett, Rosendale, Wis., owner of Colantha 4th's Johanna, the World's Record Holstein.

F. H. Scribner & Son, Rosendale, Wis., famous Jersey breeders. Raisers of Loretta D.

IF YOU WANT QUALITY OF CREAM—plus cleanest skimming—the easiest cream separator to run and to wash—investigate our claims. We want to prove them at your convenience to your complete satisfaction. Prices for farm sizes \$25 to \$150, according to the guaranteed capacity.

Vermont Farm Machine Co., Bellows Falls, Vt.

Agents everywhere. Distributing warehouses in Portland, Me., Buffalo, N. Y., Toledo, Ohio, Chicago, Ill., Le Crosse, Wis., Minneapolis, Minn., Omaha, Neb., Kansas City, Mo., Houston, Tex., Helena, Mont., Salt Lake City, Utah, Oakland, Cal., Portland, Ore., Montreal, Que., Winnipeg, Man., Calgary, Alta.



The Cow and the Silo

(Continued from Page 9)

Alfalfa is grown in most parts of the state and as a dairy feed has never been surpassed.

Our Great Lack—The Remedy.

The greatest drawback is the lack of good cows. The only remedy for this condition is the raising of better animals. Profitable dairying means good cows well fed. Many farmers are hooked up with the wrong kind of cows—cows that are not paying for their feed. The most noted dairy states of today have passed through the stage of poor cows, but by their persistent efforts large herds of profitable animals have been built up. The profitability of a dairy does not always mean selling the product for high prices, but it must take into account the economy of production as well. Some cows would not pay for their feed and make a profit, if the price of dairy products were double the present prices.

Dairying is attracting attention and should be given more consideration, because it means better crops. The greatest advantage in dairy farming is

of the fertility of the entire crop is sold, while the greater part of the fertilizing elements are returned to the soil in the form of barnyard manure. The fertilizing value of our common grains as compared with the fertilizing value of the products of the dairy farm figured at prices of commercial fertilizer, shows less decrease in fertility by dairy farming. The following table gives the value of fertilizer constituents in common farm products:

FERTILIZER CONSTITUENTS.

1 ton of butter contains 64 cents' worth.
1 ton of milk contains \$2.56 worth.
1 ton of wheat contains \$9.59 worth.
1 ton of oats contains \$9.97 worth.
1 ton of corn contains \$3.60 worth.
1 ton of clover hay contains \$11.38 worth.
1 ton of alfalfa contains \$11.39 worth.

Fattening Farms With Our Hay.

In some of the eastern states the land became so unproductive as a result of grain farming that the farmers left their farms and came west in search of new soils. During the more recent years

Kansas, says Prof. Reed, is nearing the dairy stage of its farming; existence and is to become one of the great dairy states. The cow and the silo are the inevitable outcome of high-priced land and a declining fertility. Our greatest drawback just now, he says, is lack of good cows.—Editor's Note.

its relation to the fertility of the soil. No other system of farming excels dairying in this respect and few equal it. A farm used for dairy purposes does not lose its fertility, but gains, and may be used for this purpose almost indefinitely.

Kansas Nears the Dairy Age.

The first method of farming usually practiced in a newly settled country is grain farming, and this is continued until the land becomes high priced and the fertility of the soil is decreased. These conditions make way for dairying, and as a method of farming, dairying is not usually practiced in any state or country until such conditions do exist. In grain farming the land is cropped year after year and these crops sold off the land. In livestock or dairy farming these crops are harvested and fed to the animals and returns are obtained by selling the animals or their products. Selling grain is selling soil fertility, and no soil can grow grain year after year without sooner or later reaching the point where this exhaustion is felt. When soil fertility is sold off the farm it will have to be purchased again in the future either through feeding stuffs or as a commercial fertilizer.

Losses of Grain Farming.

When animals or milk products are sold off the farm, only a small portion

of attention of farmers has been turned to these deserted farms and some of them are now yielding large crops. This change from an unproductive to a productive state has been brought about largely through the use of the dairy cow. The increased population has created a demand for dairy products. Grain and hay have been purchased from the West and fed to these cows, and in this way the fertility of the western soils has been, and is now being, used to build up the soil of the eastern states. These same conditions also are found to exist in the old countries. All Europe has, in the main, gone through the period of losing the fertility of the soil, but farmers are now handling their soils so that the fertility is increasing. It is a fact that most of Germany, Holland, and the Channel islands produce larger crops now than they did 30 or 50 years ago. The dairy cow plays an important part in the business of farming in these countries.

Cows Pay On \$1,000 Land.

That dairying is adapted to high-priced lands is also shown by an illustration from the European countries. Land on the Island of Jersey that rents for \$50 to \$80 per acre is the native home of the Jersey cow. Land in Holland is worth \$1,000 per acre, and the chief business in that country is the care and handling of the Holstein cow and marketing her products.

How the Pit Silo is Made

BY CLINTON DILLON

[Written for Farmers Mail and Breeze.]

Too many farmers in this shortgrass country are neglecting the silo and nowhere else will a silo pay such big dividends. A number of western farmers have built silos in the form of a trench or pit in the ground, that are very



PIT SILO, OPEN AND COVERED.

This type of silo should be built on high, well drained ground. Uncut green corn stalks have been put in these pit silos with good results.

cheap. They simply dig a pit the size they want (Fig. 1), then cement the walls or board them up and line them with heavy tar paper. After being filled they may be covered with anything that is handy but planks are best. Put a good layer of earth on top

to exclude air and prevent freezing (Fig. 2). With this kind of silo one must be careful to tramp the silage in well and the walls should be squared and smooth so as not to hinder settling. The only disadvantage in this mode of silo is in getting out the silage but on the other hand they cost very little and any farmer can build one.

For the farmer with means a 30 or 35-foot cement silo is the handiest to build and it will also be an ornament to any barnyard. It is a good plan to build it right in the barn since this makes it handy to handle the silage and also protects it from freezing. In deciding upon the size of silo to build one must consider the length of the feeding season and number of stock to feed. Good corn will make about 5 bushels of grain per ton of silage and from this you can figure somewhere near the amount of corn you are feeding in your silage. At the rate of 35 pounds of silage per cow per day 1 ton would last a cow about 60 days and an ordinary size silo, 14 by 30 feet or 16 by 24 feet will hold about 100 tons. In good average corn, 8 acres will fill such a silo.

Orleans, Neb.

Special Propositions

That Will Make It Easy For Every Farmer To Own A Champion Silo

Ask any farmer or feeder who has a Champion silo. Ask anyone who has investigated and he will tell you that the Champion is the best silo in the world today. If that's not enough to convince you write me a postal—just say you are interested. I will send you facts—convincing proofs—reliable figures that will show just how and why the Champion is true to name—The Best Silo in the World.

Save Money by Buying the Champion. Make Champion Profits Every Year

All silo owners make money. Champion owners make more money. Champion owners make more money because it's the best. Has interlocking steel frame. Redwood non-shrinking, non-swelling doors, one-piece latch, round steel anchors and many other new and important improvements not found on others.

Proposition No. 1 is for those who want just one silo, who want the best, who are ready to talk business and save money.

Proposition No. 2 is for those who have a silo and want to talk business. We have the best silo in the world and we have the best silo in the world now.

Proposition No. 3 is for those who want a silo and a cutter and are ready to talk business.

Proposition No. 4 is for those who want a silo and a cutter and are ready to talk business.

Proposition No. 5 is for those who want a silo and a cutter and are ready to talk business.

My New Catalog. Free!

I have a new catalog all ready to send you. It tells all about the guaranteed Champion silos. It gives facts and figures that will interest you. It shows in dollars and cents just what Champion owners are making. It gives valuable feeding facts which you should know. You can't decide the silo question intelligently until you have my book. It's something entirely different from the ordinary silo catalog. It's really a big book of feeding information. My book tells the peculiar advantage of the Champion silo and explains why it is generally recognized as the standard silo.

Write Today for Special Proposition

Just tell me which proposition you are interested in. Tell me when you will be ready to talk business. I will do the rest by giving you full particulars of our money-saving proposition. It will be the best ever put up to you.

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College Built Cement Silos

None as Yet Has Proven Unsatisfactory

BY G. C. WHEELER, EXTENSION SERVICE KANSAS COLLEGE.

[Written for Farmers Mail and Breeze.]

The Kansas Agricultural college is still advocating the building of cement silos, either of the metal-lath plastered type or the solid-wall type. It is not true that the cement silos built under college direction have been failures.

During the season of 1910, 23 of the cement metal-lath type of silos were built under the direction of the extension department of the college. Every one is giving perfect satisfaction. During the season of 1911, nine cement-metal-lath silos were constructed under the personal direction of a man from the extension department. In addition to this Director Webster of the Experiment station, who first authorized the plastered silo seven years ago while chief of the dairy division at Washington had two constructed at the Hays Branch Experiment station and one at Dodge City Branch Experiment station in September, 1911. In addition to these, we have record of 23 cement metal-lath silos which have been built during the last two years by men trained under our direction and still receiving advice and instruction by correspondence.

The only silo of this type which has caused any trouble is the one first built for the Experiment station at Manhattan during 1909. This silo developed a crack at one side of the door as a result of the failure of the workmen to follow specifications in placing the reinforcement. It was "hooped" on the outside, the crack filled with fresh cement and the silo filled to the top. The silage kept perfectly and it was filled and emptied a second time. In order to have a perfect silo of this type at the station it was torn down in August, 1911, and another one built on the same foundation. This silo has been filled and partially fed out. It is in perfect condition and the silage could not be better.

Under certain conditions, the solid-wall or monolithic type of reinforced concrete silo is to be recommended, and during the year 1911 expert assistance was furnished in the erection of eight silos of this type. In addition, plans and specifications have been furnished to contractors in Kansas for the construction of this type of silo. Our records show

that 20 silos of this type have been built by these contractors without direct personal supervision from the college. As yet not a single unsatisfactory silo has been reported, and special effort has been made to keep in touch with these silos, both by personal visits and through correspondence. The silage has kept perfectly in all these silos and none have developed weakness of any sort.

The Kansas Agricultural college has advocated the use of the silo as an economic necessity for 20 years. The college believes in the merits of the cement silo. Where properly designed and properly constructed it is the equal and, from the standpoint of permanence, the superior of any silo made. No attempt, however, is being made by the college to discredit any good type of silo.

The general plan followed in putting up the plastered or so-called metal-lath cement silo is to build a foundation or footing below the frost line, usually 2 feet deep. In building this foundation, forms are used, and ordinary coarse mesh woven fence wire is utilized for the reinforcing. Temporary 2 by 4's are erected in a circle on the foundation. On the inside of this frame, 24 gauge metal-lath (rather fine screen wire) is tacked, the ends being wired together to form a continuous hoop. Then an inside coating of cement, lime and hair, an inch thick, is plastered over the wire. This is followed by another coat 3/4 inch thick and a final or water-proofing coat 1/4 inch thick, completing the inside. After this has had time to set, the studding to which the wire was tacked is removed and one heavy coat, and one finishing coat of cement is plastered on the outside of the silo, making the completed wall 4 inches thick. To successfully construct such a silo a person must have had some experience in such work.

A High Estimation.

Mr. Editor—I think Farmers Mail and Breeze is the best farm paper I ever read. As to my preference on the presidential nomination ballot, my first choice is Roosevelt, and for the Republican nominee for governor, Arthur Capper.

J. H. Cannon.

R. 4, Wichita, Kan., February 15, 1912.



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While all this applies particularly to the users of inferior separators it applies likewise to the many thousands of DE LAVAL machines 10 to 25 years old. They are not worn out and are still superior to other new machines of today, but there are so many improvements embodied in the modern DE LAVAL machines that these old DE LAVAL users can well afford to make an exchange and soon save the cost of doing so.

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He will tell you how much he can allow on your old machine, whether a DE LAVAL or some other make, toward the purchase of a new DE LAVAL. If you don't know a DE LAVAL agent, write to the nearest DE LAVAL office giving make, number and size of your present machine, and full information will be sent you.

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The Chatham handles over 70 seed mixtures—wheat, oats, corn, barley, flax, clover, timothy, etc. Takes cockle, wild oats, tame oats, smut, etc., from seed wheat; any mixture from flax; buckhorn from clover; sorts corn for drop planter. Removes foul weed seed and all shrunken, cracked or sickly grains. Takes out all dust, dirt and chaff. Handles up to 80 bushels per hour. Gas power or hand power. Easiest running mill on earth. Over 250,000 in use in U. S. and Canada.

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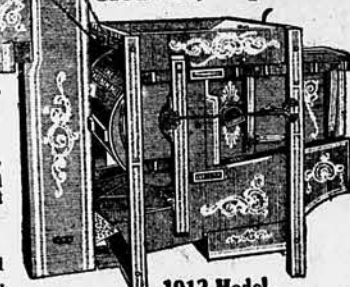
By Mark Havenhill, Fox, Ill.
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By H. O. Gilgore, Swayzee, Ind.
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Manson Campbell Co.
Detroit, Kansas City, Minneapolis

What Farmers Are Thinking

Readers of Farmers Mail and Breeze are cordially invited to air their opinions in this column if they can do it briefly. Say what you want to say, but say it short.

Poor Schools and High Taxes.

Mr. Editor—In my opinion the main cause of high taxes is our schools. From one third to one half of our taxes in this county are school taxes. From 10 to 15 years ago this was not the case. Why? Since then teachers' wages have doubled, we have a law requiring at least 7 months of school, so that now it requires two dollars to keep up our schools where it used to take but one. What is the remedy? Make the districts larger. A district 3 miles square is small enough for a country school. Our county, Neosho, is 24 miles square, which makes room for 64 school districts, but we have 104 districts. We could eliminate 40 of these districts, if the districts were of the proper size, and our schools would be better, for then we would have enough pupils to make an interesting school. It costs at least \$450 to maintain a school for one tax year, and at that rate the 40 schools cost \$18,000. Now that would be quite a saving to the taxpayers of this county, besides they would be getting better schools thereby. There are many schools in this county, whose average daily attendance is less than 20 pupils.

Another useless expense to the taxpayers, is the cost of assessing property for the tax rolls. One assessment of real estate, outside of growing cities and towns, ought to be sufficient for 10 years. The assessment of personal property could be so simplified, that at least one half of the assessors' time could be saved the taxpayers. For example, the assessor should open an office in a centrally located place in his township or precinct, the first of March, and let the people come to his office and give in their property, instead of having him go to them. Those who failed to report in a limited time could be compelled to pay for the assessor's trip, to hunt them up. There are many other phases of the present tax law that could be improved upon.

R. F. D., Erie, Kan. J. R. Long.

Why One Man Is Moving to Town.

Mr. Editor—A great deal has been said on the subject of people drifting from the country to the city. I have a family of six children and I am going to move them to Kansas City next summer. My main purpose is to provide them with better schools. I find that the cities have the best teachers, the best school buildings, the best theaters and best homes. The city people also have the best clothes and eat the best beef, while the farmer eats the old cows.

I have 350 acres of land for which I have been offered \$100 per acre but it is not for sale. I think land is a good investment but we have no fit schools and rather than send the children to town school it would be better to move there and neglect the farm. The people who till the soil and produce its food are entitled to more advantages and pleasures than they are getting. No wonder the cost of living is getting higher and higher.

Who sets the price on the farmer's wheat, corn, hay, butter, or eggs? You and I don't. Who sets the price on what we have to buy? Not you or I. Farmers have concluded to stop supporting all the middlemen and drummers and that is why they are buying direct from the mail order houses. Why should we pay our money into express companies and railroads when we ought to be allowed to pay it into the government through a parcels post system, saving at least a half for ourselves and letting the rest go toward helping to run the government? George Schaefer.

Neosho Rapids, Kan.

Parcels Post a Help to Merchants.

Mr. Editor—I want to compliment you on the stand you are taking on the money question. You are where I stood in the 70's. The plan of the New York banker you publish, on issuing currency to anyone having \$100 in bonds, and a system of postal banks will solve some of the problems so far as

banks are concerned. I am satisfied that a cheap parcels post will not hurt the local merchant. I have myself made up many 100-pound orders for mail order houses, when I only wanted one item they didn't keep at home, simply to get cheaper freight rates and save exorbitant express charges.

Dunbar, Tex. G. W. Anderson.

Alfalfa as a Silage Maker

ANSWER BY A. M. TENNEYCK, Superintendent Hays Experiment Station, of Kansas Agricultural College.

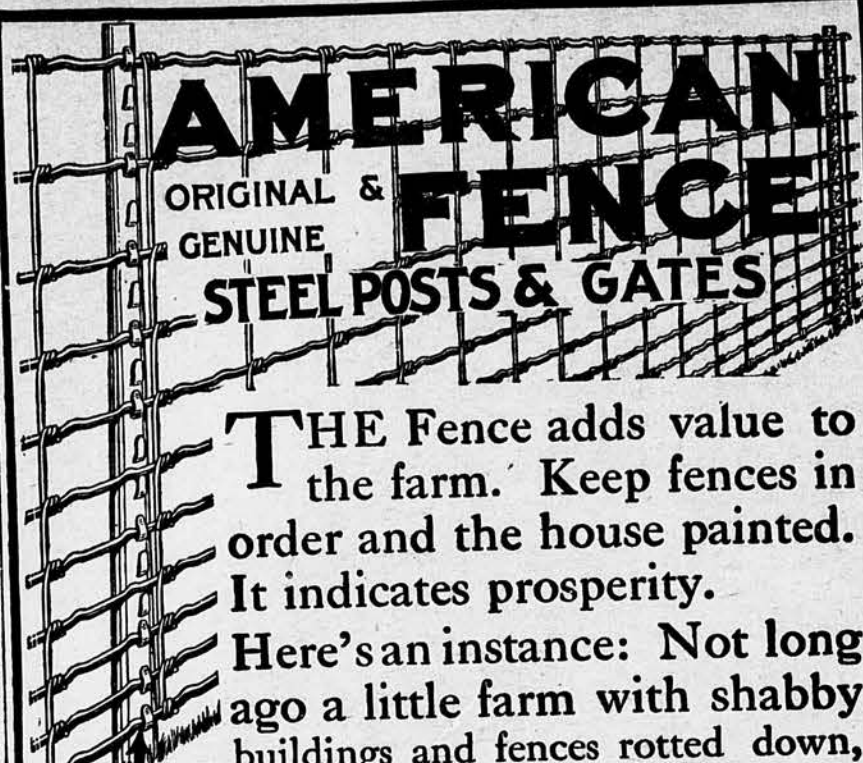
Please tell me whether alfalfa silage would be a good winter feed for hogs. I am now wintering 500 head on alfalfa hay and a little corn. Am thinking of putting up two silos to fill with green alfalfa. Would it pay? What would be the best method of getting it from swath to silo?—J. J. C., Medicine Lodge, Kan.

Alfalfa may be made into silage, but it is not so good for that purpose as corn or Kafir. Alfalfa stems always contain some air. Also it is difficult to handle the alfalfa rapidly enough on a warm drying day, in order to get it into the silo before it cures some. The result is that alfalfa silage does not keep as well as corn or Kafir silage.

If alfalfa is put into the silo during wet weather, when it is perfectly green, it will keep better, and there is an advantage in siloing the crop in a wet season, when it would be very difficult to put up good hay. Also, if the alfalfa dries too much, it is possible to wet the hay as it is put into the silo which will cause it to pack and keep better. It is preferable to run the hay through a cutter rather than to put it in without cutting, since the cut alfalfa will pack closer and keep better, than uncut hay.

Alfalfa silage well kept should make a better feed for hogs than alfalfa hay, but I have not observed any reports by the experiment stations of feeding tests along this line. Alfalfa put into the silo at the station at Manhattan was reported as not keeping very well, however, it made good feed for dairy cows. The writer superintended the siloing of this hay. It was handled about as rapidly as possible, the rake followed the mower and wagons were loading and hauling close behind the rake, and yet, the hay seemed to cure too much before it reached the silo to make the best quality of silage. Doubtless the best plan will be to follow the mower directly with a side delivery rake and the rake with the wagons, loading and hauling as quickly after cutting as possible, also, if possible, fill the silo during damp or rainy weather.

I believe that with practice and experience we shall learn to make a good quality of silage from alfalfa and it ought to make the choicest kind of feed for wintering hogs. I hope you will try it.



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Here's an instance: Not long ago a little farm with shabby buildings and fences rotted down, sold for a song. The new owner had the right idea. Buildings were painted. Wire fences were erected

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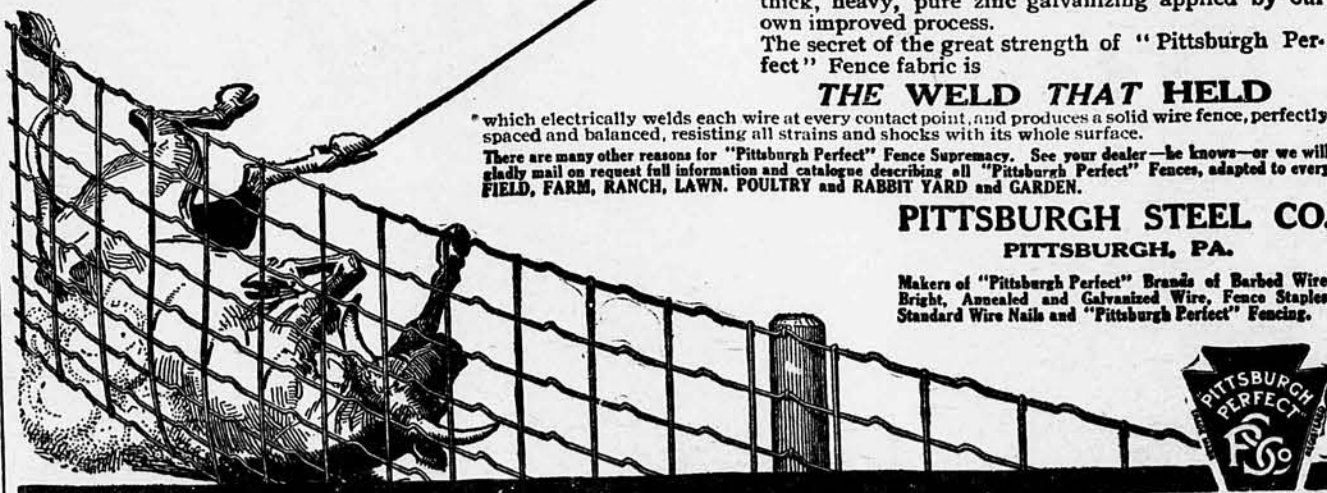
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Corn and Cowpea Silage

BY CHARLES E. PERKINS.

[Written for Farmers Mail and Breeze.]

We filled one silo last year with corn and cowpeas. It took 11 acres to fill a 120-ton silo and the silage is the best I have ever used or seen anywhere. The corn and Whippoorwill cowpeas were planted in the same row. In planting, corn was put in one box and cowpeas in the other. We drove through and came back in the same rows, thus planting both kinds of seed in each row. When the corn was right for siloing there were ripe cowpeas, green pods and blossoms all on the same vines. We cut this crop with a 6-foot mowing machine, taking two rows. The cornstalks averaged 12 feet high with good ears that would have made 30 bushels per acre, and the pea vines were as tall as the corn.

Another job of filling was done with a late crop of corn and cowpeas planted the same way but cut with a corn binder. We then went over it with a mower and raked up what was left. This proved to be a cheaper way of cutting and we expect to follow this plan hereafter. We consider corn and cowpeas handled this way to make as near a balanced silage ration as can be had. Fed with a small amount of hay or shredded fodder it would make an ideal feed.

The amount of silage to feed stock depends on the quality of the silage. If there is considerable grain in it a lesser quantity can be fed. I think it is best to give some dry roughness in addition. We feed all our silage under cover, but can see no reason why it might not be fed outdoors in tight troughs.

We had one silo, filled in 1910, left over last spring. About July 1, 1911, we began feeding our sheep once per day from this silo, while they were running on alfalfa pasture. They cleaned up about 3½ pounds per day per head for 40 days, when rain brought on other feeds. In October we took off about 14 inches from the top of this old silage and filled up with the corn and cowpeas. We began feeding from this silo in December and both sheep and cattle relished the old silage as well as the new. If not more so, and they gained just as much on it. The old silage was darker in color, but there was no further difference when compared with the new crop.

Oswego, Kan.

The Silo As a Feed Maker

(Continued from Page 7.)

Mr. Editor—I think corn silage is the best feed I ever used for it is a grain and hay saver combined. I have fed 55 yearlings, 48 3-year-olds and 5 cows on silage for 90 days this winter. I feed it in outside troughs. I feed the yearlings all they can clean up once a day and they have plenty of prairie hay in addition. They are doing fine. The 3-year-olds are on a full grain feed of 3 parts corn chop, to 1 part alfalfa-molasses feed and 2 pounds of cottonseed meal per head per day. For these cattle I keep silage in troughs all the time and they have alfalfa hay for roughage.

The silage I am feeding was made from corn that would have averaged about 5 or 6 bushels per acre and it took 45 acres to fill a 200-ton silo. I believe the man who is feeding stock or dairy cattle without a silo is losing money every day.

Wichita, Kan. F. F. Whitmore.

Feeding Kafir Silage in Bunks.

Mr. Editor—I filled my 100-ton silo with Kafir and it took about 15 acres but some of the Kafir was rather thin. It cost me about \$55 to do the filling but had there been a thicker stand of Kafir it would not have cost me so much. Silage will take the place of both grain and roughness and it is not necessary to feed anything else when simply roughing stock. I am feeding my silage in bunks outside but have a shed for the cattle to go to at night or in bad weather. I think stock will gain more and do better when fed outside than when kept up.

Julius F. Moerer.

R. 5, Yates Center, Kan.

Good Plan to Feed Some Hay.

Mr. Editor—We have a 150-ton stave silo, 18 by 30 feet in size and have been feeding silage all winter. It makes a fine feed and can be fed outdoors just

as well as inside if there is no shed or stable room. It took 40 acres of corn to fill this silo but the corn would have made only from 10 to 30 bushels per acre. The cost of filling was about 75 cents per ton of silage but we hope to cut this down considerably next year. If there is any old silage left when through feeding in the spring, leave it and when ready to fill again next fall take off the spoiled silage from the top and run the new crop in on it. It is not necessary to feed grain or roughness with silage but it is a good plan to have some hay where the stock can have access to it.

Deane L. Smith.

R. 1, Colony, Kan.

Kafir a Good Silage Crop

BY G. C. WHEELER,
Kansas Agricultural College.

[Written for Farmers Mail and Breeze.]

Kafir will make a very good silage. I have seen Kafir silage from quite a number of silos this year and have found it to be almost, if not quite as good as corn silage.

The addition of cowpeas to Kafir will make it almost ideal. If you have your Kafir planted rather thickly, the cowpeas might not make a very rank growth. The practice of growing cowpeas in the same field with corn is very generally practiced in the South with splendid results and is well worth a trial.

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I have just consummated a most remarkable purchase whereby I secured at a ridiculously low figure 5,000 sets of beautiful Silver Narcissus Spoons made by the famous Oxford Silver Plate Company. Each spoon is extra heavy, full standard length, extra deep bowl and with beautifully embossed and engraved handles. I am going to give a set of these handsome spoons absolutely free, postage paid, to all who send just \$1.00 to pay for a year's subscription to my big farm weekly, The Farmers Mail and Breeze. Send your subscription order at once and secure a set of these beautiful and serviceable spoons. State whether you are new or old subscriber. Time will be extended one year if you are already paid in advance. Address Arthur Capper, Publisher Mail and Breeze, Topeka, Kan.

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M. W. SAVAGE, MINNEAPOLIS, MINN.

Building Your Own Cement Silo

By G. S. Hine, Extension Dept., Kansas Agricultural College

[Written for Farmers Mail and Breeze.]

Although a great deal is said to the contrary, it has been demonstrated beyond a doubt that it is possible for the average farmer of today to construct a cement silo. All that is necessary is that he understand the mixing of concrete and realize the necessity for proper reinforcement. The simplest and most economic type of cement silo is the solid-wall or monolithic type constructed with the use of forms. It is possible, with the help of a carpenter and blacksmith, to erect these forms under local conditions. To construct the inner form (see diagram Fig. 1), a circle $1\frac{1}{2}$ inches less than the desired inner diameter of the silo should be laid off preferably on a barn or workshop floor. This $1\frac{1}{2}$ -inch space allows for a thickness of boards on both sides of the plate. Thus, in making a form for a silo 16 feet in diameter, the radius of the circumscribed circle should be 7 feet $11\frac{1}{4}$ inches. Next, 16 pieces of 2 by 12's 6 feet 1 inch in length should be cut to conform to this circle, and the ends mitred at an angle of $22\frac{1}{2}$ degrees. See Fig. II, page 16. These segments should then be altered to conform with the various segments shown in cut, Fig. II. When this is done eight of the segments are placed with the outer or circular edge each on the circumscribed line, as in Fig. 1. The segments placed in this manner should form a complete circle, the diameter of which is 15 feet $10\frac{1}{2}$ inches. The segments should be bolted together with tie plates (see Fig. III, page 16) placed beneath the joints of the circular segments. Slotted tie plates are placed opposite one another and attached to the circular plates at the notched ends. The four segments with the 1-inch notches (see No. 2, Fig. 1) are used in the lower plate. Upon the completion of the circle, the remaining eight segments are placed upon plate 1 and bolted together with the tie plates placed on the upper side of the circle. Upon completion both circular plates should be of a uniform size. The top plate may now be raised and the 2 by 4 studding 2 feet 4 inches in length (see Fig. IV, page 17) are placed between the upper and lower circular plates. The pieces of studding are toe-nailed, one at either end of each segment, with the exception of the notched ends, where the studding are nailed flush with the notched portion. The studding are placed in this manner so as to form a channel for the wedge used in distending the inner form (Fig. IV). This completes the framework, and the 1-inch boards used for

the outer surface of the inner form are now fastened in place. Eight penny nails, four to a board, may be used in this work. In placing the surface boards, be careful that the edges come flush with the ends of the dimension pieces of each

at the top and 2 inches in width at the bottom. (Fig. 4V.) If the wedges fit correctly, they should be removed and the projecting portions of the notches sawed off on both the upper and lower plates so that the inner form will col-

in contact with both the inner and the outer surfaces of the cement. This plan of working removes all the air bubbles from the mixture and tends to crowd the coarser particles toward the center of the wall. Thus a smooth hard inner and outer surface is the result.

The door frame (Fig. IV) consists of a tapering form the size of the desired opening and of such thickness that it will fit tightly between the inner and outer forms. A 2-inch by 2-inch strip is tacked around this frame so that the strip comes in contact with the inner form. This strip casts the groove in which the door rests. The wooden door frame is removed after the forms have been raised. All necessary doors for this type of silo may be made at a cost not to exceed \$10. The inner form should be raised to the desired height and fastened firmly in place before loosening the outer form; otherwise, cracks may occur. I do not know of any silos of this order in which cracks have occurred up to the present writing. With the set of forms as described above, it is possible for four men to construct 32 inches of silo wall per day. The forms can be raised and refilled every 24 hours, since the cement will harden sufficiently in 12 hours to allow the removal of the forms.

Material Required for Forms.

The bill of material for the forms for a 6-inch solid-wall reinforced silo 16 feet in diameter is here given:

16 pieces 2 by 12.....6 feet 1 inch long
4 pieces 2 by 10.....2 feet long
2 pieces 2 by 8.....2 feet 4 inches long
12 pieces 2 by 6.....2 feet long
2 pieces 2 by 6.....2 feet 6 inches long
16 pieces 2 by 4.....2 feet 4 inches long
2 pieces 2 by 4.....2 feet 10 inches long
2 pieces 3 by 4.....3 feet 6 inches long
160 board feet flooring, or 3-inch strips
2 pieces 16 gauge galvanized iron 3 feet by 27 feet 9 inches.
12 lugs $\frac{5}{8}$ inch by 2 inches, 10 inches long.
6 continuous threaded bolts 10 inches long.
10 pounds 8-penny nails.
96 bolts $\frac{3}{4}$ inch by $4\frac{1}{2}$ inches.

A blue print of detailed silo form plans will be furnished by the extension department of the Agricultural college upon receipt of 25 cents, which covers the actual cost of prints.

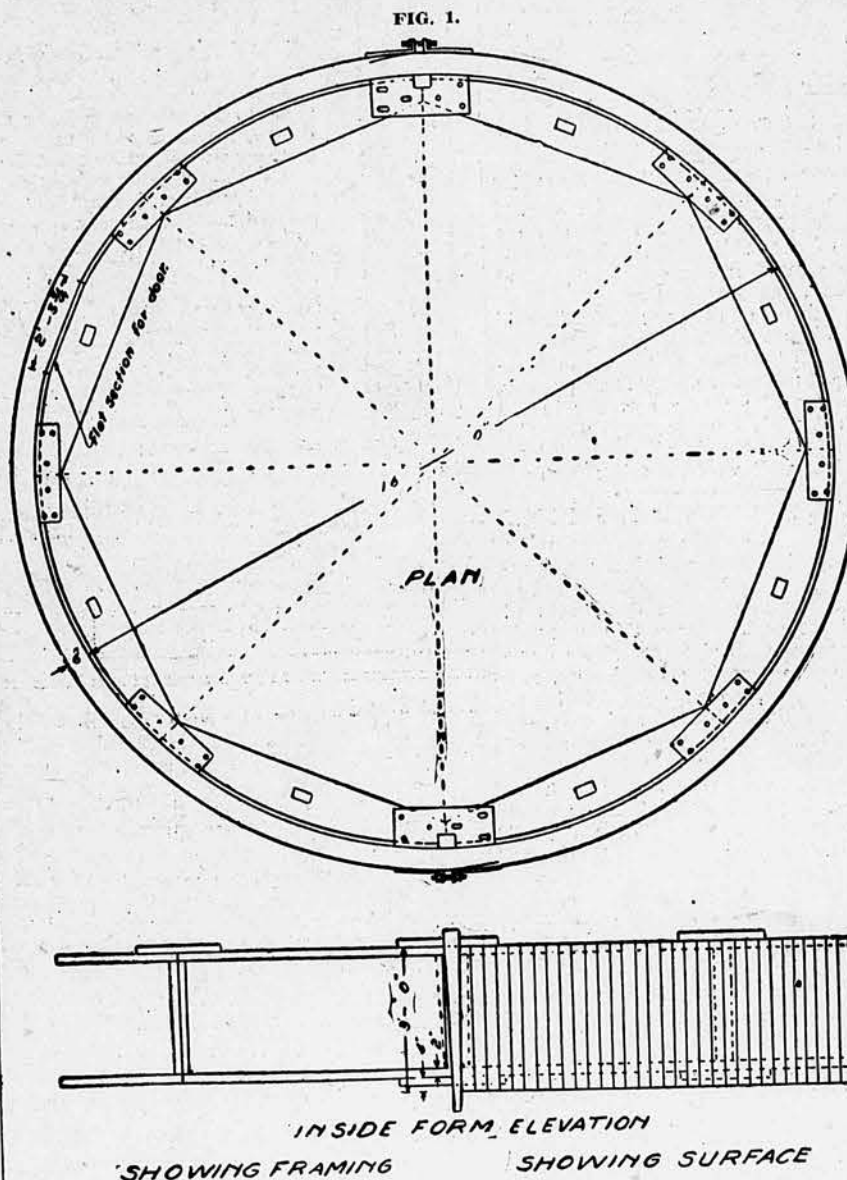
Material for Building Silo.

The bill of material for a 6-inch solid-wall reinforced concrete silo 16 by 30 feet, capacity 155 tons, exclusive of roof is here given:

Portland cement (1-2-4 mixture) 60 bbls.
Crushed rock ($\frac{3}{4}$ in.— $1\frac{1}{2}$ in.)... 37 cu. yds.
Sand.....19 cu. yds.
Wire—No. 9.....300 lbs.

or
*3 foot width heavy woven wire fencing.....40 rods
2-inch flathead screws.....2 gross
Flooring for doors.....100 board ft.
Cypress for plate (1 by 6).....60 board ft.
 $\frac{3}{4}$ -inch bolts 10 inches long.....10
 $\frac{3}{4}$ -in. round iron 36 in. long.....25 pieces.

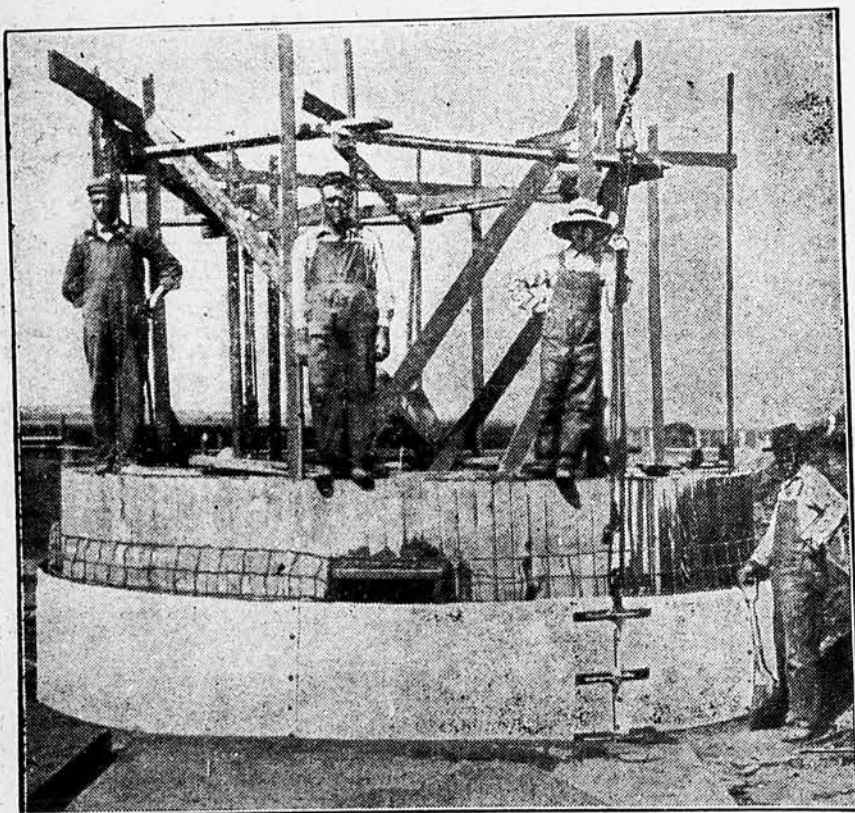
*If narrower fencing is used, the number of rods must be increased.
(Continued on Page 16.)



segment. The wedges, two of which are necessary, may now be fitted into place. These wedges are 3 feet 6 inches in length, 3 inches thick, 4 inches in width

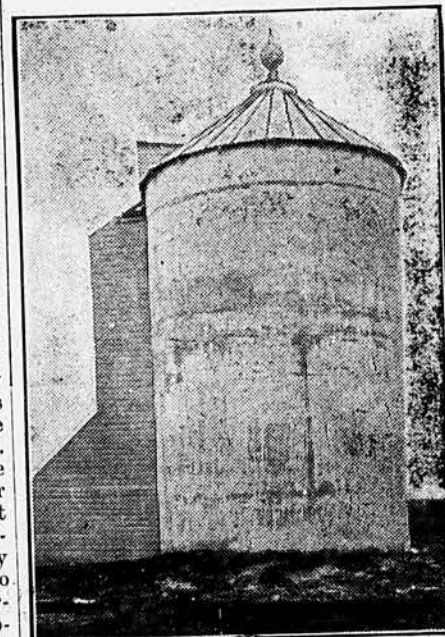
lapse when the wedges are removed. Four jack screws should be used in raising the inner form.

For a silo having an inside diameter of 16 feet, the outer form consists of two sheets of 16-gauge metal 3 feet in width and 27 feet 9 inches in length. (See Fig. IV.) The outer form is of sufficient length to allow for a 1-foot lap at each joint. Three lugs are bolted to both ends of the metal sheets and these lugs are connected with continuous threaded bolts. (See Fig. III.) This makes it possible to loosen the outer form when ready to raise it. Upon completion of the forms, all is in readiness to begin the silo building. An excavation is usually dug to a depth of several feet. A trench 18 inches in width and 1 foot in depth around the outer edge of the excavation will, when filled with cement, answer nicely for the foundation. Until the ground level is reached, the inner form alone may be used, as the sides of the pit will answer for the outer forms. Be careful to have the inner and outer forms equidistant upon commencing work on the portion of the wall above ground. For this purpose blocks $6\frac{1}{4}$ inches in length will be required. They should be placed near the top and between the inner and outer forms at intervals of about 2 feet. Hog wire may be used for reinforcement where it is impossible to obtain reinforcing wire manufactured for this special purpose. The wire should be placed at a distance of from 1 to 2 inches from the outer form, this being the point of greatest strain. The concrete should be thoroughly mixed to a sloppy consistency and poured from heavy iron pails into the forms. See that the cement is thoroughly tamped in the forms. This tamping is done with a spade or thin paddle and the paddle is worked up and down



OUTER AND INNER FORM IN PLACE, REINFORCING WIRE BETWEEN.

Until the ground level is reached the inner form alone is used, as the sides of the pit will answer for outer forms. Be careful to have inner and outer forms equidistant when beginning work on wall above ground.



SOLID WALL SILO AS COMPLETED.

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Twin Automobile Seat Top Buggy

FOR
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The
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It's a fact. Only \$33.65—full purchase price—for this beautiful, latest style **Twin Automobile Seat Top Buggy**, absolutely guaranteed for one year. Did you ever hear of such a tremendous bargain as this? We actually sell you a regular \$50.00 Twin Automobile Seat Top Buggy for only \$33.65. **And, remember**, this is simply **one** instance. This is **just a sample** of our amazing bargains on **every kind of vehicle** you can think of. Our 1912 Price Reduction Vehicle Book, the greatest vehicle publication of its kind in the world, **contains more than**

ONE HUNDRED SUCH AMAZING BARGAINS

Positively the greatest, most startling price making in the history of the vehicle business. We have always led the world in low prices on high grade buggies, road carts, surreys, farm wagons, etc., but **never before** have **even we** been able to offer you such unheard of bargains on high grade vehicles as are shown in our 1912 Price Reduction Vehicle Book.

A guaranteed top buggy as low as \$29.90; a guaranteed runabout for \$23.80; a guaranteed surrey for \$50.50; a big guaranteed farm wagon for only \$51.00; a guaranteed road cart for only \$10.35. The same smashing bargains on spring wagons, road wagons, trucks, etc. We lead the world in vehicle prices because we sell

DIRECT FROM THE FACTORY TO YOU

That is the secret of our remarkable low prices. No agents' commissions for you to pay; no jobbers' profits; no extra dealers' profits; no so called factory distributors' profits. You pay only the **rock bottom price** based on scientific management and direct selling. You actually pay less than the dealer, less even than the jobber, and we ship from one dozen distributed warehouses, cutting freight charges way down.

If you want a buggy, a runabout, a surrey, a phaeton, a farm wagon—no matter what kind of vehicle you want, we can **actually save you** all the way from **\$20.00 to \$50.00 in cash money**, and at the same time give you a vehicle of the highest grade ever placed upon the market, built in the largest and finest equipped vehicle factory in the world and backed up by **Sears, Roebuck and Co.'s ironclad guarantee**.

Thirty Days' Trial and Long Time Guarantee.

Furthermore, we will positively ship you any vehicle in our immense stock on **THIRTY DAYS' TRIAL**. Try it out to your entire satisfaction for thirty days. Give it a good hard test on your own roads. Compare it with any and all of the over priced makes you can find around and then if you are not convinced that you have secured the greatest bargain you ever heard of, ship it right back to us and it won't cost you a penny. We will even pay the freight charges both ways.

If you decide to keep it, we also **ABSOLUTELY GUARANTEE** your **CONTINUED SATISFACTION**. We guarantee it will outlast any other similar vehicle of any other make around your neighborhood. If it doesn't, send it back and we will return your money. We make this broad, sweeping guarantee because we know we are selling **THE FINEST GRADE OF VEHICLES EVER PRODUCED**.

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Send This Coupon Today for Great Vehicle Book. It is Free.

Building Your Own Cement Silo

(Continued from Page 14.)

For temporary use the following will be required:

20 pcs. 16 ft. 2 by 4	10 pcs. 7 ft. 2 by 8
20 pcs. 14 ft. 2 by 4	3 pcs. 16 ft. 2 by 8
8 pcs. 16 ft. 2 by 4	6 pcs. 16 ft. 6 by 8
16 pcs. 12 ft. 2 by 4	20 pcs. 12 ft. 1 by 6
8 pcs. 12 ft. 2 by 6	

The labor of four men for 15 days, is an average estimate of the labor required. A 10 foot by 10 foot platform for mixing concrete where a power mixer is not used, will be needed. The extension department of the college will mail a blue print for the form to be used in the construction of this silo upon receipt of 25 cents.

Cost of Filling a Silo

TWO DEFINITE REPORTS.

[Written for Farmers Mail and Breeze.]

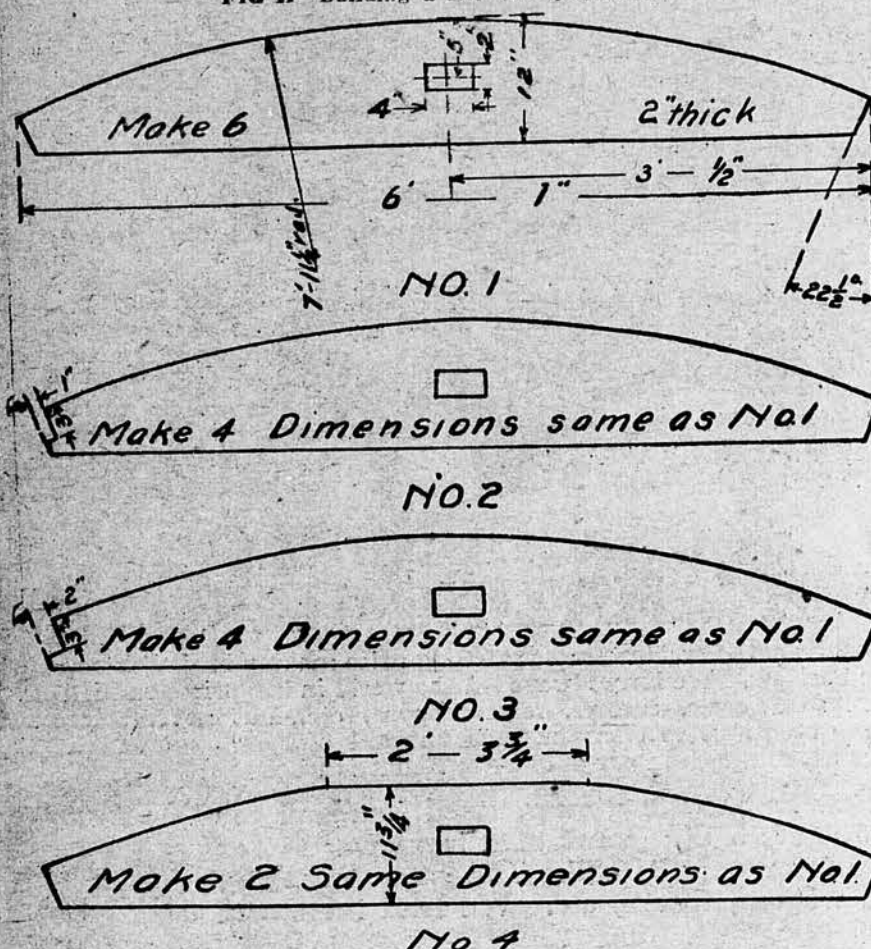
Last fall I filled my 100-ton stave silo with 9 acres of corn that would have made 40 bushels while in 1910 the same

and gravel were hauled from the river. The forms for this silo were made in Chanute and the reinforcing consists of two thicknesses of hog wire all the way through. The silage has kept perfectly. Chanute, Kan. A. G. Nelson.

Items in the Expense Account.

Mr. Editor—In filling my silo this year we cut the corn by hand. We had six teams, each hauler having a corn knife and we had two extra cutters. This made three cutters loading the first wagon all the while. Two men were working at the cutter and one tramping in the silo at \$1.50 per day. Figuring the other men at \$2 per day each, teams at \$3 per day, engine and cutter at \$10 per day, it cost me \$88 to fill my silo. The silo is 16 by 36 feet in size and holds 100 tons. The average haul was 65 yards and it took us four days to fill it. Part of this silo was filled with corn that had been cut and shocked for from 4 to 6 weeks. Each load was alternated with a load of green Kafir that had been drilled thick and had not headed out. The cost of filling a silo varies with

FIG. II—Building a silo (see page 14).



silo required 13 acres of corn that would have gone 35 bushels. I used a No. 18 cutter to fill my silo and it required a day and a half to do the work. The total cost of filling it was as follows:

Engine and water hauler.....	\$14.00
Corn harvester	12.00
Four teams	18.00
Six men	18.00
Coal	6.00
	\$68.00

These figures do not include board for men and teams for a day and a half.

A neighbor has a reinforced concrete silo that was built at a cost of \$300. It is 16 by 32 feet in size and the sand

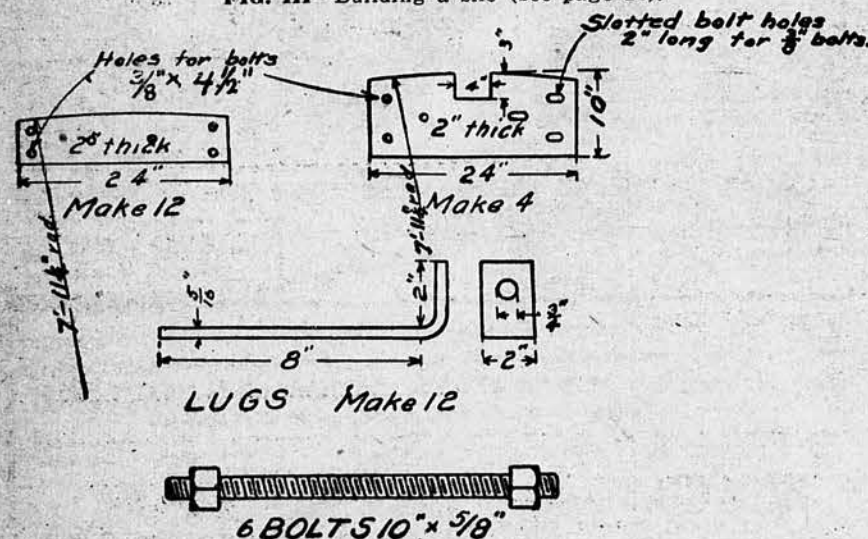
circumstances. I know of one silo that was filled by a man and his two sons. One son cut the corn and loaded it while the father and other son hauled it, cut it up with a 6-horsepower gasoline engine and put it in the silo. There is also a great difference in the number of acres of corn required to fill a silo even in fields where the yield of corn would be about the same, the difference being caused by length of stalks.

Charles S. Perkins.

Oswego, Kan.

Trial trip until June 1, 1912 for 10 cents, Mail and Breeze, Topeka, Kan.

FIG. III—Building a silo (see page 14).



No Danger of Over-Heating in The Twin City "40" All-Steel Gas Tractor

We provided the most advanced and effective cooling system for our wonderful Twin City "40." It is of an improved forced circulation type, using an enclosed radiator from which there is very little water consumed through evaporation and one filling of the radiator will last for a long time. The radiator consists of 181 flues made of a specially prepared soft steel, so that the water cools very rapidly. The fan is located at the rear end of the radiator instead of at the front, thus the cool air is drawn through the flues and blown into the cylinders of the motor, combining an air cooling and water cooling system in one.

Other Strong Features

The cooling system is only one of the many strong features of the Twin City "40." All-Steel Gas Tractor—only one instance which goes to prove that our 25 years of experience in the manufacture of high grade engines and transmission machinery has taught us how to make a better, a stronger, a more durable and reliable gas tractor than has ever been produced heretofore.

The Twin City "40" All-Steel Gas Tractor is the lightest farm tractor for its horse power on the market—a tractor that will actually deliver more power than the heavier and clumsier machines—and yet a tractor of greater strength and durability. It is built to wear and work—to hold together under the heaviest strains—to do the most work at lowest cost.

Backed by a Real Guarantee

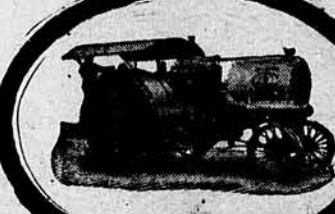
The guarantee of a \$1,250,000 corporation—known from coast to coast for turning out engines that make good, a company with a high reputation for living up to its claim and backing up its guarantees. Learn more about this great tractor. Let us tell you what the Twin City "40" All-Steel Gas Tractor can do for you—let us figure together and see how cheaply it will do most of the work on your farm—how it will make your profits look bigger.

We will also tell you where you can go to see it, and witness an actual demonstration of what it will do. It will pay you to investigate at an early date before all the tractors we can make this year are sold.

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All-Steel Frame
"Built Like a Bridge"

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Steel &
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"Flour City" Tractor



The GOLD MEDAL Winner

Did you observe our Gold Medal record the past four years in the Winnipeg Contest?

Did you note in the 1911 Contest, the "FLOUR CITY" carried off the Gold Medal in the Kerosene Class, with as much grace as it did with Gasoline?

Did it ever occur to you that there must be some good, deep-rooted reason, that would enable the "FLOUR CITY" to continually carry off the highest prizes in these Contests?

Did it ever dawn on your mind that a tractor equipped with a four cylinder vertical motor and high drive wheels will admit of the greatest power with the least weight; that the overhead valves opening direct into the cylinders is worthy of honorable mention from an economical standpoint?

Did you ever grasp the fact that our bevel gear transmission with its high carbon steel gears and ball-thrust bearings, has proved in every way superior to any other construction in the field today?

If you are not familiar with these facts and are really interested, send for our Catalog.

Kinnard-Haines Co., 854 44th Avenue No., Minneapolis, Minn.



Preservation of Silage

An Advantage Claimed For the Stave Silo

W. M. Esten and C. J. Mason in Bulletin No. 70, issued by Storrs Experiment station, Storrs, Conn., declare wood, or the stave silo, to be the best preservative of silage. The bulletin is based on a five years' investigation of silage fermentation and treats principally of the changes which corn undergoes after it is placed in the silo. The authors explain in this bulletin why a silo should be properly constructed of non-conductible material and that the necessary factors are proper temperature, and the spontaneous development of heat. To quote from the bulletin:

This experiment explains why silage does not keep as well in cement, stone or brick silos. The cement, stone and brick conduct

The testing of conduction by using a silo having a number of different materials in the wall, alternating wood, stone, brick, etc., gave the investigator a good opportunity to note the bacterial changes which take place as enforced by heat or cold, and they conclude their bulletin by the following statement:

When ensilage comes into contact with the brick and the cement surface of the stone and the brick, the heat generated by fermentation is conducted away so rapidly that the temperature does not rise to the height necessary to prevent the development of the organisms of putrefaction; that is, to prevent rotting; or perhaps, the temperature does not rise to a height sufficient to cause the best development of the organisms of fermentation and to prevent thereby the development of the organisms of putrefaction. The successful preservation of ensilage may require the development of certain organisms which, by the very fact of their development, retard or prevent growth of organisms which would be detrimental.

In 1888 Prof. Henry of the Wisconsin station rendered a somewhat similar verdict against the silo built of stone. While the work of the Connecticut investigators is more recent it is fair to say there remains some difference of opinion in regard to the preservative qualities of the various types of silos and the materials of which they are constructed.

Some Silage Comparisons

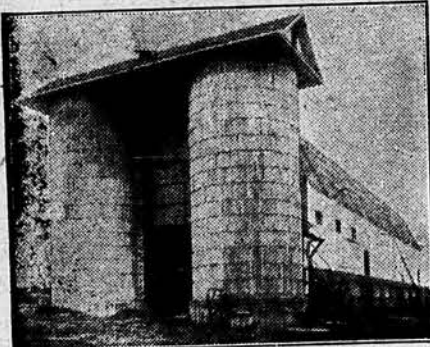
A. L. Haecker, formerly at head of the dairy department of Nebraska Agricultural college, has made some tests and investigations giving the relative value of hay and other feeds as compared with silage, also the cost of putting up silage and hay and the number of feet occupied by each according to weight. The results of his investigations are given in the following tables:

One ton of silage equals 1 ton sugar beets.
Three tons of silage equal 1 ton clover hay.
Two and one-fourth tons of silage equal 1 ton marsh hay.
Three and one-half tons of silage equal 1 ton alfalfa hay.
One-half ton of silage equals 1 ton pumpkins.

Following is an estimate of the cost of putting up silage and hay and the number of cubic feet occupied by each:

One ton of silage.....	\$0.56
One ton of hay.....	1.50
One ton of hay occupies.....	600 cu. ft.
One ton of silage occupies.....	50 cu. ft.

The fellow who never makes way for others is pretty sure to make his own way.



SILOS ON THE FORD FARM.

View of two huge stave silos erected on the dairy farm in Michigan of Henry Ford, the Detroit automobile manufacturer.

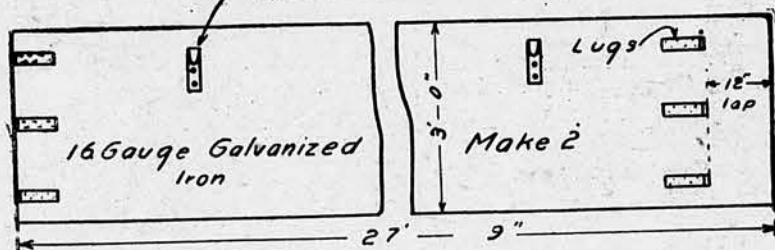
away the heat generated in a silo and the acid fermentation is checked unless the temperature of the acid at siloing time is much warmer than normal. Another factor is that cement and brick are porous and allow the silage to get air which causes it to spoil. The appearance of silage is not a complete guide as to its quality. It may appear to keep perfectly at the edges of a cement silo, but the acid and chemical tests are necessary to prove that it is normal silage. The odor of silage is the next best test.

In testing the silage produced by different kinds of silos they give the following comment, to explain the reasons why wood makes the best material for preserving the silage.

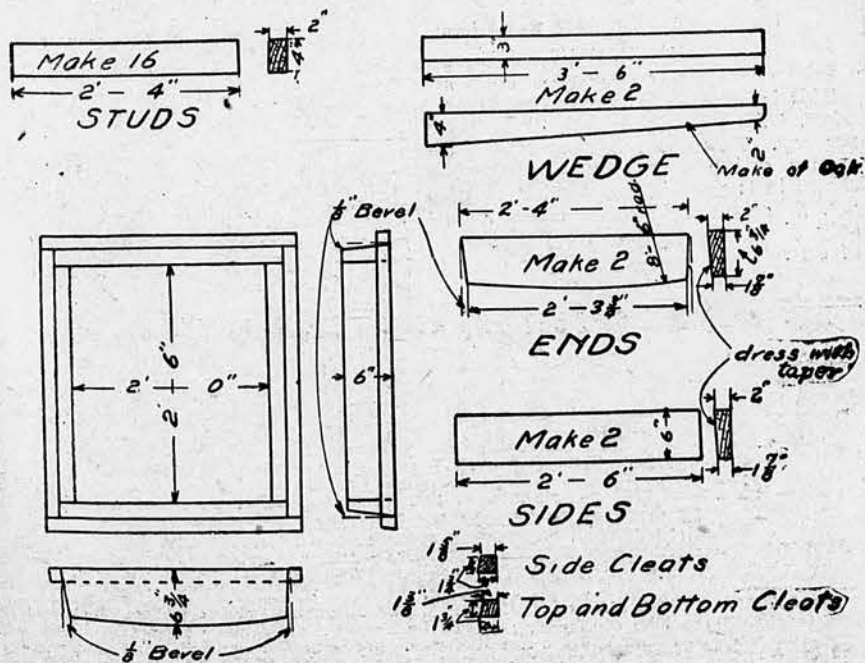
In the first place, wood is a poor conductor of heat. It conserves the warm temperature at the beginning of fermentation so the proper acid is formed, and prevents largely the freezing of silage. Secondly, silage keeps best against wood and nothing is lost around the edges. In some cement silos quite a loss of silage is experienced at the edges.

FIG. IV—Building a silo (see page 14).

4 Raising Hooks $\frac{3}{8}$ " $\frac{7}{8}$ " $\frac{7}{8}$ " uniformly spaced around form

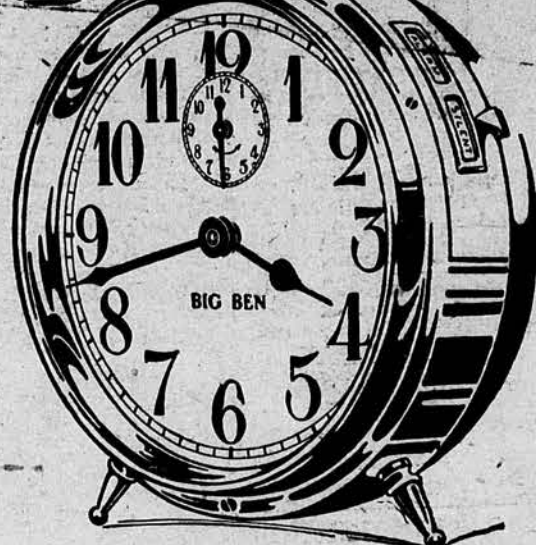


OUTSIDE FORM ELEVATION



FRAME FOR DOOR

Big Ben



What Franklin said, I say again—
"Plow deep while sluggards sleep"—Big Ben

Farm-work goes like clock work when it is started on time each morning. Run your farm as factories are run. Have a whistle start the work-day. Big Ben, the national sleep-watchman, will blow such a whistle for you—in other words, he'll ring his tuneful bell at any time you say. Begin the work on schedule time each day, and you'll do a great deal more. More work done, more money made.

Some men get rich on farms and others fail. What is the reason? Most always it is this:—Some farm systematically and some do not.

The best system begins with the rising hour—start with getting the farm hands up on time.

BIG BEN IS BUILT FOR THAT ONE

THING. TRY HIM ON YOUR FARM. See him at your jeweler's today. Note his big jolly sunlike face—his great, strong keys that are easy to wind, his large, clean-cut hands and figures which make time-telling easy, even in the faint morning light. Hear Big Ben's jovial voice—his whistle. You'll want him in your room and in the rooms of every farm hand on your place. Nine men will do the work of ten the first day he is used. Thus he'll pay for himself.

A community of clockmakers stands back of him—Westclox, La Salle, Illinois. If you cannot find him at your jeweler's, a money order for \$2.50 addressed to them will bring him to you express charges prepaid.

This 3½-Tons-Per-Hour Hay Press Carries Its Own Power Plant

\$10 TO \$15 A DAY NET PROFITS

Not content with merely building the fastest-baling Hay Presses on earth, we have added gas-power equipment by putting a high-class Gas Engine right on the same truck with the Press. This gives cheap power in abundant quantities. You can bale up to 2½ to 3½ tons per hour at lowest cost of operation and no time lost getting ready for business. Compact and easily moved. Don't have to set up or line up with engine. Solid steel machinery. Some owners of Sandwich Motor Presses made \$10 to \$15 a day last season, nearly double the usual profit. The big feed-opening of the Press takes double-size charge of hay. It's a self-feeder—direct from fork. Friction clutch sprocket on press. Can start or stop press instantly. Simple block dropper—lever brake. Simple, smooth and easy running, yet it bales 35 per cent more than any other press of same rated size. Nothing like it for windrow work.

Engine is hopper cooled type—requires little water. Heavy steel roller, chain drive. Chain delivers full power of engine. No belts to lose power or cause trouble. Comes completely and fully equipped. Engine can be removed for other work. No amount of money can buy a better gas engine. Can furnish outfits with 4, 5, 7 and 9 horsepower engines.

Sandwich Motor Press

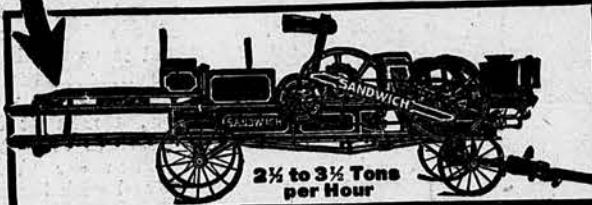
Horse Power Presses

Our Steel Belt Power Press, our Two-Horse Full Circle, Self-Feed Presses and our "New Way" Horizontal Press are pace-makers in horse power presses. Wood frame or steel frame

—as big or little as you wish. Our catalog pictures and describes each style. And each press is reasonably priced.

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Send your name and address on postal today and our latest Book, "Tons Tell," will be put in your hands by next mail. This Book not only describes our many Hay Presses, but shows the huge profits in hay baling. Baled hay is now bringing skyscraper prices. Most everybody wants theirs baled. No trouble to get plenty of business and the profits are large and well, get the book—it's free.



2½ to 3½ Tons per Hour

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717 Main St., Sandwich, Ill.

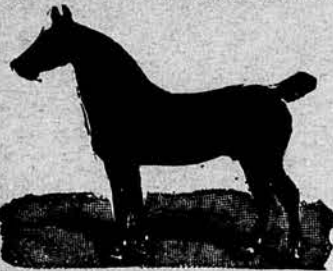
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Gombault's Caustic Balsam



Has Imitators But No Competitors.

A Safe, Speedy and Positive Cure for Curb, Splint, Sweeney, Capped Hock, Strained Tendons, Founder, Wind, Pulls, and all lamenesses from Spavin, Ringbone and other bony tumors. Cures all skin diseases or Parasites, Thrush, Diphtheria. Removes all Bunches from Horses or Cattle.

As a Human Remedy for Rheumatism, Sprains, Sore Throat, etc., it is invaluable. Every bottle of Caustic Balsam sold is warranted to give satisfaction. Price \$1.50 per bottle. Sold by druggists, or sent by express, charges paid, with full directions for its use. Send for descriptive circular, testimonials, etc. Address: The Lawrence-Williams Co., Cleveland, O.



USE ABSORBINE, JR. LINIMENT

Swollen, Varicose Veins, Bad Legs, Gout, Wen, Gout and Rheumatic Deposits, Sprains and Bruises respond quickly to the action of ABSORBINE, JR. A safe, healing, soothing, antiseptic liniment that penetrates to the seat of trouble assisting nature to make permanent recovery. Alleviates pain and inflammation. Mild and pleasant to use—quickly absorbed into the system. Successful in other cases, why not in yours? ABSORBINE, JR., is sold in 1 and 2 oz. bottles at drug stores or delivered. Book 1 & 2 free. W.F. YOUNG, P.O. Box 209, Springfield, Mass.

VETERINARY COURSE AT HOME.

\$1200 year and upwards can be made taking our Veterinary Course at home during spare time; taught in simplest English; Diploma granted, positions obtained by successful students; cost within reach of all; satisfaction guaranteed; particulars free. Contact with our Correspondence School, London, Can.

LAME HORSE?

Mark the Spot

WE guarantee to cure your horse of any form of lameness. You run no risk whatever. Just put a cross where the lameness occurs. We will send you the Best and Most Reliable Diagnosis Absolutely Free.

All you have to do is to mark just where your horse has a swelling, sore or any one of the big number of possible causes of lameness, and send it to us. We will then give the coupon to our practicing Veterinary Specialist for his expert diagnosis. We then inform you of the cause of your horse's lameness and the remedy that will absolutely cure him. We do all this for nothing.

Be positive, know what you are doing and know that you are treating the right spot in the right way. Don't disfigure your horse and reduce his market value. Write to us. We send you a \$1000 Warranty Bond to guarantee you against loss—for

MACK'S \$1000 SPAVIN REMEDY

Must Cure or Your Money Back

You cannot afford to neglect this opportunity. We guarantee to cure your horse of Bone or Bog Spavin, Ringbone, Thoroughpin, Curb, Capped Hock, Shoe Boli, Sprung Knees, Lacerated and Ruptured Tendons, Sweeney and all other forms of lameness.

Mack's \$1000 Spavin Remedy goes right to the source of the trouble and quickly restores natural, healthy conditions in the bones, muscles and tendons of your horse. It cures lameness in just a few days and the animal may be worked as usual. Contains nothing to injure or scar the horse.

Hackensack, N. J., Dec. 3, 1911.

McKallor Drug Co., Binghamton, N. Y.
Gentlemen:—I take pleasure in advising you that I purchased a bottle of Mack's \$1000 Spavin Remedy, and used it on one of the largest curbs I have ever seen, and which I thought incurable, but after using about one third of the bottle of your wonderful remedy he has become sound, and as smooth as the day he was foaled. It certainly is the greatest remedy on the market. Yours respectfully, GEO. MOLLOY.

Mark a cross showing where your horse is lame and mail this coupon to us.

Ask your druggist for Mack's \$1000 Spavin Remedy. If he cannot supply you, remit \$5.00 direct to us. Anyway, send today for our valuable Free Book—"Horse Sense."

McKALLOR DRUG COMPANY
Binghamton, N. Y.



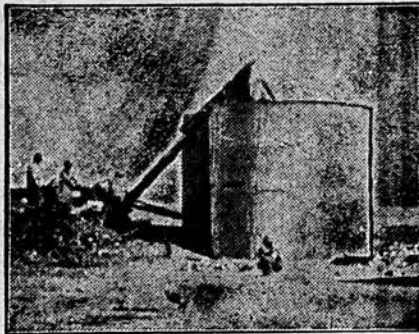
Some Farm-Made Silos

By Which First Costs Were Cut Down Somewhat

Probably more homemade silos are failures than successes. We are not so likely to hear of those that fail. However, here are several experiments at silo building which have turned out well.—Editor's Note.

[Written for Farmers Mail and Breeze.]

I am sending you herewith a photograph of a homemade silo built by Mr. Rus last summer. He has another just like it and both were built with ordinary farm labor. They extend into the ground 6 or 8 feet and the two together hold 285 tons of silage. From present indications a large number of these silos will be built in this section this year. Mr. Rus filled one of these silos with sorghum silage and the other with sor-



BUILT WITH FARM LABOR.

ghum and milo mixed. He is feeding cows and fattening cattle and both eat the silage with relish. However, they seem to prefer the sorghum to the milo. The cattle are doing remarkably well and Mr. Rus expects to double the capacity of his silos next year.

S. W. Black,

Supt. Panhandle Institute, Goodwell, Okla.

Bought Lumber and Built His.

[Prize Letter.]

Mr. Editor—Last summer I got our lumber dealer interested in silos and found he would sell me No. 1 selected Oregon fir at \$45 per thousand feet with local freight added from Topeka. I used 32-foot full length staves which cost me \$162.72. Door frames, hoops and guy

FACTS FOR SILO BUILDERS.

The silo must have air tight walls. A vertical, smooth wall is the only satisfactory wall to use.

The best results are obtained by distributing the silage uniformly throughout the silo.

Prevent the freezing of silage, as far as possible.

A double wall concrete silo is almost frost proof.

It is dangerous to feed frozen silage. The depth of the silo should not be less than 30 feet.

At least two inches should be fed from the surface of the silage every day.

The pressure of silage is about 11 pounds a square foot for each foot of depth.

rods cost \$75, and freight amounted to \$13, or all told my 130-ton silo cost \$250.72. I had had no experience in building silos and all I knew about them was what I had heard and read in the papers.

With the help of a few neighbors I put up seven poles, 32 feet long, about the foundation built a week before. We built a stage 16 feet from the ground and two more 6 feet apart above the first. We then raised the door frame, plumbed it and fastened it to the barn. After we had the two first staves on the rest was easy. The staves were started up with a rope, a man at the top ruled and plumbed them and then they were secured. When the staves were up we got a short rod with threads along its whole length and drew the first hoop tight. The rest came on all right.

I filled this silo two-thirds full of corn silage and the rest was Kafir. On November 10 I threw off 14 inches of spoil silage but the rest was fine. I found very little difference in the feeding qualities of the corn and Kafir silage and stock would leave clover hay for either kind. The cows gave a little more milk on corn silage and my 35

calves gained a little more on the corn than on Kafir but the Kafir made from two to four times as much tonnage per acre as the corn. The corn was cut when about ready for fodder and the Kafir when in the dough. There is nothing I know of that makes a better investment on the farm than a silo, unless it is two silos.

Westphalia, Kan.

D. F. Young.

Felt Roofing as Inside Lining.

[Prize Letter.]

Mr. Editor—I went to Wisconsin to see and study the different types of silos in use there—brick, concrete, cement block, stave, etc. I saw that the main thing was to make them airtight and being a carpenter I built a silo after my own plans. I laid a stone foundation 3 feet high and 16 feet in diameter on the inside. For a sill I cut up some 2 by 8 plank into segments, laid one tier on top of the foundation and another on top of this so as to break joints. I then spaced the studding 12 inches apart on the outside, plumbed and braced them. The studding were 2 by 4's 16 feet long.

We then took 1/2-inch lumber, 6 inches wide, inside and began at the bottom nailing it on round and round. We used 8-penny nails for this and after finishing up the boarding we tacked felt roofing over it on the inside. Three doors were cut through from which to take out the silage. The roof is one half pitch. This silo has kept the silage in good shape and I think will beat a stave silo as it has no joints to shrink and needs no hoops. Every board nailed on the inside is a hoop. This silo cost me about \$250. It is attached to the barn and boarded up on the outside with common siding. The silo is 27 feet deep from top of plate.

As to feeding silage I would not think of running a dairy without it. I made some experiments with bran and shorts but lost money on it. I finally tried cottonseed meal and found it to be just the stuff to feed with silage to cows. In addition to this I fed clover and timothy hay and I never saw a better ration for cows. It kept them in good condition and they just rolled out the butter fat. I fed each cow 1/2 bushel twice a day with 2 pounds of cottonseed meal mixed in at each feed. I also found it a good hog feed especially for brood sows.

Girard, Kan. T. M. Montgomery.

Using Concrete in Forms.

[Prize Letter.]

Mr. Editor—Last spring we built a 105-ton silo, 15 by 30 feet inside. I made the forms myself and with the help of my boys built it at the following cost:

200 sacks cement \$90.00

Reinforcing, bolts, etc. 24.75

Doors and chute 15.00

Shingle roof 30.00

Use of forms 20.00

Total \$179.75

This is what my silo cost exclusive of labor. We put up 4 feet of concrete per day. This silo is giving good satisfaction and not a single check has shown in it yet. Where sand is easy to get, I believe the concrete silo is the only kind to put up. It took 20 acres of corn to fill it but none of it would

(Continued on Page 21.)



Sound Legs Pull Big Loads

No horse with a Spavin, Splint, Curb, Ringbone, Bony Growth or Sprain, can do himself justice. Often these ailments put a horse out of commission. Thousands of farmers and horsemen have been keeping their horses sound by using Kendall's Spavin Cure—the old reliable, safe remedy. We have many letters like these to prove it. Otis A. Hopkins, East Greenwich, R. I., writes: "I have used Kendall's Spavin Cure for more than 25 years and find it the best on the market." Louis Deranger, Gilders, Wis., writes: "I have been using Kendall's Spavin Cure with the best of success. I cured a very bad case of Spavin on one of my horses and cannot say too much in praise of it."

KENDALL'S Spavin Cure

Keeps the horses working—making money in the field instead of "cating their heads off." It acts quickly, leaves no scars or blemishes and costs little. Don't risk experiments with unknown, untried brands when Kendall's costs no more (often less).

Be ready for any emergency. Keep a bottle of Kendall's in the barn. Then if anything should lame your horse you can apply it quickly and save big money as others have done and are doing. Tear this advertisement out to remind you to get Kendall's Spavin Cure next time you go to town.

Price \$1 per bottle—6 bottles \$5. Ask druggist for free book "Treatise on the Horse" or write direct to us.

Dr. B. J. Kendall Company
Knoeburg Falls, Va. U. S. A.

Prevents Sheep Scab

At the first signs of Sheep Scab start in immediately and use Dr. Hess Dip and Disinfectant. This parasite and skin remedy is very effective, meeting the requirements of the U. S. Government as an official dip for scab and is always uniform in strength.

DR. HESS DIP And Disinfectant

destroys vermin of all kinds—prevents skin diseases—keeps horses, steers, hogs and sheep in a clean, thrifty condition. Splendid remedy for mangy dogs. Spray your stables, henneries, sinks, troughs, etc., with Dr. Hess Dip and Disinfectant—it purifies the air and wards off disease. Send for free Dip booklet.

Dr. HESS &
CLARK
Ashland,
Ohio.



Fish Will Bite

Like hungry wolves, fill your nets traps or trot line if you bait with Magic-Fish-Lure.

Best bait ever discovered for attracting all kinds of fish. 25 cents a box. Write for Free Booklet and my special offer of one box to help introduce it. Address J. F. Gregory, R-20, St. Louis, Mo.

SAVE-THE-HORSE

TRADE
MARK
REG'D.

OUR LATEST Save-The-Horse Book—Is our 16 Years' Experience and DISCOVERIES—Treating 87,364 Horses for Ringbone—Thoroughpin—SPAVIN—and ALL Shoulder, Knee, Ankle, Hock and Tendon Trouble—It is a Mind Settle—Tells How to Test for Spavin—What To Do for a Lame Horse.

IT COVERS 55 FORMS OF LAMENESS—ILLUSTRATED

NOTE THE WORK THIS HORSE DOES IN FIVE DAYS.

Mr. R. H. Williams, of Sykesville, Md., Jan. 13, 1912, writes: "Troy Chemical Co., Binghamton, N. Y.—Have used Save-The-Horse five days; it is wonderful. The horse was unable to put heel to the ground, when walked he would barely touch toe and then jump with other foot. I gave first treatment Sunday. I put her in team Thursday and went for load of wood; got in place where they had to do their best or stay there. She lifted as hard as ever I saw her. Expected to see her lame next morning, but she was not. How long shall I continue to treat her?"

WE Originated the Plan of—Treating Horses by Mail—Under Signed Contract to Return Money if Remedy Fails. Our Charges Are Moderate. But first write describing your case, and we will send you—BOOK—Sample Contract, and Advice—ALL FREE to (Horse Owners and Managers—Only)—PUT HORSE TO WORK AND CURE HIM NOW. Write! AND STOP THE LOSS.

Address—TROY CHEMICAL CO., 15 Commercial Ave., Binghamton, N. Y. Druggists everywhere sell Save-The-Horse with contract or sent by us Exp. prepaid.

Overland

\$1200 worth for \$900

THE several important things that you demand in an automobile are power, performance, service, wear and appearance. You must have a car that has all of the practical things—one that will serve your purpose (both for pleasure and work) for as little money as possible.

Let's start with some of the higher priced cars made—say those selling from \$1250 to \$1500—and see if they give you any more practical or useful value than this \$900 car. We have not the space to go over the entire car, but take the five fundamentals—power, speed, capacity, durability and appearance.

Practically every \$1200 to \$1500 car in America has a 30 horsepower motor. Our \$900 car has a 30 horsepower motor. They all seat five passengers. Our \$900 car seats five large passengers. In fact, it is just as roomy and comfortable as you could possibly want it to be. Those higher priced cars seldom develop over forty or fifty miles an hour. Our \$900 car will go forty miles an hour with ease and will take your toughest hill with just as much ease.

Nor can the \$1200 to \$1500 give you a better made car. In fact, in some instances it cannot be as well made, for most of the other factories are so small that they are forced to do work by hand that we do by machinery, and every one knows that machine work is better and more accurate than hand work.

This \$900 car has a pressed steel frame. Same as the \$1250 car. The front axle is a drop forged I section—drop forged in our own forge plant. Same as the \$1250 car. The transmission is selective—three speeds forward and

one reverse. Same as the \$1250 car. The transmission is fitted with F. & S. annular bearings, which are used on the most expensive cars made. You get a fine Splittorf magneto. Same as the \$1250 car.

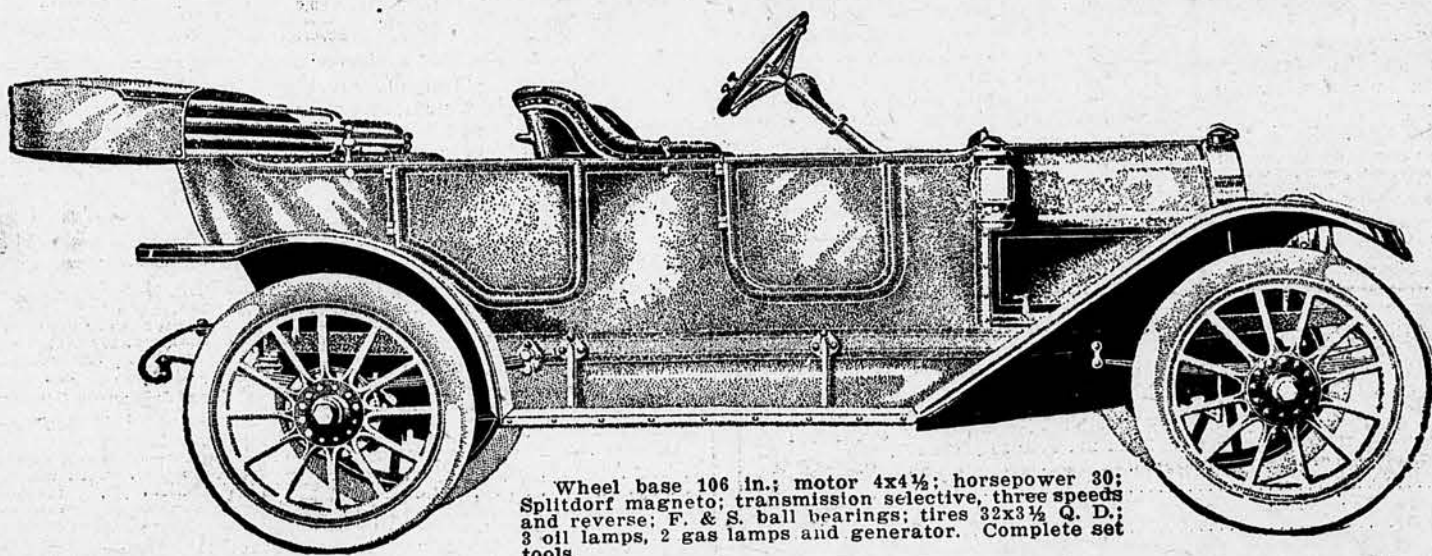
The motor itself is a beautiful job. It will never give you a particle of trouble. Just as true and sound as any of those big powerful engines you see on famous racing cars. It is of the most modern design, and as simple in operation as ABC. All the gear and crank casings are of pure aluminum, which are found only on very expensive cars. The gears are of Vanadium steel, found only on very expensive cars.

In appearance it is just as carefully and thoroughly finished. The body is in dark Overland blue. The upholstery is of good leather hand stuffed with fine hair. A car could not be made more comfortable. The body design is graceful, pleasing and right up-to-date in stylish appearance. Why should you pay \$1250 for a 30 horsepower five-passenger touring car when you can get a car like this for \$900?

And remember, this car is built by the greatest organization of skilled men—5000 of them—in the largest automobile plant in the world. Our enormous manufacturing and financial facilities enable us to do what is impossible for the smaller manufacturers.

Our handsome and well-written book gives you the detailed value of this car. It tells you all about our great big factories—shows you interior views of every department and contains a colored set of illustrations showing the complete Overland line for 1912. It is free. Write for your copy today. Please ask for book LL33.

The Willys-Overland Company, Toledo, Ohio



Wheel base 106 in.; motor 4x4½; horsepower 30; Splittorf magneto; transmission selective, three speeds and reverse; F. & S. ball bearings; tires 32x3½ Q. D.; 3 oil lamps, 2 gas lamps and generator. Complete set tools.

CAPPER BOYS CORN CLUB

Founded 1907

by Arthur Capper

OFFICERS.

President—Orville L. Dennis, Leona, Kan.
First V. P.—Walter Doolittle, Lawrence.
Second V. P.—Vernon Paine, Admire, Kan.
Third V. P.—Ray E. Rudy, Soldier, Kan.
Fourth V. P.—Everett Farrar, Frankfort.
Secretary—A. L. Nichols, Topeka, Kan.
Treasurer—Abner Lundquist, Lindsborg.

In the Southern states the records for large yields of corn on an acre have all been broken by boys. Sooner or later some Kansas boy is going to raise the Kansas record. A number of the Capper Boys are going to work for high yields this year by using the best seed and the best methods. Here is a letter from one of them:

I wish to secure a large yield of corn on 1 acre of ground. This land has been in sod pasture for a number of years. We could not plow this land until last spring and so of course it did not stand the drouth. This year it will be plowed as soon as the frost is out of the ground. I can get all of the manure that is needed. How much should I use? How deep should it be plowed? Would cowpeas help to make a larger yield of corn per acre if planted with the corn and when should I plant the corn? When should I plant the cowpeas? What variety of corn would you recommend to plant? I have entered in the corn contest.

HERBERT JOHNSON.

To Secure a Large Yield.

(Answer by Prof. TenEyck.)

To secure a large yield of corn I would advise to give this land a fairly heavy dressing of well-rotted stable manure, about 20 tons per acre, and plow it under as early as the ground is in good plowing condition. Do not plow when the soil is too wet, and plow about 6 inches deep or perhaps 8 inches deep, if the deeper soil is dark and rich. Follow the plow at once with a disc harrow, heavily weighted with the discs set rather straight in order to pack and pulverize the deeper part of the furrow slice and press the soil well into the manure. Then I would give this acre another light surface dressing of old well-rotted manure, about 10 or 12 good loads, carefully spread. Then as soon as the weeds start, or a hard rain packs the ground, disc again, lapping the disc half way, or double disking. This disking may be repeated again before planting or you may use the harrow. The purpose should be to get this seedbed well settled and well pulverized and the manure thoroughly mixed with the surface soil. With the usual rain, after such a treatment, the soil should be filled with moisture and in a warm mellow condition when the corn is planted, about the last week in April or the first week in May. Do not be in too big a hurry to plant. The main thing is to get the seedbed into a proper condition. There is plenty of time to mature a big crop of corn after May 1.

Ways of Planting the Acre.

Now in middle or western Kansas we would plant corn with the lister in deep listed furrows, but in southeastern Kansas it will be better to use the common surface planter or preferably use the furrow openers on the planter, thus planting the corn in a shallow furrow, in firm, warm, moist soil.

Better drill the corn, planting rather thickly, because your land is fertile and you want to secure the largest possible yield. I should say one stalk in a hill, drills 14 to 16 inches apart, in rows 3 1/2 feet apart would be about right.

The Kansas Sunflower or Boone County White are good producing varieties and should be planted about as stated. The Hildreth yellow dent, or Commercial White, are later maturing varieties and may require rather thinner planting, say stalks 16 to 18 inches apart in the row.

You should plant only tested seed of strong vitality and preferably "pure-bred" corn of one of the varieties named. To insure a regular stand you could plant this acre by hand, putting 2 kernels in a hill and then thin to one stalk in a hill, when the corn is 3 or 4 inches high. I should prefer, however, to plant with the planter. This will make the work regular and just as any other farmer could do, if he should wish to follow your plan on a larger scale.

How and When to Cultivate.

Now after planting, proper and timely cultivation is the important factor which will make the large yield possible. Of course, you can hoe an acre of corn and do a large part of the cultivation by hand and keep the weeds out and the soil in a mellow, favorable condition. And it may be necessary to do some hoeing, but I should wish you might do most of the cultivation with the regular implements, the harrow or weeder and the corn cultivator. Cultivation should begin very soon after the corn is planted. It should be frequent enough to prevent the growth of weeds and keep a mellow soil mulch to conserve the moisture in the soil and receive the rain that falls. Cultivation should be timely, as soon after the rain as the soil is dry enough to cultivate. The cultivation should be medium deep to make a good mulch, but not so deep as to injure the corn roots. And late in the season, when the corn has tasseled, if the cultivation is continued, it should be very shallow.

Plant Nothing in the Corn.

Do not plant cowpeas or anything else in the corn, let the corn have the full use of the land, the growing of other plants will act like weeds in taking moisture and plant food which should go to the corn. The rotation of crops, the application of manure, the thorough tillage of the soil, and the careful cultivation of the crop are the methods which I recommend for practical field culture in growing corn in Kansas. Yet you may increase your yield by the application of commercial fertilizers. I will not discuss the subject further now, but I am sending a bulletin on "Fertilizers and Their Use," also a circular on corn cultivation and a bulletin on seed selection and testing.

The Club's Fifth Annual Contest

In the club's fifth annual contest, now beginning, Mr. Capper will distribute \$300 in cash prizes to the boys of Missouri, Kansas and Nebraska. He offers also, a beautiful grand championship silver cup, valued at \$25 for the best single ear of corn grown this season by a boy living outside of those states. Any boy may take part in this year's Capper contests and become a member of the club by filling out the entrance blank

Entrance Blank Admits Any Boy to Contest

TO ARTHUR CAPPER, CAPPER BOYS' CORN CLUB, TOPEKA, KAN.


Please enter me in your Fifth Annual Corn Growing contest, and admit me to membership in the Capper Boys' Corn Club for the year 1912. I agree to abide by the conditions of the contest. I promise to learn all I can about corn growing during the coming season. I am not over 20 years old.

My name is.....


P. O. or R. F. D.

My age is.....

Properly filled and mailed as directed, this blank entitles the signer to the full benefits of the club and contest, without further notice or formality.




For Damp Climate



For Medium Climate

Beware of Paint Made Without Regard to Climate



Explanation of Map
Symbol Formula Humidity Climate
Triangle — No. 1 80 and over Damp
Square — No. 2 65 to 75 Medium
Circle — No. 3 50 to 60 Dry
Cross — No. 4 Under 50 Very Dry

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WHY take chances—lay up trouble and worry for yourself—besides spending your money for an inferior article? Since all paints, except

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(Completely Machine Mixed and Ground)

are made on the theory that one formula is good enough for the whole country, the chances are all against your getting a paint that won't crack, peel or chalk in your climate, unless you use Lincoln Climatic Paint.

There's no question about it. Look at the map above—or the elaborate climatic map at your dealer's. Note that this is a four climate country. Then consider that Lincoln Climatic Paint is the only kind made on four formulas—one for each different section.

The experience of every good painter is that for durability and long-continued protection there is nothing to equal Lincoln Climatic Paint.


Dealers, all over, are coming to the conclusion it is the best paint to carry as it endures as well as beautifies.

and certain to give satisfaction. Those who hold the agency are crowding us for orders, for the truth of Lincoln Climatic Paint's goodness is so apparent that their customers will have no other.

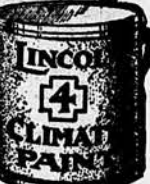
Before ordering, refer to the map to determine the correct formula you need—and be sure you get it. Each formula is based on Government statistics and is—in a sense—made-to-order for you.

Our FREE Book

telling about the discovery of Lincoln Climatic Paint will be sent to you on postal request. Write today, and we also give you the name of dealer nearest you who has a copy of the first climatic map of the U. S. ever published. Send postal now.



For Dry Climate



For Very Dry Climate

Lincoln Paint and Color Company
Dept. 25 Lincoln, Nebraska
Factories: Lincoln, Nebraska and Dallas, Texas
Lincoln Trade Mark covers a complete line of highest grade paints, varnishes and general paint specialties for all purposes.

\$29.50 Buys This Elegant Top Buggy.

Retail Price \$60.00. Buggies, Surreys, Spring Wagons, Farm Wagons. We have cut out our Jobbers, our Wholesalers and our Retailers and offer YOU their profit. Write today for our Free Catalog and Delivered Prices. Mutual Carriage & Harness Mfg. Co. Station 38H, East St. Louis, Ill.

WARRANTED FOR Five Years.



printed below. The contests are free. Contestants may take part in as many other corn contests as they like. Prizes this year for the Kansas boys will be:

Best Acre-Yield in Kansas.....\$50 Cash
Best Ear from Seed of Own Raising \$25 Cash
Champion Single Ear.....\$25 Cash

A handsome American flag, 5 by 9 feet is offered to the district school in Shawnee county making the best 10-ear exhibit, by 10 exhibitors, all pupils of the school, at the fifth annual Capper Boys' Corn Show and Reunion to be held Saturday, December 14, 1912, at Topeka. The following prizes will be open to competition by all Shawnee county boys 20 years old or under:

Champion Ear Shawnee County.....\$25 Cash
Second Prize Ear Shawnee County.....\$15 Cash
Third Prize Ear Shawnee County.....\$10 Cash

All ears submitted in school contest will also be entered for prizes in the Shawnee County Cash Prize Contest, these prizes to be awarded to the boys producing the corn. All contestants are to furnish their own seed and must do all the work of preparing the ground and planting and cultivating their crop themselves. In the acre contest each contestant will keep track of the number of hours' work performed by himself and his team and be prepared to render a detailed report of his operations on a blank to be sent to him at end of contest. The acre may be a part of a field of corn or a single acre.

A NEW JOHN DEERE BOOK


This book contains practical talks on the care, adjustment and use of modern farm implements. Every farmer should get this book and keep it.

Deere & Mansur Corn and Cotton Planters, Disc Harrows and Hay Loaders
No. 9 Edge-drop Planters, Model B. Disc Harrow—single and double—are the world's best sellers. Gold medal winners at every exposition. Get Quality and service—John Deere Dealers Glue Both.

Tell us what tool you want to know about; then ask for big book package No. X12. John Deere Plow Co. Moline, Ill.

FREE

Write For It Today

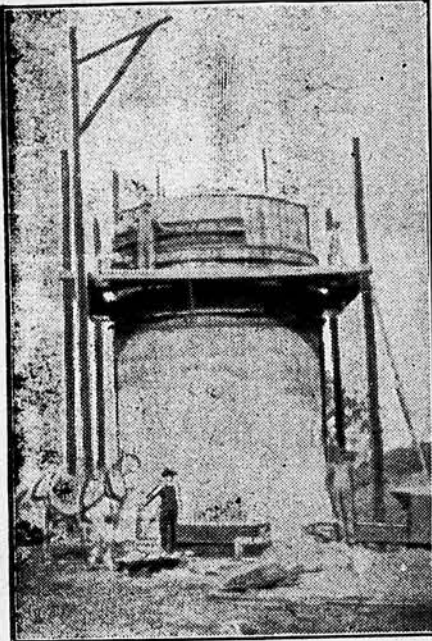


Some Farm-Made Silos

(Continued from Page 18.)

have made over 15 bushels per acre and the fodder was rather short. I hired a machine to fill it that cost me \$1.50 per hour. I had five teams, but this was really more than was needed. It cost \$54 for the job of filling besides my own labor.

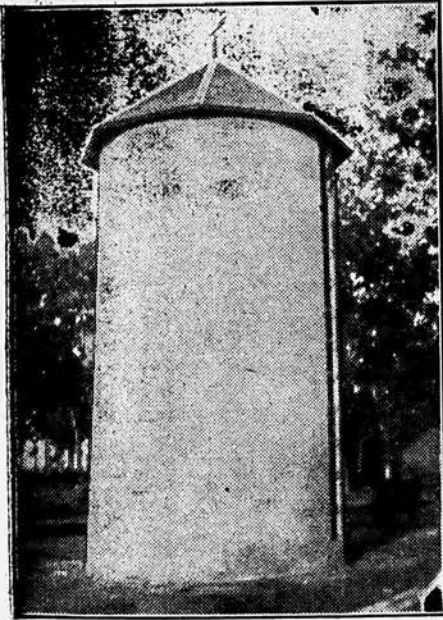
I am feeding yearling calves and give them 15 pounds of silage per head per



HOSTETLER SILO BUILDING.

day, also about 12 pounds of ground corn and Kafir, 1 pound of cottonseed meal and all the alfalfa hay they want to eat. The cows get from 35 to 40 pounds of silage each per day and roughness besides. Both calves and cows are doing well. As a succulent feed silage is the best thing we can get here in the West. It can be fed in an open yard but I have decided to feed it on the inside as soon as I can provide shelter.

I would like to have another silo, about 10 by 30 feet in size for summer



MR. HOSTETLER'S CEMENT SILO.
(Built at a cost of \$179.)

use. This would enable me to keep more cows on what pasture I have. As to how well silos are liked here I may say that our farms have been engaged in building six silos this spring. By helping each other in building this type of silo may be put up much cheaper and in my opinion they will be better than the stave silos. H. E. Hostetler.

R. I. Harper, Kan.

This Silo Bucked a Tornado. [Prize Letter.]

Mr. Editor—I am well pleased with the metal-lath cement silo we built with the aid of Mr. G. C. Wheeler of the Agricultural college. This form of silo needs practically no attention after being built. A tornado struck my place during August of last year while the silo was empty. It tore the roof off my barn on one side of the silo and lowered the windmill on the other side but the silo remained solid as a rock. In very severe weather the silage

will freeze around the edge. We find this is no serious objection as this can be scattered over the top of the unfrozen silage and will thaw out by the next feeding time. During a part of this winter's cold spell I covered the top of the silage with a stack cover and it worked nicely.

I should like to say to Mr. Dawdy of Jewell, Kan., that if he had plastered the inside of his foundation with a thin coat of 1 part cement and 1 part sand it would have kept the moisture out and his silage would not have spoiled from that cause. We have our silo lined in this manner and the silage keeps perfectly. E. J. Dixon.

Agra, Kan.

The Picture on the Cover

A photograph of the dairy barn and silo of Ben Schneider, near Nortonville, Kan., has the place of honor on the cover page of this week's Mail and Breeze. Mr. Schneider is one of the Kansas progressives in dairying. His dairy cattle are Holsteins and he uses up-to-date methods in feeding and handling his cows. He finds a 100-ton silo will feed about 75 head of cattle 100 days and it costs him about \$54 to fill such a silo. He has an interesting letter on page 7 of this number of the Mail and Breeze on compounding silage rations.

WORLD'S GREATEST SEED CORN— "GRAND CHAMPION" WHITE. TWO POUNDS FREE TO EACH SUBSCRIBER.

I am going to give free to my subscribers a limited quantity of the world's purest and best seed corn—"Grand Champion" White—grown from the bushel which was awarded first prize at the Omaha Corn Exposition, Omaha, Nebraska, and for which I paid \$280.00 cash.

I gave some of this seed corn to Mr. H. V. Cochran, one of the most expert seed corn growers in America, and the seed which I offer here was grown from the prize bushel and you will find it the equal of the original bushel, which brought perhaps the highest price ever paid for a bushel of seed corn.

The corn is a large pure white, deep grain, matures in less than 100 days and is an extra heavy yielder.

I have had this "Grand Champion" corn put up in one pound packages, all ready for mailing.

As long as my supply lasts I am going to give it away on these very attractive offers: Two pounds of corn and a year's subscription (new, renewal or extension) to Farmers Mail and Breeze—for \$1.00 I will also give you two additional pounds for each new yearly subscription you send me, other than your own, at the regular rate of \$1.00 a year.

You pay nothing for this corn—it is mailed to you, postpaid, as a free gift for your own or your neighbor's subscription to The Mail and Breeze at the regular rate—2 pounds with each yearly subscription.

I have only a very limited quantity and can secure no more at any price when this supply is gone. Send your subscription or renewal at once. If too late, I will notify you and return your money. Address,

Arthur Capper, Publisher Mail and Breeze, Topeka, Kansas.

All things the hustler doesn't want come to him who waits.

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Stumps 3 and 4 feet across and larger, with 5 to 12 foot tap roots come out like weeds when the Hercules All Steel Triple Power Stump Puller is hitched to them. Let us show you many actual photos and letters from men who use the Hercules. Why don't you pull the stumps and grow crops instead of paying taxes on land that yields nothing. Now is the time. Our special price to first 5,000 buyers saves you big money on first cost. Stumps get harder to pull every year. You lose half the land value and \$700 in crops every year stumps stand.

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Read the facts it contains. Prove them in the light of your own knowledge of farming. Face them fairly and decide if you can afford to be without the Oil Puller—the only tractor with the famous Secor-Higgins Carburetor—the solution of perfect oil-combustion.

READ THIS TESTIMONY

Mr. J. O. G. Knight, of Manitoba, Can., writes: "The Oil Puller greatly exceeds my expectation, in power and simplicity. My land is very hilly, and the Oil Puller drew six plows, plowing seven inches deep, on steep grades where another make of engine stuck with three plows, and with their own expert operating it. For power, durability, simplicity and economy, the Rumely Oil Puller has no equal on this continent, in my opinion."

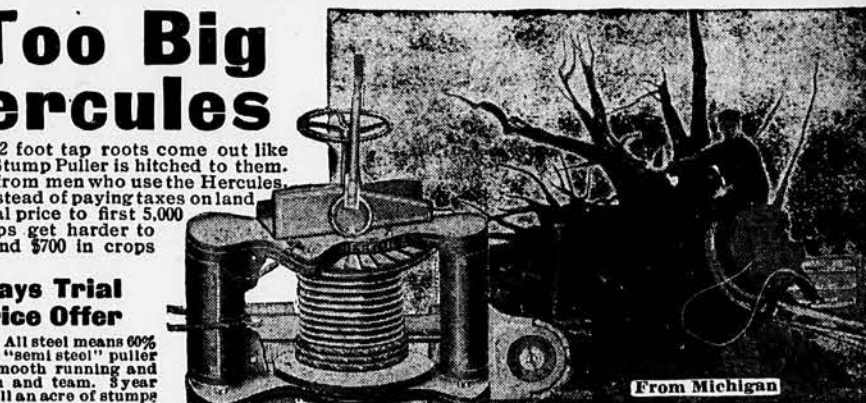
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Send right away for copy of our handsome 1912 Art Catalog and read all about the Great Western. We will also put your name on our list for free subscription to "The Tattler," a little monthly magazine, most valuable to all who are looking into the automobile question.
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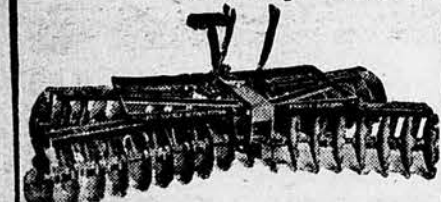
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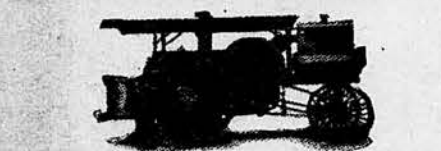
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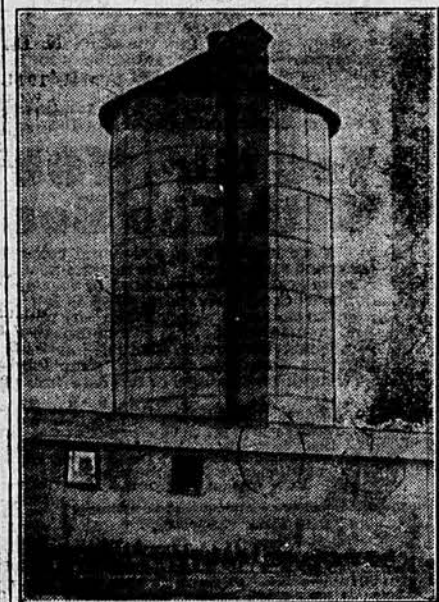
The Ohio Tractor Manufacturing Co., Marion, O.

Seven Years' Use of Silage

BY W. W. THAYER, BROWN COUNTY

Eight years ago Mr. Thayer had one of the Gurler cement-lined wooden silos erected on his dairy farm in Brown county and has been feeding silage to his stock ever since. As his interesting report antedates any other in this number of the Mail and Breeze it is believed to fully entitle him to the year's complimentary subscription to the Topeka Daily Capital offered for the best letter on the silo.—Editor's Note.

In 1904 I built what was probably the first silo in Brown county. I had it built by H. B. Gurler, the well known dairyman of DeKalb county, Illinois, who built the first cement-lined silo in 1898. My silo is built of 2 by 4 studs with 1/2-inch sheeting bent to a circle



WOODEN CEMENT-LINED SILO.
(The outside is covered with galvanized iron.)

cle and nailed to the outside of the studding. It is 16 feet 4 inches by 38 feet in size and will hold about 150 tons. It is lathed inside and plastered with cement. I have also covered the outside with galvanized iron.

We have filled this silo with corn each year during the seven years we have had it and several times after the corn silage was fed out in the spring we put in the first crop of alfalfa for summer feed for the cows. Alfalfa silage keeps well and the cows eat it greedily but I cannot see much in its favor over the use of alfalfa hay. The silage requires



PUTTING ON THE SHEETING.

some other feed in addition the same as corn silage while alfalfa hay makes a good feed alone.

We have our own machinery with which to fill the silo. Our corn will usually make 60 bushels and it takes about 15 acres of it to fill up the silo. We fill and refill it after every settling until it is full and solid up to the top. As soon as through filling we begin feeding and never have any spoiled silage. If any is left over in the fall we throw off what is mouldy and run the new crop on top of it.

While visiting in northeastern Ohio last fall I made some investigations with regard to the silos in use there. They are putting up a type with square cor-

ners but round on the inside. They use houseflooring for a lining inside, running it up and down while the outside covering is of common barn boards also nailed up and down. I saw few stave silos there and those I saw were old ones, but there were plenty of this new kind. I don't want to be understood as knocking on the stave silo for I would get one of them myself if I could not get any other.

I have learned a few things during these seven years. I have been saving at least half of my hay and have more than doubled the number of livestock on the farm. I have also made a big saving in grain fed, both for fattening and milk. My cows also have come through the winter in much better condition than before I had the silo.

We keep 30 head of cows and sell their calves when a year old or a little over. We milk the cows and ship the cream, having the cows come fresh in the fall and winter. We do this because we have more time to milk cows and feed calves in winter than in summer. The calves also will do better and the cream sells higher in winter than in summer. We do not have much pasture on the place but feed the cows the year around. We keep green alfalfa in a feeder all the time and feed silage in the stable.
Fairview, Kan.

The Southwest's Land Show

BY C. E. REEVES.

[Written for Farmers Mail and Breeze.]

The Kansas City Land Show, which concluded last week in Convention hall, was well worth seeing and many saw it. It was a sort of birdseye view, so to speak, of the Southern and Western states, their resources and products. California had an especially attractive display of fruits. There was an apple orchard from Colorado showing trees in bloom and the ripe fruit, both in the same orchard. Also exhibits from the rice fields of southern Texas, the Ozark country from Missouri, from Mississippi and from other states, including Kansas and Missouri which had the most extensive displays of products—in fact Kansas City could get up a land show with the assistance of these two states alone. A part of the Kansas exhibit this year was contributed by the Capper Boys' Corn Club. There is a probability the Kansas City Land Show may become an annual feature as it serves a most useful purpose by making the general public acquainted with the resources of the rich territory tributary to western and southwestern markets.

Silo Co-Operation in Iowa

Iowa, which probably leads in co-operation among farmers, has lately found co-operation pays in silo building. The farmers get together and build these. It is a great saving and a great convenience, for the things can be put up with great dispatch. It is said that 20 carloads of silos pass through Des Moines daily bound for the farms of Iowa and states farther West.

SPECIAL SUBSCRIPTION BARGAIN.

The Farmers Mail and Breeze Until June 1, 1912, for Only 10 Cents.

This is a special subscription offer made to interest new readers in Farmers Mail and Breeze. Send 10 cents in stamps and get the big farm paper every week from the time your order reaches us until June 1, next. Regular price \$1.00 per year. Tell your friends about this special subscription offer. If you send in a list of four, with a remittance of 40 cents, we will give you your own subscription for your trouble. Send at once and get the full benefit of this special low offer.

Siloing such crops as corn, kafir, milo and cane means the keeping of more cows on the same acreage.—O. E. Reed, dairyman, Kansas Agricultural college.

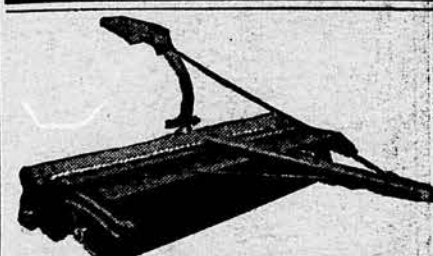


O. Z. McGee, Arnaud, Manitoba, broke 1,280 acres sod, plowed 800 acres, disced 1,800 acres four times (equal to single disking 7,200 acres) threshed three days and graded road four and one-half days, all with one Big Four "30," during the season of 1911.

Write now for the Big Four "30" Book. Free.

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INCREASES THE YIELD 8 to 15 Bushels to Acre

You can increase your yield 8 to 15 bushels to the acre by using a BRILLION CLOD CRUSHER. It makes a perfect seed bed, causes seed to sprout earlier and yield much larger returns. It compacts the soil thus retaining the moisture. Beware of imitations. FREE printed matter also on small power Gasoline Engine. Write today.
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If you want the best Silo for the least money buy the Independent Silo, of the largest manufacturers of Silos in the Northwest and save the profit of the jobber and middleman for yourself.
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We do not belong to the SILO COMBINE. We make our own prices. We make our silos of the finest materials and guarantee the workmanship and materials to be first-class. We ship on approval and do not ask you to make settlement of any kind until the silo arrives at your station and are satisfied that it is exactly as represented. Write for free circular and price list.
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You can buy an INDIANA SILO on our plan and never know you have spent a cent!
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Before you buy investigate this Silo—the Silo that's different—the Silo without a fault—the one that's now acknowledged to be the most Perfect Silo on the market.
The Des Moines Silo
Is made of finest lumber—thoroughly creosoted, that means it's weather-proof—rot-proof—moisture-proof—needs no painting—double anchors make it wind-proof—special spring in hoop—loosen or tighten hoops automatically—has inside hoop that gives additional strength.
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Find out more about this modern silo before you buy—see all the new features and improvements. Licensed under Harder Patent No. 627722. H. C. Hargrave, Pres., Des Moines Silo Company, P. O. Box 112, Des Moines, Ia.

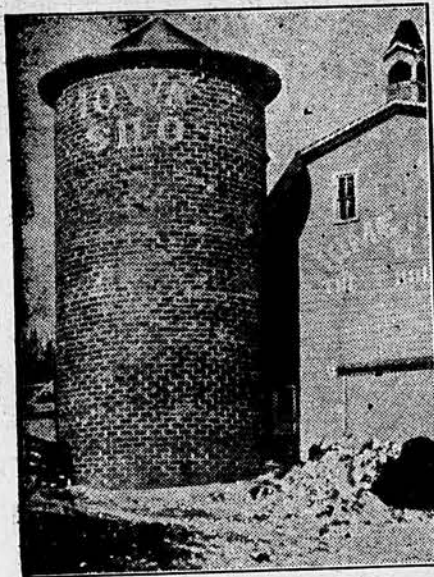
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Double life of your silo and woodwork with **AVENARIUM CARBOLINEUM** (Registered)
Stops decay. Used on roofs, wind-mills, barns, chicken coops, fence posts. Applied like paint. Circular free. Freight prepaid.
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GOOD MONEY in Hay handled right. Kountz Steel Rakes and Stackers handle right. Let me show you. **W. KOUNS, SALINA, KANSAS.**

Silos Built of Hollow Tile

THE "IOWA SILO."

One of the newer types of silos that is attracting attention is the "Iowa" type, originated and perfected by the Iowa Experiment station at Ames a few years ago. The building material in these silos is hollow clay vitrified building blocks. These blocks are hard burned and being hollow are almost impervious to moisture. For reinforcement, heavy wire is used which is laid on each succeeding course of blocks in the mortar joints. This wire is placed near the outer edge of the blocks and the two ends are hooked over the steel in the



APPEARANCE OF IOWA SILO.

framework of the doorway. The door frame is built of concrete with the aid of forms.

It is claimed for this type of silo that it is almost indestructible and should do service for two or three generations. The doors are the only wood used in its construction as the roof is made of concrete, thus the only maintenance expense would be to provide new doors when the old ones have decayed. It is well to apply a cement wash to the inside of these silos every year or two. The walls will resist the action of weather, fire, acidity of the silage, and their frost resistance is about equal to that of the stave silo. Perhaps the chief disadvantage of the Iowa silo is that it is not portable.

The cost is approximately the same as that of stave silos of the same size, ranging from about \$250 to \$400 for all materials and labor. The cost will vary considerably according to where the tile is secured, its prices, wages of masons and other help, etc.

Preventing Frozen Silage

THICKER WALLS ADVOCATED.

Mr. Editor—I have been contemplating the building of a cement silo this spring but was told the silage in them would freeze solid. On February 5, directly after our hard freeze I went 28 miles to make some investigations. I found that about 4 inches of silage was frozen next the wall of a cement silo, but this could be easily scraped off and thrown onto the warm silage in the center, where it would soon thaw out. The silage was in perfect condition to the wall. This silo was built under the direction of Prof. Hine of the Agricultural college. I also examined four wooden silos and on the north side of each, next to the walls, there were from 8 to 10 inches of frozen silage, and on the south side about 4 inches were frozen. This proved to me that the thicker the walls the less danger there would be of freezing.

Bennington, Kan. H. J. Quinn.

Satisfactory as Feed for Sheep.

Mr. Editor—I have had nearly two years' experience in feeding silage and to my mind the silo is the best and cheapest way in the world to double the size of your farm. My experience has been mostly in feeding silage to sheep and this has been entirely satisfactory. A neighbor fed cottonseed meal, alfalfa hay and silage to his fattening cattle and it made an excellent ration. This feed put 2½ pounds of average gain per day on his steers for a period of 70 days. They were sold February 1 of this year and averaged 1,200 pounds.

Oswego, Kan. Charles S. Perkins.

A "PIONEER 30" In North Dakota.

There are a great many "Pioneer 30's" in North Dakota, all of them doing wonders for their owners. Right here we want a "Pioneer 30" owner and operator to tell you about his success and why he believes the "Pioneer 30" is superior in every way to any other tractor on the market. This letter tells the story. Read it carefully.

LOERCH LAND AGENCY REAL ESTATE AND FARM LOANS

Steele, N. D., February 6, 1912.

Pioneer Tractor Mfg. Co., Winona, Minn.

Gentlemen:—Having bought one of your "Pioneer 30's" during April, 1911, to use as a farm motor on our different farms in Kidder county, North Dakota, I thought that you would be interested in knowing the amount of work we did and what we think of the "Pioneer 30" by this time.

As you know we did not receive our engine until late in April and started the engine on one of our farms on the 28th day of April. We plowed 760 acres for spring seeding, pulling 10 plows and a large harrow, 300 acres of this plowing was plowed to a depth of nine inches. We considered pulling ten fourteen-inch plows to a depth of nine inches and pulling a sixteen-foot harrow at the same time, hitched by long chains, causing the drag-beam or draw-bar of the harrow to float the ground was quite a stunt for even a 30-horse engine to perform. During the spring seeding time we seeded 1200 acres, pulling three

Pioneer 30

eleven-foot drills and three twelve-foot packers. After seeding, we put the engine to work hauling bridge material for the new railroad, then building through the northern part of this county. The length of our haul was 22 miles and we made the round trip in a day and a half, and the loads we hauled was a great surprise to everybody, especially to the bridge contractors who were operating a gasoline engine, hauling bridge material on their own hook. From this job we started in threshing, using a 36-inch Peerless Separator with self-feed weigher and blower. We threshed for sixty-two straight days, during which time it was necessary to thresh a great amount of wet grain. Both separator and engine was a great surprise to all the people, as both pieces of machinery did perfect work.

During threshing it was unnecessary to accompany the rig with any horses which greatly pleased the farmers. What pleases us more than any other thing is the fact that we had no trouble with the engine or separator. In settling up our bill for repairs with you this fall we paid you \$11.28. We consider the gas consumption for plowing, seeding, hauling and threshing very light for the loads that we pulled. We also find that we did not need a water tank or a wagon full of barrels to haul water as on warm days, plowing with a heavy load for fifteen hours, it only required six quarts of water.

We are satisfied that we were fortunate enough to get the best gasoline tractor made in America and cheerfully recommend your engine to all intending purchasers. Yours very truly,

Loerch Land Agency (Signed) JNO. C. LOERCH.

Now it's up to you. Investigate, fill out the coupon and mail today for our bulletins—they tell the story of "Pioneer 30" superiority.

Pioneer Tractor Mfg. Co.

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PIONEER 30 PULLING 10 PLOWS AND HARROW
LOERCH LAND AGENCY, STEELE N. DAK.

FREE TO POULTRY RAISERS.

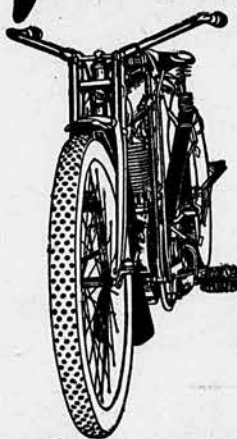
Great Book of Money-Making Poultry Secrets—Given to Mail and Breeze Readers.

The well-known poultry authority, Mr. Reese V. Hicks, has written an intensely interesting and practical book that should be in the hands of every person interested in raising poultry for profit.

This book is "Tricks of the Poultry Trade"—the one different, desirable poultry book of the year. Among the many valuable secrets found only in this book are the following: Three methods of selecting the laying hen; A sure and certain method of selecting eggs for hatching; How to raise 500 chickens on a lot 30 by 40 feet; How to build a natural hen incubator; How to build feed hoppers and fireless brooders; How to make feed at 10 cents a bushel; How to make winter egg ration, poultry feeds and tonics, egg preserver, louse killers; How to grow pullets that lay young and make a large egg yield; How to handle incubators to best advantage; The trick of securing more pullets than cockerels; How to tell age of eggs and fowls; How to prevent lopped combs.

All these and many more subjects—too numerous to mention here—are fully covered in this great book. It is big value for two dollars of anybody's money—but we're giving them away FREE on this plan: We will give you one year's subscription to Farmers Mail and Breeze, one year's subscription to Poultry Culture, the best poultry journal in the West, and one copy of this great book of poultry secrets—all for only \$1.25. State whether you are an old or new subscriber. Address at once, Arthur Capper, Publisher, Topeka, Kan.

Ride and Sell the Yale



Every prosperous agricultural district offers big opportunities for Yale owners to act as our agents. Write today for our liberal proposition.

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Always a leader, the Yale today is especially prominent by reason of the fact that it has the maximum number of real 1912 improvements. Some of these may be had on the Yale only; no other motorcycle can give you all of them.

Study the Yale's Long List of Good Things

More drop forgings than any other motorcycle; the Y-A Shock Absorber "that Absorbs the Shock;" 2½-inch Studded Tires, Auto Fender Mud Guards, Eclipse Free Engine Clutch, Full High Forks, Eccentric Yoke, Triple Anchored Handle Bars, Muffler Cut-Out, comfortable saddle position and Mechanical Oil on Twins.

Yale 1912 literature, describing the four new Yale models:—4 H. P. to 7 H. P. Twin is ready—ask for it.

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Some men never reach the top because the elevator isn't running.

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Every farmer who has Cyclone Farm Gates takes a conscious pride in that fact. He knows that he has made a good investment and saved money, and that every other farmer respects his good judgment and progressive spirit.

This pride and satisfaction constitute the real value of Cyclone Gates even more than the fact that they add ten times their cost to the value of his place.

Cyclone Farm Gates are made to use—to stay in commission under the heaviest service, resist crowding stock or vicious animals and always work smooth and easily. Frame made of large size high carbon tubular steel; fabric extra large, heavily galvanized wire closely woven. Dependable and absolutely guaranteed. We make a full line of Ornamental Lawn Fence. Cyclone Fence and Gates are an investment that pays. Books Free. Write today.

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Silage in Sheep Feeding

Results Are Excellent if it is Fed Judiciously

Mr. Editor—We are feeding 3,100 lambs at this place and 240 ewes. The ewes are in a pen by themselves and all feed given them is kept track of so when fattened we will know exactly what they have eaten. They are now eating 2 1/2 pounds of silage, 1/4 pound of cold pressed cake, and 3/4 pounds of alfalfa. The night of the 14th was the first corn they have had in 30 days and we intend to run them up to about 1/2 pound each day. The man feeding these sheep has fed 14 years, and says he never fed a bunch that you could start to compare with this one so far as gain in weight is concerned. They pretty near break their necks when turned in to the feed.

There is another bunch here of 7,500 head, and the people feeding them are simply wild over silage. They have fed 10,000 to 12,000 sheep for a good many years, and now claim they have lost several thousand dollars by not having silos.

Another man is feeding 1,800 head and he feels the same as the above.

Cairo, Neb. J. E. Cox.

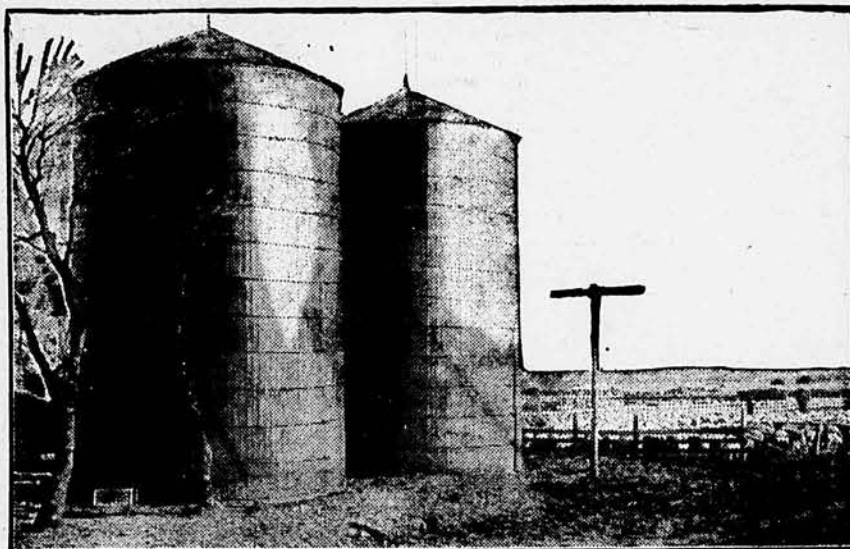
Feeding of Silage to Sheep.

As an experiment I built and filled a silo in the fall of 1910. I had a flock of 1,500 ewes at the time which began lambing about January 1, 1911. We then fed a ration of 1 pound silage, 1/2 pound bran, 1/4 pound rolled oats, 1/4 pound linseed cake, and all the alfalfa and

tried it has been that the feeders have tried to make it the main part of the ration. It should be always fed in connection with good, bright hay and some grain. Silage made from well matured corn is superior to that made from corn in an immature state. Joseph E. Wing has successfully used silage in his lamb feeding, but he makes the reservation that it must be used judiciously and as stated before serious results were apt to follow if this was used as the exclusive ration for breeding ewes. He makes the general statement that silage should never form more than half the rations and he believes if this rule is observed and the silage is made from well matured crops, no bad results will follow its use.

The Ohio Experiment station lost some lambs from eating silage but this was attributed to the carelessness of the feeder. The lambs had been in an experiment, the results of which were exceedingly favorable to the use of silage. During the spring after the experiment proper had been closed the lambs still were being fed the silage. Because of the warm weather prevailing at the time the silage was not fed rapidly enough to prevent some spoiling and to this fact was attributed the loss of a few sheep.

From Mr. Blastock's correspondence I do not see that he has made very much of a case against silage. In flocks of sheep as large as this it would be nothing unusual to have something occur



SILOS WHICH ARE FURNISHING FEED FOR MR. COX'S FLOCK.

clover hay they would eat. The middle of March ewes and lambs were transferred to rye pasture but as it was short they still received the same allowance of trough feed. One day I noticed a ewe off by herself and on trying to drive her up she would continually move about in a circle. I first thought it was "gid" or "grub in the head" but when she died no grub was present. Then the lambs 4 and 5 months old began to be affected in the same way. I lost 10 ewes out of 10 affected and out of 21 sick lambs I saved only one. Every sheep and lamb affected was given a strong dose of Epsom salts and bled. But as it happened this one lamb that was saved would not bleed freely on account of the incision not being made in the right spot. This in brief, has been my experience in feeding silage to sheep. The corn was dented when I cut it for the silo and I gave the silage a fair trial, carefully picking out all spoil silage before feeding.

Donerail, Ky. R. S. Blastock.

[Mr. Blastock's experience was referred by Farmers Mail and Breeze to Prof. Wheeler, specialist in animal husbandry in the college extension service at Manhattan, for his opinion of the cause of the trouble, as sheep feeders in northern Kansas have had unfavorable results which they have suspected were due to feeding silage. E. E. Hazen the sheepman of Hiawatha, Brown county, who secured this report from Mr. Blastock, suspects the trouble may be due to over-fermented or spoiled silage and is investigating these reports. Prof. Wheeler's answer follows.—Ed.]

Probable Cause of the Trouble.

A good many breeders are successfully feeding silage to sheep. It has been used both for breeding herd and in the fattening of lambs for the market. Some complaints have been made as to the effect of silage on sheep but the general opinion of most sheep men who have

which might cause the sickness and death of 10 head. We might from the facts given, draw the conclusion that the sheep died as a result of a bleeding since the only one saved was not properly bled.

G. C. Wheeler.

Manhattan, Kan.

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Beef Making With Silage

BY G. C. WHEELER
Extension Service Kansas Agricultural College

It was the ranch that put the beef farmer of the corn belt out of business 25 years ago, says Prof. Wheeler. Now the ranches have gone the silo has come to make beef production again profitable in the corn belt and there never was a better time to engage in it.—Editor's Note.

The time certainly is at hand when the cattlemen of Kansas should begin to recognize the great possibilities in the production of beef by the use of corn and Kafir silage. Experiment stations have been unanimous in reporting the great economy coming from the use of silage in beef production. The profitable use of cottonseed meal, in connection with silage has been thoroughly demonstrated by station tests. This opens up a most profitable method of bringing a large amount of fertility to our corn lands from outside sources.

The use of silage as a summer ration has already been largely adopted by dairymen. This use is just as well adapted to the production of beef. Enough silage to feed a cow can be grown upon a fourth of the area required to furnish sufficient pasture for a single animal. In the recent Livestock Number of Farmers Mail and Breeze, under the head, "Beef on High-Priced Land," will be found a report from C. S. Nevius of Chiles, Kan., which every livestock farmer in the state should read. This report on the use of silage in beef production is almost a duplicate of many similar ones which have come to the writer of this article.

If you would produce beef profitably on high-priced land, first supply yourself with the very best type of beef animals of the quick-maturing baby-beef kind; then get a silo and begin to convert into cash this great waste which is occurring upon every corn belt farm in the state.

Dairymen have long recognized the importance of the silo in enabling them to utilize their cheap rough materials. It is only within recent years that the farmers desiring to use beef animals to help them turn the wastes of the farm into cash have taken up the silo as an aid to their business. It has been found that what was good for the dairy cow was equally good for the beef steer and his mother. A few of the beef men on the high-priced corn lands of our country are beginning to take courage. The last census shows a decrease of 6.8 per cent in beef cattle in the United States and an increase of 21 per cent in population. The ranch industry, which was responsible for putting the beef farmer of the corn belt out of business 25 years ago, is gradually becoming more and more circumscribed each year. With the demand for beef increasing in the face of a diminishing supply, the future begins to have a brighter appearance to the corn belt farmer, who has begun to appreciate the possibilities of the silo as an aid to beef production upon his high-priced lands. The position which silage must take upon the stock farm of the near future is admirably set forth by Prof. W. A. Henry in his splendid book entitled "Feeds and Feeding."

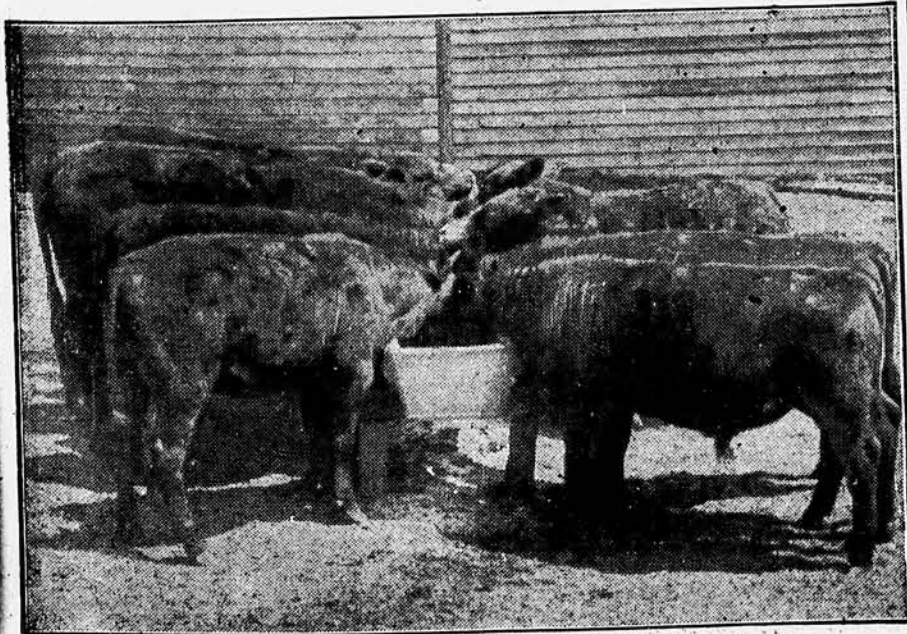
"The silo and its products," he writes,

"are now fixed factors of vast importance in American agriculture. Old-style farming, where corn is planted for the grain only, the forage being wasted, and where straw stacks slowly rotting in the barnyard show that grain-production dominates, has no place for the silo. There should be no thought of the silo on such farms until the present wastage is properly conserved and more mouths are waiting for feed than the system of farming in vogue will support. On too many farms stock cattle barely hold their own during the winter. This means that for half of each year all the feed consumed goes for body maintenance, returning nothing to the owner, and serving only to carry the animals over winter and to pasture time, when they once more begin to gain in weight and thereby really increase in value. By the use of corn silage, combined with other cheap roughages, young cattle can be made to gain steadily all winter at small cost, so that with the coming of spring they will not only have increased in weight but are in condition to go on pasture and make the largest possible gains.

"On farms heavily stocked with cattle, where everything already raised finds mouths waiting and demanding still more, the owner will find Indian corn and the legumes his best crop allies. Heavily manured land will yield enormous crops of corn forage carrying much grain, and this, utilized in part as dry forage but mostly as silage, will materially extend the feeding powers of the farm in roughage rich in carbohydrates. Then let Red clover, alfalfa, cowpeas, vetch or other legumes be grown to furnish a protein-rich dry roughage. With an abundance of corn silage, corn stover and legume hay, the stock man has then to supply his cattle with only the minimum of rich concentrates which he must either grow or purchase, and so the cost of producing meat and milk is cut to the minimum, while the number of animals the farmer will carry is greatly increased. By growing corn for silage and the legumes for hay, the number of cattle which a farm can carry may often be doubled, to the great advantage of both land and owner."

Every great industrial business has found it necessary sooner or later to look more closely to the utilization of the various by-products of the business, and with the increase in land values and other changes in agricultural conditions, the corn-belt farmer has found that his business is no exception to this general rule. The corn grower can no longer ignore the resources locked up in the stalk of the corn plant and the other crops which must of necessity enter into every successful rotation. He may have read and heard from time to time that

(Continued on Page 27.)



"GOING FOR IT"—MAKING BABY BEEF WITH SILAGE.

Feed LEWIS' Lye to Your Hogs

Feed Lewis' Lye—not just lye—but *Lewis' Lye*, because *Lewis' Lye* is best for the hogs. Now when we say it is best we are not simply making a claim. We are stating a fact which thousands of hog-raisers know and say is true. You ask why it is best? Well this is why. Because it is the purest and strongest and most uniform lye made in the world. If any one questioned this statement we would prove it. This greater strength, greater purity and greater uniformity makes it the safest, surest preventive of hog cholera and worms.

Use a little Lewis' Lye in your hog feed regularly, and keep cholera and other diseases away from your drove. Keep your hogs fat and healthy. Lewis' Lye will do it. It does do it. Has been doing it for nearly half a century.

The Value of Lye in Hog Feed

rests entirely in the potash (or lye) contents. Every farmer knows and has always known that wood ashes are good for his hogs. It used to be that nearly every farmer fed wood ashes to his hogs, but the progressive and intelligent farmer today knows that pure lye is the one product which gives him the element found in wood ashes and needed by the hogs and he knows that it is more convenient to use and more beneficial to the hogs.

Now then, the only possible difference between one kind of lye and another is the difference in their strength, purity and uniformity.

Through all our years of experience in the manufacture of lye and with all the resources we have had to work with, it is only natural that we should have developed the best manufacturing processes; it is only natural that we should have learned how to make the strongest, purest and most uniform lye in the world and we have learned how and we are making the strongest and purest and most uniform lye in the world and that is the only reason we can come to you and say that Lewis' Lye is the best lye to use on the farm, whether for feeding hogs, making soap or for any other purpose.

Lewis' Lye is NOT specially prepared for hogs, nor specially prepared for soap making nor for any other one of its several uses, and let us here clearly, definitely and finally wipe out any impression which may have been created in your mind by the statements of some packers of advertised lye to the effect that they prepare by "secret processes" a "special" lye for use in feeding hogs.

There is no special lye for hogs.

If there were any reason for making a special lye for hogs or if there were any way of making a special lye for hogs, the Pennsylvania Salt Manufacturing Company would have marketed such a product long years ago. We could have prepared a special label for hogs but the contents of the can would have been just simply Lewis' Lye—and that's all you want for your hogs.

You want the best lye your money can buy. That means that you want the strongest and purest and most uniform lye, the lye that's always the same, whose high quality never varies, the lye whose makers back it themselves, put their name on the package and stand back of it as a guarantee of its superiority, and there is just one lye that answers to that description. It's Lewis' Lye, standard for half a century.

Read the instructions for feeding Lewis' Lye to hogs—one quarter can to every barrel of feed. Now read the instructions on the "Specially prepared secret process" lye for hogs—"One-half can to a barrel of feed."

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Ten Eyck's Replies

TO FARM QUESTIONS

Conducted for Farmers Mail and Breeze by
A. M. TenEyck, Superintendent Fort Hays
Branch Experiment Station, of Kansas
Agricultural College.

Will Old Corn Do for Seed?

I should like to know if corn raised in 1910 would be all right for seed corn in 1912? It has been kept in a dry bin and well cared for.—R. M. M., Clinton, Okla.

The 1910 corn which has been well cared for is likely to be good seed for 1912 planting, but I should advise to prove its vitality by a germination test. Preferably test the germination of several kernels on each ear, according to the plan described in Bulletin No. 139, a copy of which I am mailing you. If this corn was shelled a year ago, its vitality is likely to be somewhat more impaired. A germination test will show. If it is not too low in germination you may plant it but plant thicker, according to the vitality of the seed.

A. M. TenEyck.

Sowing Rape for Hog Pasture.

When is the best time to sow rape for hog pasture? How many pounds of seed are required for an acre? How does rape stand hot weather?—J. S. R., Inman, Kan.

Rape may be planted any time after spring opens until midsummer. If the soil conditions are favorable it will make grazing for hogs in about six weeks or two months from seeding. The seedbed should be clear of weeds, well pulverized, well settled and well supplied with moisture. The better plan is to plant in rows 3 to 3½ feet apart and give some early cultivation. On clean, fertile soil, broadcast seeding may give great results. Sowing broadcast or in close drills requires

Anyone who keeps as many as 8 to 10 cows cannot afford to be without a silo.—O. E. Reed, dairyman, Kansas Agricultural college.

4 to 6 pounds of seed per acre. Half that amount is sufficient for planting in rows. Rape is not a good drought-resister. It succeeds well only on fertile, well-watered land, but it may be grown successfully and profitably under dry-farming conditions, if proper care is taken to store and conserve soil moisture and put the seedbed in good condition before planting. I am mailing circular letter giving other information on this subject.

A. M. TenEyck.

Difficult to Grow "Salt Bush."

I should like to know if any Kansas farmers have ever tried "Australian salt bush" on "worn out" land and with what success?—G. K. M., R. 10, Emporia, Kan.

Australian salt bush has been planted both at this station and at Manhattan without success. We have not even been able to get it started. Perhaps our methods were wrong, or our climate or soil conditions are unfavorable. The salt bush as you know is a tropical or semi-tropical plant and hardly adapted to a temperate climate. I shall be pleased to hear from any farmer who has tried this plant. I am mailing circular giving further information.

A. M. TenEyck.

Replacing Winter-Killed Wheat.

The prospects for a wheat crop on the Verdigris river bottoms are very discouraging. A great number of fields seem to be entirely winter-killed. What do you think of sowing flax where the wheat is killed out? The soil is very fertile and I am of the impression it will grow too rank. Seed oats are scarce and of a very poor quality and I am thinking of having flax sown. Can we follow up a flax crop with a wheat crop?—C. A. Z., Independence, Kan.

I regret to learn that the wheat has been badly winter killed in your locality. I hope the condition is not general in eastern Kansas, little or no injury from this cause has been observed in western Kansas.

I think you would find corn, Kafir corn or cane to be more profitable crops than flax or oats on the fertile soil of the Verdigris river bottom. However, flax is not likely to prove an unprofitable crop. It is not so likely to grow too rank and lodge as wheat or oats, and flax usually makes a fair crop in eastern Kansas. Then I believe you have a ready market for your flax seed at the Fredonia Flaxseed Oil mills. This firm also will doubtless be able to supply you with good flaxseed to plant.

If the wheat is not entirely killed out

you may have to take some pains in disking thoroughly in order to destroy the wheat, but you should not loosen the soil too deeply, since flax should be planted shallow, not over 1½ to 2 inches deep in the furrow, and covered with an inch or less of mellow soil, or a half inch of firm soil, as left by the drill press wheels.

Really, simply harrowing this wheat ground if the wheat is all dead will make an ideal seedbed for flax. Or if you have a surface cultivator with blades or knives which can be run shallow and thus cut up the wheat, such cultivation will be better than disking which is apt to loosen the soil too deeply. Winter wheat may follow flax with good results. But plowing should follow the flax harvest as soon as possible. I am mailing circular letter giving further information about flax culture.

A. M. TenEyck.

Grasses for a Weedy Slough.

I have a slough which I have fenced making a lane leading from my buildings to my cow pasture, which I would like to seed to some grass that would make a permanent pasture—Kentucky bluegrass and White clover preferred—if you think that best for this part of the state. This slough runs between two fields and considerable soil has washed from these fields making a very rich black soil, but at times it is very wet for six weeks or two months. I want some grass or grasses that in time will make a permanent pasture, hold the soil, and keep down the weeds.—H. W. S., Saffordville, Kan.

Kentucky bluegrass and White clover are probably better adapted for the conditions which you describe than other grasses. However, it will be advisable to sow a combination of grasses in starting this pasture, in order to produce a sod quickly and also secure more grazing. Redtop is well adapted to the wettest part of the draw. While orchard grass and Bromus inermis will grow well on the higher ground and will quickly establish a sod which will protect the soil from washing and tramping.

You may also include a little Alsike clover to add richness to the forage and fertility to the soil.

Kentucky bluegrass starts slowly. It takes it two or three years as a rule, to get well established, but if seeded with the other grasses it will generally thicken up, as the other grasses die out, and finally the bluegrass and White clover will largely take the whole ground, except perhaps the wettest portion, where the redtop will likely remain.

For the lower land, sow 10 pounds each of redtop and Kentucky bluegrass with 4 pounds of Alsike clover and 1 pound White clover per acre, also include a little orchard grass. For the higher land, sow 8 pounds each of orchard grass, Bromus inermis and Kentucky bluegrass, with the amount of clover named. Sow as early in the spring as the soil can be put into favorable seedbed condition.

Some care will have to be taken to prevent the cattle from tramping out the grass or grazing it too closely the first season. Also when the ground is very wet, passage ought to be made for the cattle on higher ground so that they will not cut up and "poach" the wet soil, thus ruining the sod and destroying the grasses. I am mailing Bulletin No. 175 on "Grasses." A. M. TenEyck.

Dry-Land Crops For Logan County.

I had broken and sown to cane seed in June of 1910 80 acres near Winona, Logan county. In the fall of that year it was sown to wheat. Because of the drought each year no crop has been raised. Would it be necessary to have the land plowed again this spring before sowing seed of any kind? Do you think that present weather conditions would justify planning to seed the land again this spring? Could the Experiment station furnish me with tested seed of some drought-resisting variety? What crop would you advise me to try?—N. R. L., Stockton, Kan.

Cane, Dwarf milo, and Kafir, are three drought-resistant sorghums and standard crops which are better adapted for growing in Logan county than any small grain, except perhaps winter wheat, when it is sown under favorable conditions as on summer fallow. It may be advisable for you to summer fallow a part of this land and prepare it for wheat. However, the conditions look very favorable now for a crop next season. There is a good sale usually for cane seed and I think considering the fact that you will sell your crop and not feed it, that cane will be your safest

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TWO-PLY	... Weighs 45 lbs.,	108 Square Feet,	\$1.30 per roll.
THREE-PLY	... Weighs 55 lbs.,	108 Square Feet,	\$1.50 per roll.

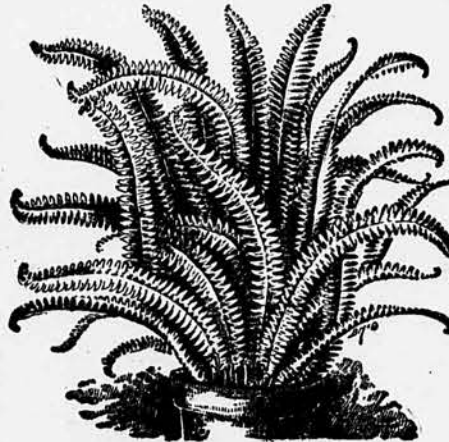
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FOUR BEAUTIFUL FERNS FREE!



Why not make your home more beautiful by the use of beautiful, charming ferns? Other homes have them and every woman loves them. They will thrive in any dwelling room near a window, require almost no attention except a little sprinkling of water every few days, and will lend a charming, decorative effect to your rooms. We have a superb collection of the most beautiful and popular ferns ever known for house culture, namely, the BOSTON, WHITMAN, OSTRICH PLUME, ELEGANTES-SIMA, SCOTTI, and SPRENGERI PLUMOSUS LACE FERN. We will make you up a set of four of these beautiful decorative ferns, and send them to you, all charges prepaid, if you will send us only 50 cents to pay for a 6 months' subscription to my paper. We have secured these ferns from one of the largest growers in the world, they will be packed carefully and shipped in splendid condition, so that they will reach you in just as good condition as though you had just received them from a greenhouse. Send only 50 cents, stamps or silver, for a 6 months' subscription to my popular paper and we will send you your choice of any four of these beautiful ferns, charges prepaid. Don't delay. Address at once.

FARMERS MAIL AND BREEZE, TOPEKA, KANSAS.

Splendid Coffee Growths



blended to bring out the full richness of the fragrant berry, roasted to the exact point of perfection, scientifically cooled—then into the box that keeps the strength till it reaches you. That's

tone's OLD GOLDEN COFFEE

The blend that makes the most entrancing of cups—rich, aromatic, satisfying. See that the seal is unbroken. Just ask your grocer.

30c A POUND

tone Bros., Des Moines, Ia.

There are two kinds of Spices, tone's and "others"

Ship Your Hides and Furs

In any quantity, large or small, to the oldest and largest consignment house. Established 1870.

We originated this plan for handling hides and furs in this field—have made it the special feature of our business for years, and have developed the best outlets in this country. We understand the requirements of the shipper, and send quickest returns at top prices.

HIDES

Our service from any angle is the best in the business. Satisfactory results assured. Write today for tags and our full classified price list, with much information which will keep you thoroughly posted. We mail it regularly and it's free for the asking. We can satisfy you—try us.

M. LYON & CO.,

226 Delaware St., KANSAS CITY, MO.

Wind Mill \$29.70 and Tower

Complete with Anchor Posts

Sold Direct At

Manufacturer's Prices

Also Full Line of

Pumps, Windmills, Pipe, Plumbing

Goods, Water Works Systems and

Lighting Plants.

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Missouri Water and Steam Supply Co.,

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The farmer who does not use Ready Roofing is wasting money—

Certain-teed Roofing

—the big money saver

When buying roofing you should consider carefully these two points—quality and price. **Certain-teed Roofing** means quality certified and durability guaranteed—a better roofing for less money, fully guaranteed for fifteen years.

Millions of rolls in use on farm buildings today

You do not need to take our word as to the quality and durability of **Certain-teed Roofing**

—there are millions of rolls of it in use today and our sales are increasing at a tremendous rate. One trial will convince you. It is made in rubber shingles as well as rolls—on each roll or bundle we paste a **Certain-teed** label for your protection.

You can get **Certain-teed Roofing** from your local dealer—at least give it a trial. Send today for this valuable free book AL-3



GENERAL ROOFING MFG. CO.
York, Pa. Marshall, Ill. East St. Louis, Ill.
Minneapolis San Francisco

and most profitable crop to plant next spring.

L. A. Jordan of Winona is especially interested in promoting the growing of cane seed in that section of the state. He can supply you with seed of the variety which he prefers to have grown and which he can use to supply the market in the southern states. This is a type of cane called the Black Amber. It is early and a good seed producer. We have no seed for sale at this station, but I am mailing list of growers who can supply seed.

Spring wheat of the durum type may produce fairly well in Logan county, but barley is a safer crop and the sorghums are preferable to either.

It is not necessary to plow this land this spring, but I would advise disking the ground early and perhaps repeating the disking, to destroy weeds and conserve the soil moisture. Or better yet, list the ground into furrows and ridges early this spring just as if you were planting. Then harrow once or twice, after heavy rains, which will partly fill the furrows, conserve the moisture and kill the weeds. When time to plant, split the ridges with the lister, or if the soil is not too wet, list again in the old furrows, throwing out the soil which the harrow has rolled into the furrow. Do not cover the seed too deeply.

If you summer fallow a portion of this land, it may well be listed early this spring, leveled with the harrow and plowed crosswise of furrows, about June or July, and thereafter given enough cultivation with the disc and harrow to keep down the weeds and prepare a good seedbed. In this way you will insure the production of a good wheat crop in 1913, barring accidents, while wheat is not likely to produce much after cane. The cane ground however, should be summer fallowed in 1913 and thus prepared for wheat in 1914, while the 1913 wheat ground may be planted in cane in 1914. I am mailing circular letters and dry-farming pamphlet, giving further information on this subject.

A. M. TenEyck.

Beef Making With Silag

(Continued from Page 25.)

40 per cent of the feeding value of the plant was in the stalk, but as there was no cash market for it, he was content to sell the grain part of the crop and neglect the fodder, at times even burning it up and so losing all its value to the soil from a humus standpoint. The exploitation of the great free ranges for beef production had made it impossible for him to use profitably the chief animal available for converting this material into something worth good cash on the market. Cattle, whether beef or dairy, and sheep must ever be looked to as the only means for converting into cash a large proportion of the material grown upon every corn belt farm. The greatest problem at the present time confronting the corn belt farmer is that of so managing his operations as to utilize these rough feeds to the best advantage possible. Stalk fields must return more than 40 to 50 cents per acre in these days of high-priced land. The livestock capacity of the farms must be increased, for in no other way can the producing power of the soil be so easily and cheaply conserved.

Looking for a Warm Place.

One day during the cold spell of last January a German from Milwaukee, Wis., was riding on the Hill City or Lincoln branch of the Union Pacific railroad in Kansas. The town of Paradise is on this line. The German afterward remarked: "Vat kind of a country is this, nohow? Ven the drain reached one town, the brakesman yelled Paradise and no one gets off. Purty soon he yelled Hell City and everybody gets off. Guess everybody is colt."

A high grade, guaranteed durable live rich red barn paint is sold by the Sunflower Paint & Varnish Co. of Ft. Scott, Kansas, direct to the consumer at only 85c per gallon in 5 gal. cans, freight prepaid. This is a paint proposition worth considering by every farmer. This is a reliable company and now is paint season. Try this paint.

The correct mating is 8 to 15 hens for each cockerel. The smaller the breed the more hens may be allowed with each rooster.

Diamond TIRES

MADE TO FIT EVERY TYPE AND STYLE OF RIM

WHEN you buy farm land, you value it by the amount that each acre will produce for you in marketable crops. The size of a piece of property or its price are secondary to the amount of profit you make from it.

The up-to-date farmer must buy his automobile tires on exactly the same basis. It is the number of miles that a tire delivers that proves its value, and the tire that gives the most miles for the money is the tire you should buy. Buying tires on a Quality and Service basis means buying Diamond Tires.

Diamond Tires are not the cheapest tires on a price basis, but they are the cheapest on a Quality and Service basis, and that is the only economical basis on which you can buy tires.

The difference in price between Diamond Tires and others is slight; the difference in Quality and Mileage is Great. That's the reason that Diamond Tires have been the largest selling single brand of Tires in the world—year after year for fourteen years.

No matter what car you own, no matter what its style of rim may be, there's a Diamond Tire to fit every style, type and size of rim.

If you are about to buy a new car, insist that it be equipped with Diamond Tires before you place the order. The car will cost no more with Diamonds than with cheap tires.

Remember—the car maker does not guarantee the tires on the car he sells you; his responsibility ends there but yours begins.

There are Diamond dealers everywhere—there's one near you. And Fifty-Four Diamond Service Stations that take care of Diamond tire users. If you don't know who is your nearest Diamond dealer, write for our 1912 catalogue. It's Free.

The Diamond Rubber Company

AKRON, OHIO

Until June 1st Only 10 cts.

Mail and Breeze Special Trial Rate

(Cut out this coupon and return it at once.)

ARTHUR CAPPER, Publisher Farmers Mail and Breeze, Topeka, Kan.

Dear Sir—Enclosed find 10 cents for which send the Farmers Mail and Breeze until June 1, 1912, according to your special trial offer to the following address. This is a new subscription.

Name

Postoffice

R. F. D., or Street or Box No.

State Date

Galloway Opens the

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The Rush is On

The smoke is belching from my factory chimneys day and night and there is a never-ending stream of Galloway Engines, Galloway Spreaders and Galloway Cream Separators pouring daily from my factory doors direct to the farmers everywhere. Nothing like it has ever been experienced in the whole history of our business which has grown in less than 10 years from a little one-horse factory, making harrow carts to the present wonderful string of factories just as pictured above and doing a business now of almost \$3,000,000.00 annually.

WM. GALLOWAY
President, Wm. Galloway Co
Waterloo, Iowa.

Quality Has Done It!

Yes, sir, Quality! Quality alone could be responsible for such wonderful success. My method of selling direct from factory to farm, with but one profit added to cost of material and labor, even plans, could never build up such a business without the highest quality of merchandise to back it up. The farmers have sat in the jury box with Galloway on trial, and the result has been an unqualified endorsement of the "Great Galloway Line," which is now recognized everywhere as the highest standard of excellence where both quality and price is considered.

Look at the Endless Chain of Machines

Pouring from my factory doors. This picture represents the daily capacity of my big factories that are kept busy day and night supplying high grade Agricultural Implements to the farmers and dairymen all over America and even most of the foreign countries. You can't stem the tide. Orders are coming in by the basketsful, and the best of it all is, we are prepared for the rush! We are filling all orders promptly and without delay, so right now is the time to get your orders in and be prepared for the work you have to do the minute Spring opens up.

Read Every Word on the Opposite Page. Don't Miss It!

It means a big saving to you in both time and money and is just another example of the progressive policy of the Wm. Galloway Co. and the care they take of the needs of their friends, the farmers.

Wm. Galloway

The Wm. Gall

Good Gates to Kansas Deliveries From Kansas City

We have Big Warehouses at Kansas City, Council Bluffs, St. Paul and Chicago, and Will Ship the Following Goods f.o.b. PROMPTLY From These Points.

NE! NOTICE!! NOTICE!!!

and at considerable saving in freight charges, the lines of our biggest sellers, a list of which is given below. This list is very complete and meets what we have found to be the demand of a big majority of our customers. For instance, our 5 H. P. Engines and all larger sizes are equipped with batteries and magneto, which adds \$10.00 to the price, so if you want these engines without magneto, they will have to be ordered from Waterloo, or you will have to wait a few days until we make our next shipment to our warehouse. However, Waterloo is so centrally located to all points in Kansas that the difference in time and freight rates is very little. For example the through freight rate on a 5 H. P. Waterloo to Oklahoma City is \$1.30 per 100 pounds, while from St. Louis the rate is exactly the same. Same rule applies to many other points.

But remember your order must be sent to our General Offices at Waterloo.

Gray Self-Oiling Pump Jacks

feature makes them run easier and last longer than of Jacks. That means more water with less power.

No. 4	No. 5
\$6.25	\$8.50
F. O. B. WATERLOO OR KANSAS CITY	F. O. B. WATERLOO OR KANSAS CITY
WILL RUN 6 MONTHS WITH ONE OILING.	WILL RUN 6 MONTHS WITH ONE OILING.
No. 4 Wick Oiling Pump Jack.....\$5.00	No. 5 Wick Oiling Pump Jack.....\$5.00
No. 4 Geared Wick Oiling Pump Jack.....6.25	No. 5 Geared Wick Oiling Pump Jack.....8.50

Gy's Twin Auto-Seat Top Buggy

General-Trimmed. The seller in buggies and gain. That's why we sell in Kansas City, so quick and at the same on the freight line complete description in other big bargains



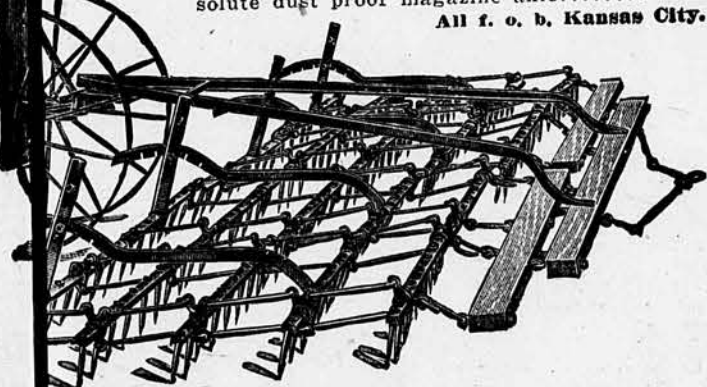
\$65
F. O. B. Kansas City

Galloway's High-Wheel Harrow Carts and New All-Steel Flexible Lever Harrows

Something New and Different.—No Castings to Break.—A Great Success.

Section Lever Flexible Harrows.....	\$10.00
Section Lever Flexible Harrows.....	15.00
Section Lever Flexible Harrows.....	20.00
30-in. Harrow Carts, 1912 Model, with absolute dust proof magazine axle.....	6.00
38-in. Harrow Carts, 1912 Model, with absolute dust proof magazine axle.....	6.50

All f. o. b. Kansas City.



No. 1—Wagon Box Manure Spreader with 30 inch drive sprockets, to fit 38 inch bolsters. Price f. o. b. Kansas City.....	\$ 52.00
No. A1—50 bushel Complete Spreader with narrow tread Genuine Mandt all Steel Gear force feed, mud lugs, whiffletrees and neckyoke. Price f. o. b. Kansas City.....	78.00
No. 5—60-70 bushel Manure Spreader with Mandt's New all steel gear, including force feed, mud lugs, whiffletrees and neckyoke. Price f. o. b. Kansas City.....	84.00
Galloway's 2 1/2 H. P. Water Cooled Stationary Engine with regular 6x4 Plain iron pulley and all other standard equipment. Price f. o. b. Kansas City.....	47.50
Above engine mounted on Galloway all-steel flexible trucks, f. o. b. Kansas City.	
Galloway's Celebrated 5 H. P. Stationary Engine with regular 10x6 plain rim pulley and both magneto and batteries. Price f. o. b. Kansas City.....	110.50
Galloway's Celebrated 5 H. P. Hand Portable Engine with 10x6 Plain rim pulley and both magneto and batteries. Price f. o. b. Kansas City.....	130.50
Galloway's Celebrated 5 H. P. Horse Portable Engine with regular 20x6 Friction Clutch pulley and both magneto and batteries. Price f. o. b. Kansas City.....	162.50
Galloway's Celebrated 7 1/2 H. P. Horse Portable Engine with regular 24x6 Friction Clutch pulley and both magneto and batteries. Price f. o. b. Kansas City.....	244.50

Please note that all 5 H. P. and 7 1/2 H. P. Engines are equipped only with the regular pulley that goes with the Engine. No other sizes can be furnished from the warehouses. All these engines are equipped with magneto in addition to the regular equipment which adds \$10.00 to the regular price.

Which of These Free Books DO YOU WANT?

Or You Can Have Them All If You Wish.

OUR BIG NEW GENERAL LINE CATALOG filled with beautifully colored illustrations describes in detail everything handled by the Galloway Company. This is the most elaborate and expensive catalog ever issued by anybody and we only send it out on request. You should have it, however, as it is a price-maker for all competitors and will save you many dollars on the goods you are going to order this spring. Just fill out the coupon and mail it to us. You will get the big book by return mail and be glad of it.

OUR SPECIAL GASOLINE ENGINE CATALOG is pronounced everywhere as the most complete and valuable book on engines ever published. Besides containing much valuable information on the Gas Engine subject, it describes in detail the full line of Galloway Engines from our 1 1/2 H. P. pumping engines to our 15 H. P. sizes. It also quotes prices that will actually astonish you and such liberal selling plans that make it easy for anybody to have an engine on their place. If you want this book, just check it off on the coupon you mail to us. It will reach you quick.

OUR SPECIAL MANURE SPREADER CATALOG and Latest Revised Price List is now ready and waiting for you. It has been brought right up to date and contains all the information you could possibly ask for on the spreader question. If you will send for this book, we will also send you with it, FREE, Galloway's wonderful text book on manure entitled, A Streak of Gold. This book is rapidly becoming famous and every farmer should have a copy. Just fill out the Coupon and you will get it by first post.

OUR SPECIAL CREAM SEPARATOR CATALOG is a regular Encyclopedia of information on the subject of cows and dairying, and anybody who keeps even a single cow cannot afford to be without a copy for reference. It also illustrates and describes in detail the full line of Galloway's wonderful "Bath-in-Oil" Cream Separators and the tremendous saving we can make you on price. It also tells you all about our five liberal selling plans which enables everyone now to own a Cream Separator.

Now, Don't Delay in Sending for These Books!

Spring is standing right at your back and you want to be prepared early to start right in with all the tools necessary to make 1912 a banner year. These books will save you money on the goods you are going to buy and there is no reason why you should put the matter off till the last minute.

Remember all Galloway goods are guaranteed and sold with the privilege of your money back if not satisfied after from 30 to 90 days' free trial. There must be no dissatisfied customers on Galloway's books. Everybody happy or no deal is the policy we work on and that's helped make our business grow.

MAIL GALLOWAY THIS COUPON

WM. GALLOWAY CO.,
207 J P Galloway Sta., Waterloo, Ia.

Please send me FREE with all postage paid the books which I have checked in the squares below. Also send me any other literature you may have that will prove interesting or profitable along the lines checked.

- ☐ Your New Big Illustrated General Line Catalog.
- ☐ Your Latest Special Gas Engine Catalog and New Selling Proposition.
- ☐ Your Revised Price List and Catalog on Manure Spreaders, together with Galloway's new Manure Book, entitled "A Streak of Gold."
- ☐ Your Special Cream Separator Catalog and Liberal Selling Plans.

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Address.....

R. F. D. State.....

Galloway Company 207 J P Galloway Station, Waterloo, Iowa, U.S.A.

CROPS and FARM WORK

Spring Farm Work is Still Out of the Question and Wet Fields Will Make it Impossible For Some Time to Come—Feed For Stock is Becoming a Most Serious Problem—Fruit is Being Held Back

(Crop Reporting Service of Farmers Mail and Breeze.)

More snow, sleet, rain and cold weather have put spring farm work hopelessly behind, and even should the sun come out bright and warm it would take 10 days to two weeks before one could get into the fields again. Most of the oat crop will have to be put out at corn planting time and just when corn will be planted this spring is still a guess. But when the crops are finally in the ground there should be no suffering for want of moisture to begin with at least, for it has been many a spring since the ground was so full of water.

Another week of stormy weather has brought feeders a week nearer the end of their feed supply and there is perhaps nothing that farmers are worrying over so generally as the feed question. Many communities still have a good supply of feed on hand but prices are so high as to be almost prohibitive to some of the stockmen who happen to be out of feed. Losses of stock have been heavier during the last three weeks than for any other similar period of the winter and should snow continue to cover the ground in western Kansas there will be further loss, say our reporters.

But a late season this spring will not be without its good results. All fruit is being held back and this will greatly lessen the chances for damage by late frosts. Last year at this time early fruits had been in blossom for over a week.

In Morton County, Kansas, there has been some snow on the ground since early November. Five months of snow is a long siege for Kansas.

Wherever there has been any wheat damage late sowings are getting the worst of it.

Corn at 95 cents is quoted from a southeastern Oklahoma county.

KANSAS.

Reno County—We are still snowed in and what feed we have is under snow and ice. Can't tell much about wheat while it is covered with snow. Wheat 97 cents, corn 65, eggs 20, butter 20, hogs \$5.25 to \$5.60.—D. Englehart.

Labette County—Wheat is covered with a blanket of snow. Had no sunshine here all last week until Saturday. Very little oat sowing done and what is out was sown in February. Hogs \$5.80, wheat 90 cents, corn 65, oats 65.—Wilbert Hart.

Atchison County—Snow still with us and roads are almost impassable. Mail delivery is much impeded. Wheat in fine condition. Most farmers are running short on feed and some are shipping in hay for spring horse feed, at \$20.—H. L. McLenon.

Seward County—Rough weather and heavy snow on the ground. Worst snow storm since 1886. Snow drifted into some sheds and smothered cattle. Feed is getting scarce. Roughness \$7 per ton, corn 70 cents, eggs 18, butter 20.—J. W. Rosson.

Cherokee County—Wheat not as badly damaged as thought but some has been frozen. No plowing done yet. Still have snow on the ground. Hogs about all sold out. Stock sells well at sales. Hay \$10 to \$12, corn 65 cents, butter 30.—J. W. Harden.

Decatur County—Wheat fields still covered with snow and more falling nearly every day. Feed about gone. Not much stock in the county except work horses. Everybody is looking for a big wheat crop. Corn 70 cents, eggs 20, butter fat 27.—E. H. Sanford.

Linn County—Have had a long siege of stormy weather with snow still on the ground and more falling every now and then. Feed is getting scarce and spring will be welcome. Wolves are plentiful and farmers are having some big drives.—C. T. Baker.

Pratt County—Have had plenty of snow the last two weeks but most of it is piled up in drifts leaving the open fields bare. Wheat generally looks good. There is still some corn in the fields. Hogs are scarce. Good horses and mules are in demand.—J. L. Phelps.

Gove County—This county has the biggest snow of the winter on the ground and more is coming down every day or two. Drifts are from 3 to 20 feet high. Comparatively warm weather has helped out the situation somewhat. Feed and fuel are scarce. Butter 25, eggs 20.—H. W. Schallie.

Washington County—Had another snow storm a week ago just as farmers had the roads cleared. Mail carriers have been tied up part of the time and movers are making slow progress. A large number of sales had to be postponed. Farmers are all anxious to get to work.—Mrs. Birdsley.

Morton County—Still have a foot of snow on the ground and it has not been entirely free from snow since the first part of November. The recent storms have been harder on stock than those earlier in the winter. Baled hay and oil cake are being shipped in to feed stock. If snow remains much longer stock will suffer heavily. Freight is very

difficult and 75 cents per 100 pounds is being charged. Some stores are completely sold out and provisions are high.—Mrs. Margaret McGee.

Crawford County—Heavy snow still lies on the ground and no farming is possible yet. Stock has wintered well but rough feed is getting scarce. Everybody is tired of winter. Unusual amount of moving this year. Wheat looks poor. Hay \$10 to \$12.50, corn 70 cents, seed oats 60.—O. M. Lamb.

Seward County—The recent snow storms have caused some loss of stock and traffic was tied up for 8 or 10 days. Feed is very scarce and there is none to be bought. If this weather continues there will be further loss of stock. Kafir \$6 per ton, corn \$1.60 per hundred, butter 26 cents.—T. J. Ruehien.

Neosho County—More snow here than for many years and the ground is still covered with about 6 inches of it. We think wheat will come out in good shape. No farming done as yet and we will need two weeks of good weather before we can get into fields. Feed of all kinds is plentiful but in good demand.—E. W. Anderson.

Barber County—The first 10 days of March broke all records here for that time in cold weather and snow. Almost no farming done yet. Wheat and alfalfa look to be all right. Large acreage of oats will be sown. It is hard to make stock hold up during this kind of weather. Hogs are scarce. Corn 65 cents, eggs 19.—G. H. Reynolds.

Wilson County—Ground has been covered with snow since February 20 and still have 6 inches of it. The winter has been hard on wheat and tame grass. Stalks have killed a number of cattle and hog cholera has depleted many herds, also bank accounts. Feed of all kinds is plentiful but high. Stock cattle and good horses are scarce.—S. Canty.

Riley County—Ground is covered with about 15 inches of snow. There will be no chance to work in the fields until the last of the month. Feed is scarce and hard to move. Roads are drifted full of snow and moving has been stopped. This county will have more than enough seed corn for its use. Prairie hay \$13, hogs \$6, corn 65 cents, eggs 18.—R. A. Willis.

Doniphan County—This county has been covered with the heaviest blanket of snow we have had in years. Roads are drifted full and travel is difficult. Not much corn or wheat going to market. The hard winter has taken a large amount of feed for stock. Few sales being held but stock sells well at what few there are. It is impossible to tell the condition of wheat at present.—C. Culp, Jr.

Thomas County—About 18 inches of snow has fallen in the last two weeks. Most farmers are short on feed but no loss of stock reported so far. Wheat in fine condition. Spring grain acreage will be light on account of high prices of seed. Several irrigation plants are to be put in this season. Hay \$17 to \$19, barley \$1.35, oats 72 cents, eggs 20, butter 30.—J. W. Graham.

OKLAHOMA.

Kingfisher County—Have had a week of rain, snow, slush and mud, but no sunshine. Some oats have been sown but no signs of spring yet. The weather is hard on calves, pigs and chickens. Hay and feed are getting scarce.—H. A. Reynolds.

Roger Mills County—Weather has been cloudy and rainy for two weeks and not many oats sown on account of wet ground. Wheat is O. K. Good deal of milo and Kafir will be put out this year. Everybody is expecting good crops in 1912. Hogs \$5.85 to \$5.90.—Hugh Sober.

Canadian County—Weather cold and stormy and we would all like to see the sun shine again. Part of oats have been sown. Feed of all kinds scarce and high. Hay \$13 to \$18, potatoes \$1.60, wheat \$1, corn 85 cents, oats 70, butter 25, eggs 20.—H. J. Earl.

Pashmataba County—Had some fine rains last week and ground is in good condition. Some farmers are sowing oats. Large acreage of fruit being set out this spring. Stock has wintered well considering the high cost of feed. Hay \$14, corn 95 cents, butter 35, eggs 25.—K. D. Olin.

Texas County—Plenty of snow on the ground yet and spring work will be delayed a week or 10 days more. Weather has been very disagreeable the last two weeks. Wheat is damaged more than farmers think. Corn 80 cents, wheat 90, barley 80, cane 84, eggs 14, cream 27.—Frank Free.

Ottawa County—Have had more winter weather here than for many years. Ground is still covered with snow and ice and no farm work is being done. Had more snow on March 3. Oat sowing will be late. Cannot tell much about wheat prospects yet. Stock standing the rough weather well but feed is getting high. Bran \$1.60, corn 65 cents, oats 65, butter 30, eggs 25.—C. R. Jackson.

Beckham County—Weather is bad and have had the worst sleet storm in eight years. Ground too wet to work and little oat sowing done. Mules and horses higher than a month ago and cattle of all kinds are high. Plenty of feed to take stock through in good shape. Prospects for bumper crops of all kinds were never better. Alfalfa hay \$13, prairie \$9 to \$11, hogs \$5.75, corn 75 cents, oats 75, wheat 90, eggs 18, butter 25, butter fat 25.—M. F. Spurlock.

Choctaw County—Ground is well soaked but most farmers are through sowing oats. Oat acreage has been increased 200 per cent. Wheat is looking bad on account of so much cold and freezing weather. About 90 per cent of last year's acreage of wheat is out. Cotton acreage will be cut down about 20 per cent. Horses are bringing a good price and some are dying. No sale for hogs or poultry.

The value of concrete construction depends on the honesty and skill of the builder.

We Are Structural Engineers

with twenty years' experience in cement work to back our technical knowledge.

Silos Built by Us Are Correctly Designed, Carefully Built and Fully Guaranteed.

Our prices are as low as good work can be done and are on a cash basis to the consumer direct. We cannot guarantee that orders received after May 1st will be filled this season, so please order early.

This advertisement will not appear again.

Hopper & Son,

Manhattan, Kansas

DO IT THIS WAY.

Sunflower Wheat and Hay Stacker.

Three Men With a Header and this Stacker Make a Full Crew. A Barge—A Wagon and a Stacker All in One.

Practical in operation; simple in principle and construction. It is a proven success. It carries a regular barge load; is guided by a rudder under control of driver; elevates its load with same team that pulls it; turns square corners, elevates its load on way to stack and dumps at any height up to 22 feet. No backing necessary to lower box. Stack approached from either side or end. Does away with pitching and makes better stacks. Has fork attachment for gathering hay from windrow. Will pay for itself in three weeks time. Write for our circular.

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MAIL & BREEZE, Dept. 6-M, TOPEKA, KANSAS

Feed is scarce. Cattle are high. Eggs 12 1/2 cents.—J. W. Jones.

Washington County—Weather for two weeks past has been stormy and wet. Little oat sowing done and prospects are that acreage will be light. Considerable plowing done for corn. Wheat has been damaged somewhat by the continual freezing and thawing, especially late sowings. Plenty of hay and feed and stock has wintered in splendid condition. Everybody is predicting a good corn crop this year. Cattle bringing good prices, especially cows. Hogs \$5.25, Kafir \$1.10 per cwt., oats 60, corn 75, eggs 20, butter 30.—J. M. Brubaker.

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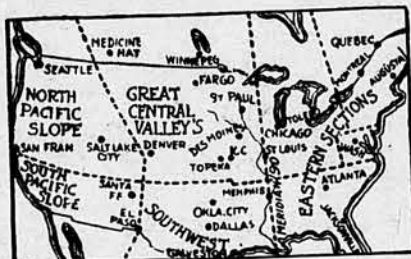
FOSTER'S FORECASTS

SPRING WEATHER IN APRIL.

(Copyrighted 1910 by W. T. Foster.)

To Farmers Mail and Breeze:

Washington, D. C., March 16.—My last bulletin forecasted disturbances to cross continent March 16 to 20, warm wave 15 to 19, cool wave 18 to 22. The last disturbance is expected to average a little colder than usual with most precipitation in the Southern states, particularly in the lower Mississippi valleys. More than usual rain is expected during March on the Pacific slope. Tendency of temperature averages will be downward. Next disturbance will reach Pacific coast about March 21, cross Pacific slope about March 22, great central valleys 23 to 25, eastern sections 26. Cool wave



FOSTER'S WEATHER MAP.

(For Better Understanding of the Forecasts.)

Broken lines separate map into eight great weather districts, named North Pacific Slope, South Pacific Slope, Great Central Valleys including the Northwest and Southwest, and Eastern Sections including the Lakes, the Northeast, the Southeast and Washington. The dividing line bisecting St. Louis is meridian 90.

will cross Pacific slope about March 24, great central valleys 26, eastern sections 28.

When the storm forces are weak the weather is warm. The storm forces stir our atmosphere and bring down the cold upper air causing cold weather. These forces are increasing and therefore the temperatures are not expected to rise as much as the progress of the season would suggest. The last half of March is expected, therefore, to average as cold as the first half and this condition will make crop weather backward in the Southern states. April will bring a great change and make northern crop weather good, an early opening of spring weather.

A Soil Map of Your Farm

THE MEANING OF A BIG JOB.

The Kansas Experiment station before many months will have a soil map of your farm. Then, if you desire the information, it will be able to tell you what kind of fertilizer this or that part of it needs and just what crops are best for the farm and your pocketbook.

An undertaking of large importance to Kansas was recently begun in Reno and Shawnee counties where a soil survey has just been concluded. A soil expert from the Kansas Agricultural college and another from the U. S. department of agriculture went over every section in these counties.

The Industrialist, published at the college, gives this account of the method that was followed:

"They bored holes in the ground and found what type of soil was there and how deep this type was. They kept notes on their work. Then they made maps of many colors. These colors represent the different kinds of soil that were found. The colors also show what kind of soil may be found on any particular farm in these counties, which has been surveyed by these soil experts. All of these colors are numbered, and an explanation of every number will be published in a bulletin later. One of the colored maps will be enclosed in every bulletin. By looking at the bulletin the owner of a farm can see what sort of soil he has, and what kind his neighbor, or someone who has a farm for sale, may have. He can see, also, what crops would be best adapted to particular portions of it.

"But there is still another benefit of the soil survey. A chemist from the Kansas Agricultural college will visit the places where the different types of soil are found and take samples of them. He will make an analysis of these sam-

ples and thus determine the amount of plant food present in the soil. It will be possible to tell, then, what kind of fertilizers are needed.

"In the soil survey the land that needs draining is also shown. The productivity of much land in the state may be improved by draining. The different types of soil will be tested by the Kansas Agricultural college by growing different crops on these soils. These plot tests will show just what crops are best for every farm. In other words it will put the experiment station in touch with the soils on every man's farm.

"Similar maps of other counties will be made later, as fast as appropriations are made. Reno and Shawnee counties were 10 years ago. his decrease is very types of soils."

Uses Sowed Cane For Pasture.

Mr. Editor—A. M. TenEyck says cane or Kafir pasture is not safe for stock. I have tried it for years and never lost an animal yet. I sow 5 acres of cane in my pasture every year and let the cattle run on it as soon as up. In this way they get used to it and it will not hurt them later on even if they break out into a field of cane or Kafir not for pasture. I let my cattle run on this kind of pasture at any or all times, just as they would on grass. I have let my

cows eat the second growth after the first crop was taken off for hay and the results have been good. If every farmer would break up a few acres in his pasture each spring and sow in cane there need be no fear if the cattle should break out into some cane field later. Besides cane will make more pasture than grass.
J. W. Reynolds.
Kirwin, Kan.

A Leader and a Teacher.

Mr. Editor—Farmers Mail and Breeze is fast becoming a great leader and instructor to all farmers. I wish to thank you for the good it has already done me.
L. R. Claus.
R. 1, Shaw, Kan.

A separator saves two or three handlings of the milk.

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IHC Harvesting and haying machines and tools, as sold today, are the result of over fifty years of careful work by trained experts. Through every harvest season these men have followed our machines in the field in every grain-growing country, correcting all difficulties as they appeared or developed. The binders which are the result of such thorough work are now offered to you with the fullest assurance that when you use these machines your harvesting will be well done. Whatever the conditions under which your crop must be harvested, whether the grain be short or tall, standing, down or tangled, there is an IHC machine which will reap and bind it all; easily, surely, and with no annoying and expensive delays.

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There is quality in the material and construction of IHC harvesting machines that only a half century of experience can assure. There is a simplicity in the design which makes the working of the machines easy to understand and makes it safe to trust them in the hands of unskilled help. Last, and most important, IHC binders are backed by an organization that insures your getting interchangeable repair parts—parts that fit where

they belong—quickly in time of emergency. IHC harvesting machine owners know that if by accident any part of their machine should happen to break, an exact duplicate of that very part can be obtained quickly from the IHC local dealer. This point is of the utmost importance when the grain is ripening or the harvest begun. It does away with all delays, all risks, all possibility of losing part of the harvest profit.

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ordinary conditions. You speak of adding milk to the cream occasionally. This would have a tendency to increase the difficulty in churning, as thin cream will not churn as readily as a higher test cream. The cream from the above mentioned animal will doubtless give you no difficulty in churning after the animal freshens.

G. S. Hine.
Extension Service, Manhattan, Kan.

Feeding Work Horses.

I have some horses and mules to feed this winter and I wish you would let me know whether it would be as well to feed chops and cotton seed meal, and whether it would not be cheaper. Does the cotton seed meal affect horses' eyes as it does cattle's eyes?—T. F. H., Atoka, Okla.

We are feeding our work stock at this time a mixture consisting of Kafir chop 5 parts, mill run 2 parts, cottonseed meal 1 part. We believe this is the cheapest efficient ration we can feed our stock at this time. Considering local prices, we estimate that we are making a saving of 15 to 20 per cent by feeding Kafir chop over corn chop. Prices with you may differ from ours. If you can buy corn chop for not to exceed 10 to 15 cents per hundredweight more than Kafir it would be as cheap as Kafir. We have no trouble with horses or mules contracting sore eyes through feeding cottonseed meal, but we do find cottonseed meal, when fed in quantities of over 2 pounds per horse per day, too heating a food during warm weather, as both mules and horses heat up too quickly when at hard work under such conditions. W. A. Linklater, Oklahoma Agricultural College, Stillwater.

Seedbed for Oats.

I have some cotton land that I am plowing this month and intend to sow it to oats next spring. It is in fine condition. How much seed per acre ought I to sow for a feed crop and what variety of oats would be best for this purpose? What time would be the best to sow and how much per acre ought such a crop to make?—T. S. C., Krebs, Okla.

Oats require a firm seedbed. It is not advisable to plow in the spring for oats. If you can succeed in breaking down the cotton stalks in winter or while the stalks are frozen I would do so. If a great many of the stalks are left standing they are likely to interfere with harvesting the grain, especially if they are large and woody. If necessary, in order to overcome this difficulty, I would use a stalk cutter. If the ground is not frozen, disking at this time would be a good practice. Seed after the middle of February and before the second week in March if possible, using a drill. If you are planning to mow the oats for hay you should drill in at least 2 bushels of seed per acre and 2 1/2 bushels would not be excessive. Texas Red Rust Proof oats is the best variety of oats you can grow in Oklahoma for any purpose. At least that is the conclusion we have reached in our experiments here at this station. Oats will produce from 1/2 to over 2 tons of well cured hay per acre. A. H. Wright, Oklahoma Agricultural College, Stillwater.


Potatoes for Oklahoma.

What are the best methods of planting potatoes in this locality and what kind of seed would do best here?—C. W. S., Foss, Okla.

Land for potatoes should be deeply plowed some time before the potatoes are planted. This ought to be done in the fall but may be done in early spring or in the winter. Plant your potatoes with the regular potato planter, putting in the seed as deeply as possible. Most growers use seed pieces of two eyes but tests have shown that the larger seed pieces give better results up to the size of half the potato. They should never be larger than this. Many of the mechanical planters will not handle these large pieces without clogging the machine.

The most popular variety for early market in this state has been the Bliss Triumph or Early Bliss. However in some tests made at this station some years ago there were six varieties which gave almost the same results in number of bushels per acre. Potatoes should be planted early as they are a cool weather crop and it is advisable to get them well started before the heat of summer comes on. Write to the department of agriculture at Washington for farmers' bulletins on this subject. N. O. Booth, Oklahoma Agricultural College, Stillwater.

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Silos and the Feed Problem

J. W. MILLER.

[Prize Letter.]

Mr. Editor—In August, 1910, I erected on writing a booklet on selecting and a 100-ton silo of Oregon fir. Not having a cutter of my own I had to wait until my corn was dry enough for fodder before I could get one. I cut up 7 acres of this corn and by putting water on it secured a pretty good quality of silage, although too dry compared with the crop I put up this season. I also had 6 acres of weeds and Kafir which I put in afterward, making in all about 65 tons of silage. In another field I had 12 acres of corn that I thought was too dry. I husked it out and it made stalk pasture for two or three weeks.

About January 15, 1911, I opened my silo and began feeding from it. It lasted from that time until June 15, and then I wished I had another silo just like it for there was no pasture or anything else in sight. I thought of the 12 acres of corn that made dry feed for only two or three weeks but which in the silo would have been just as good as the 7 acres. Now I have a Ross cutter that can fill a 100-ton silo in a day by using four teams and having two extra men in the field.

The objection to the silo is that it costs too much but we said the same thing about the cream separator and now there isn't a man but who knows that the separator is making him from a third to a half more profit than the old way of doing. Just so with the silo. My cows would have been in condition to butcher as long as my silage lasted last year. In silage, you have a cooked food, easily digested with all the natural juices in it.

I believe the silo is the solution of the cornstalk disease problem. Neighbors around me have lost from 6 to 14 head of cattle on cornstalks since living in this county. The expense of building and filling a silo would not have amounted to as much as this loss and besides there

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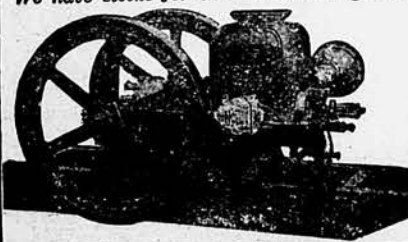
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is no comparing the two kinds of feed. With a silo you have your feed where you want it. There is no driving over snow and ice or through mud to dig out a shock of dry fodder. Just the satisfaction of having the best kind of feed where you want it is worth all it costs to put up a silo.

R. 5, Index, Kan.

A Veterinarian's Roup Cure

FILE THIS AWAY.

Dr. E. T. Booth of the veterinary department of the University of Pennsylvania writes to Veterinary Medicine of a roup cure with which he has been remarkably successful. His treatment which is simple, is here given:

My method is to isolate all birds showing symptoms of the disease and to disinfect the premises. If the number affected is not too large cleanse the eyes and nostrils with mild antiseptics. Due to the acute inflammatory condition the birds will show great thirst. I use a solution of about a 3 to 5 per cent potassium permanganate, allow them no other water to drink and keep the birds in a dry, warm place. I recall cases in birds which cost me quite a sum, that were so severe the fowls were unable to hold up their heads, and I was compelled to administer the solution with a small syringe. By keeping the parts of the syringe cleansed and the birds in a warm place, I have had wonderfully quick recoveries. I am sure that who follow this very simple line of treatment will be, as I am, wonderfully pleased with the results.

Mild antiseptics and crystals of permanganate of potash can be obtained from any druggist. The druggist can tell you how to dilute the crystals to get the required strength or will dilute them for you. If you haven't roup in your flock now, put this remedy in your scrapbook for future reference.

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The Mail and Breeze is enabled to make the biggest clubbing offer it has ever had, and for only \$1.25 will send all four of the following papers for one year each:

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Remember, all four of these big papers will be sent to one address or to four different addresses if so desired for only \$1.25. If you are a subscriber to any one of these papers your time will be advanced another year. The regular price of these papers, if taken separately would be \$2.25. Why not save \$1.00 and buy this combination? You will be supplied with the best class of reading matter for a full year. Don't fail to mention the names of these papers in sending in your order. Send your order to the Mail and Breeze, Topeka, Kan.

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Kingman PRIZE has no equal

In efficiency and durability. It is strong and simple in construction, has no ratchets; the operator has full control, either riding or walking. Light on horses because of direct draft; the team's work is equalized by a steel eveners mounted on the tongue. All Kingman machines shipped as nearly set up as possible thus saving customers much trouble. Write for catalog and full information.

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FREE This Fine Silver Sugar Shell If You Will Send Me 10c to Pay Mailing Expense

That is all I ask you to do. Just sign the coupon below and send it to me, together with 10 cents to pay the postage, and you will receive this elegant Sugar Shell absolutely free. It is made by the celebrated Oxford Company, has a handle 4 inches long, a bowl 2 inches long, and 1½ inches wide, is extra heavy quadruple silver plated over pure nickel base, handsomely engraved and embossed in the beautiful Narcissus design. It is guaranteed for 10 years. It is highly polished and finished in the popular French grey style and is fully equal in appearance, wearing qualities and weight to the best grade sterling silver. The illustration does not do it justice. If you send for this beautiful Sugar Shell, I will also send you my offer of one-half dozen lovely Teaspoons of the same grade and pattern, without one cent of cost to you. Remember, this is not cheap silverware; it is the genuine Oxford product, and there is no better silverware in the world than that made by the Oxford Company. This is a wonderful offer which I am sending out for advertising purposes only. Don't delay, for it is good only 10 days. Sign and send me the coupon with only 10 cents to help pay postage and packing, and I will positively send you this genuine Oxford Sugar Shell, without the outlay of another cent on your part. It will be yours to keep without any conditions whatever, and I will also tell you how you can get one-half dozen beautiful Narcissus Teaspoons just like it, absolutely free.

Remember, this offer will be withdrawn after 10 days, so don't lay this paper away until you cut out the coupon. Then sign it and send to me with 10 cents, silver or stamps, and you will receive this beautiful Sugar Shell, free, by return mail. Your money will be refunded if you are not delighted. Address at once.

Arthur Capper, Publisher Mail and Breeze, Topeka, Kan.

This is the Coupon. Use it now before you forget it.

MAIL AND BREEZE SUGAR SHELL COUPON—Must Be Signed and Returned Within 10 Days

Publisher Mail and Breeze, Topeka, Kan.

I enclose 10 cents, for which you are to send me, free and postpaid, the Oxford Sugar Shell described above. Also tell me how I can secure one-half dozen Teaspoons just like it, absolutely free.

My Name

Address

THIS OFFER NOT GOOD AFTER TEN DAYS.

March 16, 1912.

Plant a Grove This Spring

CONDITIONS ARE RIGHT

Western Kansas farmers will have an unusually good opportunity to plant trees next spring. The indications now are that there will be a good deal of moisture in the ground as a result of the heavy snows in that part of the state. If the spring rains are as usual the ground in the western section will be in ideal condition. The state forester, C. A. Scott, at the agricultural college, says it will be the best possible time to plant windbreaks and shelter belts.

The red cedar is particularly suited to western Kansas. It is a native, it is the hardiest of the evergreens, and its dense foliage makes it an excellent tree for protection purposes. Grown here its cost is small. The forester has 85,000 once-transplanted, 2-year-old red cedar trees, now, which farmers may have for exactly what they cost the state.

"A very satisfactory arrangement of the trees in a shelter belt," says Mr. Scott, "is to plant two rows 8 feet apart. The trees should be set 8 feet apart in the row, the trees in one row setting opposite the space between the trees in the adjacent row. In a very few years the trees will reach sufficient size to fill all the space between them, and thus form a solid wall of foliage from the ground to the topmost branch. In addition to the cedar being a hardy tree, it is a long-lived tree. Once established, it grows with great vigor, withstanding drouth and cold. It is injured less by hail than any other tree.

"The red cedar can be grown on any farm in western Kansas. It is not particular in its demands for any kind of soil, but will grow in a hard, shaley soil almost as readily as in a loam soil, and it makes a very satisfactory growth in sandy soil.

"In handling cedars, one point should be kept in mind: The roots must be protected from exposure to the air. A timely piece of advice when planting cedars is to be sure that the roots are always damp and the tops absolutely dry. These conditions can best be obtained by puddling the roots as soon as the trees are received, and by keeping them protected until the trees are planted. The tops must never be wet while they are packed or bundled. A very little moisture causes the leaves to mildew and this is sure to result fatally."

Yields of Wheat States in 1911

IDAHO FIRST IN AVERAGE.

Uncle Sam's 1911 wheat crop averaged 12½ bushels per acre. But 10 to 1 you couldn't guess which state made the best average yield for the year. It was Idaho that turned the trick with 30.7 bushels, followed closely by Arizona with 29.6 bushels, Montana 28.7, Nevada, 28.3, and Vermont 27.8. Last year, Maine led the nation with an average of 29.7 bushels per acre, and Vermont was second with an average of 29.3 bushels.

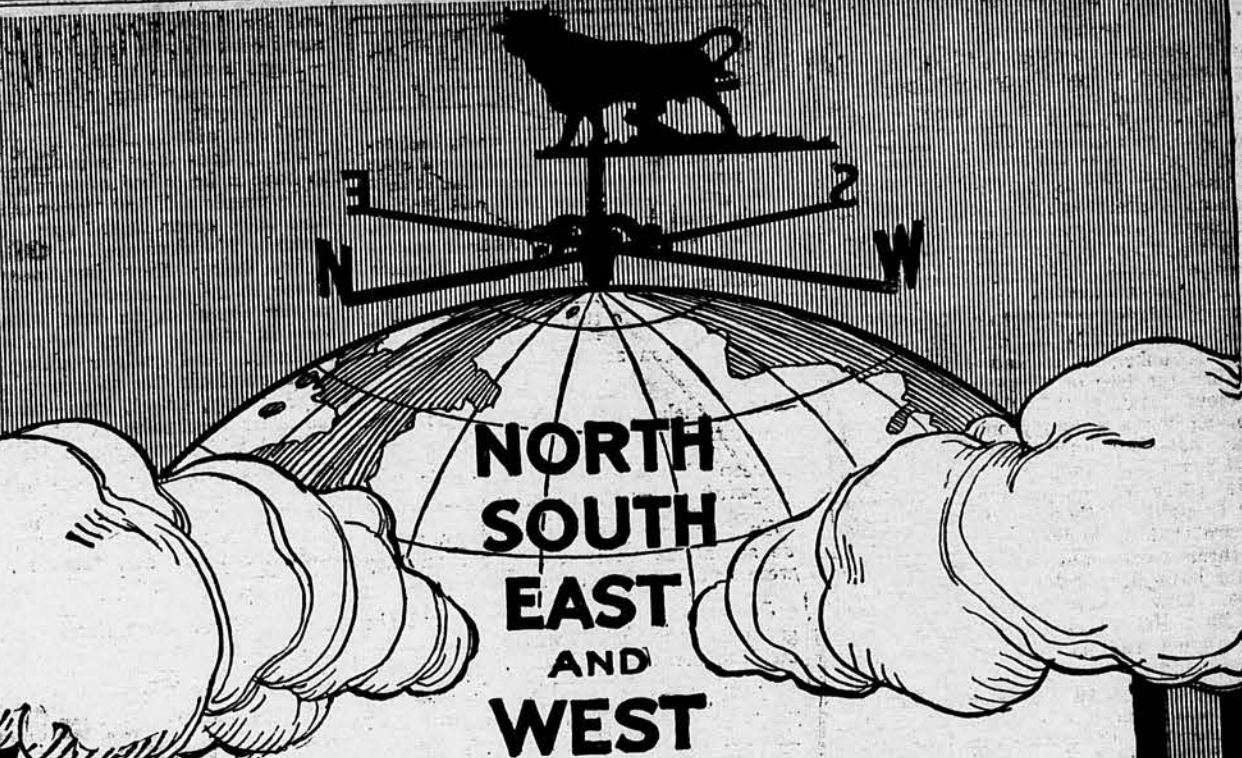
Kansas led in total yield of winter wheat with more than 51 million bushels, while North Dakota was first in all wheat on her record of 73 million bushels. Last year Minnesota was first with 64 million bushels while Kansas was less than 1 million bushels behind her. The following table will give a list of the best wheat states with total yields, yields per acre, and price per bushel on December 1, 1911.

	Total yield.	Yield per acre.	Price.
Indiana	34,354,000	14.7	\$.89
Illinois	42,000,000	16	\$.89
Minnesota	43,935,000	10.1	\$.92
Iowa	10,622,000	16.4	\$.88
Missouri	36,110,000	15.7	\$.88
North Dakota	73,200,000	8	\$.89
South Dakota	14,800,000	4	\$.91
Nebraska	41,574,000	13.4	\$.87
Kansas	51,387,000	10.7	\$.91
Texas	6,580,000	9.4	1.00
Oklahoma	8,976,000	8	\$.82
Colorado	8,274,000	18.9	\$.84

OUR SPECIAL OFFER.

To new subscribers: The Farmers Mail and Breeze until June 1, 1912, for 10 cents. Call over to your neighbor or hail him as he passes on the road, if he is not a subscriber to The Mail and Breeze, and tell him about this special offer. Earn your own subscription. If you send us 10 of these trial orders and the \$1.00 collected we will extend your time 1 year.

Some people get along whether they have a license to or not.



The popularity of "Bull" Durham is not confined to any one section. It is smoked everywhere—and, whether smoked in a pipe or "rolled" into a cigarette, it is the favorite everywhere.

Not a rich man's tobacco—not a poor man's tobacco. It is the tobacco for every man who wants a pure, mild, sweet smoke—regardless of price or package.

GENUINE "BULL" DURHAM SMOKING TOBACCO

Forty "rollings" in each 5-cent muslin sack

This famous old tobacco is packed in a plain, homely, muslin sack that has become familiar to smokers the world over. It is not handsome or showy, but its cheapness permits just that much more goodness to go into the tobacco itself.

The Purest Form of Tobacco

"Bull" Durham is simply the granulated leaves of bright golden Virginia and

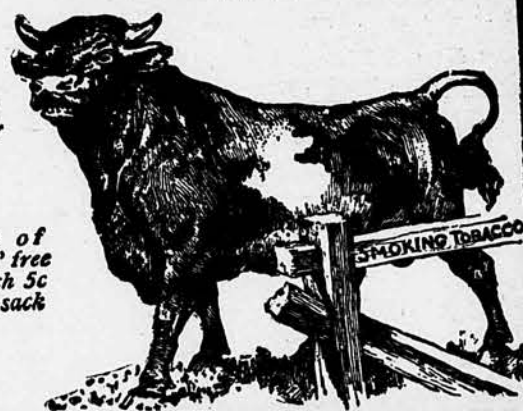
North Carolina tobacco. The purest form of tobacco human skill can produce.

Try a sack of this grand old tobacco today. See why more men smoke "Bull" Durham than all other high-grade brands combined. See why for three generations men have gone on smoking this glorious tobacco year after year, and will not be satisfied with anything else.



Sold by practically every tobacco dealer in the U. S.

A book of "papers" free with each 5c muslin sack



Make \$25 to \$50 Weekly

Selling the Automatic Combination Tool in your home county. A Fence Builder's Tool, Post Puller, Lifting Jack, Vice, Wrench, etc. Used by Farmers, Teamsters, in Factories, Mills, Mines, etc. Weight 24 lbs. Capacity 3 tons. No experience necessary. Free instructions. Write for special offer to live agents. Send no money. Name county where you live. **AUTOMATIC JACK COMPANY** Box 57 Bloomfield, Ind.

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Alfalfa, Clover Hay, Wheat Screenings, alfalfa, rye, Kaffir corn, wheat, barley, shell corn, cotton seed, etc. Dry or oily are all ground to meal on the "Bull Dog" Grinder.

Highest Grade of Corn and Buckwheat Flour in One Grinding

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ing pay big. Tells how you can Make \$400. An Acre

I'm giving this book free with orders for \$2.00 worth of seeds—otherwise 25c, which will be refunded on first order. Its worth more to you than all the text books in creation.

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Early Ohio Kaw Valley, per bu. \$1.20
Early Ohio Red River, per bu. 1.50
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Grown 3 miles from Canadian boundary on rich land free from disease. Will increase your yield 50 to 120 bu. to the acre and mature two weeks earlier than any other grown in the U. S. We make potatoes a specialty and have four best leading varieties. Early Red Bliss Triumph, Irish Cobbler, Early Ohio, and Burbanks. Prices post paid, 25c per pound, or 100 potato eyes 50c, from which you can grow 20 bu. of choice potatoes for investment of 50 cts. from our northern grown seed. Prices on larger amounts on application.

Free instructions how to plant and care for potato eyes. Give us a trial order.
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ORCHARD & GARDEN

For the best letter each week, contributed to this page by a reader, we offer a year's subscription or extension of subscription to Farmers Mail and Breeze. We want your views and experiences. They will help others. Address contributions to Horticultural Editor Farmers Mail and Breeze.

Garden sash in three or four weeks.

Plant onion seed while the ground is still cool.

Four inches is about the right depth to plant potatoes.

Deep plowing, well manured, is good preparation for the cabbage patch.

In planting young trees they should be set about an inch deeper than they were in the nursery.

Just as soon as frost is out and the ground dry enough it will be time to set out the strawberry plants.

If blight was bad in the potatoes last year it will be well to select a new location for the patch this spring.

One of the most common mistakes made in orchard planting is that of setting the trees too close together.

When crowded for space they do not develop properly and it is also unhandy to get around them for spraying, cultivating, picking, etc.

If no fall made catalpa cuttings are available, make them in April or May when the buds begin to swell and set them in rows for cultivation.

There isn't much profit in keeping peach trees that are old. It will pay to replace them with young trees as soon as they show signs of decay.

Grape rot is a fungous disease and a good way to keep it down is to spray with Bordeaux mixture when the buds swell in spring, repeating several times later.

Drouth Insurance for Spuds.

[Prize Letter.]

Mr. Editor—I had a ¼-acre patch last year on which I planted 12 bushels of Early Ohio potatoes. This patch was fall plowed about 8 in. deep. I harrowed it two or three times in the spring, then laid it off with a cultivator, by taking off all but one shovel on each side, and making the rows 2 feet apart. The seed was dropped in these rows from 12 to 14 inches apart and covered with a harrow in order not to get too much earth on them. Planting was done April 14. I never wait until potatoes come through before mulching them, but cover at once after planting. I put 35 loads of wheat straw on this patch, which covered it to a depth of about 14 inches.

As we all remember, the season was very dry. We did not have enough rain at any time to wet through the straw until July 8 or 10 and by that time the potatoes were almost made; in fact, I was digging some at that time and selling them at \$3 per bushel. The yield from the patch was more than 150 bushels and I sold them at an average price of \$2.25 per bushel. People who saw the crop said they were as fine potatoes as had ever been grown here. In 1910 I raised 200 bushels off the same amount of ground, and in 1909 I got a yield of 130 bushels from a ½-acre patch. All these crops were put in by practically the same methods. The land on which these potatoes were raised is a black soil.

C. H. Bumgardner.

Geuda Springs, Kan.

The Saving in a Good Garden.

Mr. Editor—This "getting next to Nature" isn't all a myth. I think most women would enjoy better health and be sweeter tempered if they would spend more time in their gardens. If any work must be neglected for a day or two let it be work about the house, but keep the garden trim. I want to make a plea for a greater variety in the farm garden. With plenty of milk, butter, eggs, fruit and vegetables the soaring of meat prices need not trouble us. I think every mother should teach her children to eat a variety of vegetables for their own health's sake

and for the comfort of the women who must cook for the boys of the future.

Plant a small bed of parsley. It is excellent for seasoning, a fine garnish, and good to look upon. Try cauliflower. It does not always head in Kansas, but when it does it is delicious. Don't fail to have a large bed of spinach. I know some people sniff at "greens," but I am sure they never tasted spinach properly cooked. If onions are too "plebeian," try a few leeks; they impart a delicate flavor to soups, meats, etc. Have some yellow tomatoes to mix with the red ones in salads. They form a pleasing contrast. And while speaking of salads don't overlook the mango peppers—the large, pulpy, sweet, kind—to slice with the other vegetables. Cooking them pod and all while young and tender makes an appetizing dish. Salsify should be more commonly grown, also lima beans.

This list might be extended, but every woman can make up her own list that suits her needs and pleasure. If you have anything good tell us about it through the Mail and Breeze.

Mrs. Mary Storey Whitsitt.
R. 2, Madison, Kan.

Mail and Breeze Helps Him.

Mr. Editor—I am a reader of Farmers Mail and Breeze and like it fine. I find many useful facts along the line of farming in "TenEyck's Replies," and in "Feeds and Feeding" by G. C. Wheeler. His recent answer on "Grain Rations for Brood Sows" and "Tankage for Full Feeding Hogs" were just what I had been looking for. I cut out all this valuable information and some day will probably have a book to which I can refer for almost anything.

E. J. Vawter.
R. 1, Beverly, Kan., February 19, 1912.

SIX LEADING VARIETIES of pure bred seed corn. All kinds of field and garden seeds; Barred Rock cockerels, Scotch collies. Your money's worth here or your money back. Send today for large illustrated catalog, free, to **JOHN D. ZILLER**, the Farmer Seed Corn Grower, Hiawatha, Kan.

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ALFALFA SEED! Seed raised in Jewell, Counties; Banner alfalfa section of Kansas. Price \$6.00 to \$8.00 per bushel. Sacks to ship in, 25 cents each. Samples mailed upon application. Address, **ED. FITZGERALD**, JAMESTOWN, KAN.

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Send us \$1.50 and we will send you 100 of the best strawberry plants for the Central Mississippi Valley. They are drouth resistant and will bear when all others fail. Also send for our free booklet, "Strawberries for the Home and How to Grow Them." Order early to avoid the rush. Dodge Blachly & Co., Cuba, Mo.

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Why not plant corn that you know will grow? I have 4 varieties; can furnish ear or shell corn. My seed has been tested and I will guarantee it. Write for my circular and price list.
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This is good stuff. We guarantee it to please you. Our supply is limited. Price, shelled and graded, per bu. \$2.00; in the ear, crated, per bu. \$2.50. **F. M. Riebel & Son, Arabela, Missouri.**

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Choice of DUNLAP, WARFIELD, EXCELSIOR or SAMPLE. Get MY FREE ILLUSTRATED STRAWBERRY BOOK, tells how to grow them.

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My seeds are first quality seeds, true to name and sure to please. I sell tested seed only and give every customer the most possible in quality and quantity for every cent they pay for my goods. I want you to prove by one trial order that it means profit and protection to you to buy all your seeds from me. Write today for a free catalog. A postal will do.

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FERRY'S SEEDS

A Tree-Planting Precaution

BY JACOB FAITH.

[Written for Farmers Mail and Breeze.]

What is the cause of so many fruit trees dying? Take a look at old orchards and you will see that about 90 trees out of 100 lean to the northeast and you will find upon examination that the bark on the southwest is dead. In a few more years all such trees will be dead. This is caused by sunscald. The sun at 1 or 2 o'clock in the afternoon is warmest and causes the sap to start on the southwest part of the trunk of the trees. Freezing and sudden thawing cause the sap to sour and this kills the tissue under the bark and soon the bark will die.

In planting fruit trees, set them so that they will lean a little to the southwest toward where the sun is at 2 o'clock in the afternoon in the month of June. In planting, if the tree has a crook, trim it so the top and longest limbs will be to the southwest. The southwest winds are the most fatal to fruit trees. In windy or wet weather if the trees are blown out of proper position, straighten them back.

In planting trees don't leave the trees out of the ground longer than possible. Remember the nature of trees, vines and plants is in the ground, men on land and fish in water.

Several years ago I planted 1,163 apple trees as described. All lived and grew and at 4 years old not one was injured by sunscald, rabbits or tree borers. The trees planted were from my own nursery stock and were not long out of the ground. I dug them up, put them in a wagon and hauled them to the place where they were planted. A deep furrow, plowed with a 14-inch plow, did most in preparing the ground for planting.

Eldorado Springs, Mo.

A Start With Asparagus

BY D. DE BAKER.

Mr. Editor—There is a good demand for asparagus, though the demand is mostly local. Much of it is shipped in a small way. If you like work grow asparagus. Five acres will keep everybody busy, especially if you grow other vegetables with it. The best way to get a start is to sow the seed in the spring, then the same fall or the next spring set out the plants where you want the permanent bed. If you intend growing for the market plant the rows 3½ to 4 feet apart with plants 18 to 24 inches in the rows. Plant it good and deep by making your rows with a plow, by plowing a furrow each way and throwing out the middle with a third furrow. Cover about 4 inches deep and work the ground to the plants as they grow.

A kind of sandy loam is the best soil for asparagus, but it must be rich. A bed of this plant is good for 20 years, so it pays to plant it right. It should not be cut for two years after setting out. After that time it is ready to cut in the spring as soon as it shows up about 4 inches above the ground and from then until June 15. If it was sold by the pound it would bring more per pound than most other vegetables. In this locality it is usually 40 to 45 cents per dozen bunches. It will stand manuring every year.

Topeka, Kan.

Using a Mulch in the Garden.

Mr. Editor—I have had best results in raising cabbage, tomatoes and melons by plowing deep and then mulching with straw about 6 inches deep. For cabbage and tomatoes I stretch a rope or wire the length of the patch. One person goes through, draws back the straw and turns over a forkful or two of earth. The second man sets out the plant in this spot and draws a little of the straw about it to keep the ground from drying out. For melons it is well to cover the ground with all the manure the plow will turn under, then cover with straw the same as for cabbage. Plant hills the same distance apart as on unmulched ground and leave a small uncovered space about each hill until the plants are well started. I have also had good results in growing squash and cucumbers by this method. I have always found it best to fall plow the garden, as it gets rid of trash and turns up insects to the weather.

Ellis, Kan.

Many a man can't even do his duty without expecting to have bouquets thrown at him.

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Good Hatches and Fewer Losses

A SYMPOSIUM.

Mr. Editor—I start my incubator by filling the water tank with boiling water and lighting the lamp with only the thermometer inside on the egg tray. I let it run 24 hours when the heat should be up to 100 or 102. The eggs are put in and allowed to get warm slowly. It will take from 12 to 24 hours for the eggs to reach 100 degrees when incubation starts. I keep the heat at 102 and 103 the first week, 103 the second week, and 105 the third. In 24 hours I turn the eggs over and after that one can hardly turn them too often if the heat stays up. I air them once each week about the same hour, for 20 minutes the first part of the period and 15 minutes toward the last. I always close the incubator while the eggs are out.

Mrs. J. G. Wooley.

R. I. Girard, Kan.

Why Chicks Die in the Shell.

Mr. Editor—After 14 years of experience I believe one of the chief causes of dead chicks in the shell is turning the eggs after the 17th day. It is also one cause of crippled and deformed chicks. I turn and air the eggs twice each day for the first 15 days. I turn the eggs by taking a few out into my palms, then roll the others over gently so that they change their position in the machine each time. I turn them the last time on the morning of the 17th day, air them twice daily for 20 to 30 minutes after that but under no circumstances do I turn them again. I put in moisture the last time on the 19th day then keep the machine closed until the hatch comes off. I keep the temperature at 103 and 104 these last days. I have followed this plan for three years and during that time have lost only six pipped eggs and have had no deformed chicks that needed to be killed.

Mrs. Chas. Corbin.

Hartford, Kan.

The Moisture is Important.

Mr. Editor—Many advocate turning the eggs in the incubator twice a day. I turn those in mine either one or three times, the latter I think the better. This does not leave the eggs on the same side every night, as turning them twice does. If you do not have the trays full of eggs roll up a newspaper the width of your tray and the eggs will not roll so badly. Place a damp cloth in the bottom of the incubator and if it does not remain damp for several hours there is not enough moisture and the damp cloth should be renewed until it does not dry so quickly. Be careful not to supply too much moisture as it is as harmful as too little. There is more need of moisture near the latter part of the hatch. This will prevent many chickens from dying in the shell at the time of hatching.

Mrs. F. L. Gustin.

McClure, S. D.

On the Job For 25 Years.

[Prize Letter.]

Mr. Editor—I have used a 240-egg, hot air incubator for 25 years and I find they almost run themselves. I put in eggs not more than a week old and start the machine in moderate weather. Only medium sized, smooth eggs are used and these come from healthy, thrifty birds with plenty of males in the flock. The trays are filled full and the eggs laid close together so they will not roll. It is a good plan to set a few hens at the same time and then fill the spaces, left by testing out with eggs from under the hens. I generally turn the eggs twice a day, cooling them each time I turn. The fifth day I have the temperature at about 102 and then increase it to 103 by the end of the second week where it remains until the end of the hatch. I stop turning the eggs on the 18th or 19th day.

Mrs. W. G. Waddle.

R. I. Lafontaine, Kan.

No Hens For These Chicks.

[Prize Letter.]

Mr. Editor—I have made my best hatches when the temperature was held up to 105 the last week and the eggs sprinkled with warm water every day. I do not turn the eggs after the 17th day but air them as usual. Last year I kept two incubators going in the cel-

lar and they did fine work. In one hatch that came off the middle of April every egg hatched but one and in this the chick died after it had pipped. I find the heat can be kept much more evenly in the cellar than in a room.

I have a special house for young chickens away from older birds. It is 12 by 18 feet in size and has a small yard on the south. Inside the house I have the brooders and brood boxes, also a stove in which to keep a fire on cold days. I lose very few chicks by following these methods. I never give the chicks to hens to take care of as they are much better off without the hens to lead them around and lose them.

Mrs. A. L. Camp.

Dighton, Kan.

Strong Chicks From Turning.

[Prize Letter.]

Mr. Editor—Set hens at the same time you set your incubator and after testing out the incubator eggs you can replenish the trays from the eggs under the hen.

Put a piece of carpet on the top of the incubator and another in the bottom of the chick tray to help keep the temperature even. Cut holes in the latter to correspond with air holes in the bottom.

Follow directions carefully but turn the eggs oftener than the directions call for. Turn them twice one day and three times the next. Keep a calendar on the back of the machine and on the dates mark "2," "3," "2," "3," etc., to help you remember on which days to turn them twice and when three times. On the 19th day write "stop turning." The extra turning will increase the strength of the chicks and lessen the number of weaklings and cripples.

Be sure to keep the heat up as high as directions say. Poor hatches are often the result of insufficient heat. When your hatch is coming off it will pay to get up two or three times at night to look at the thermometer. So many chicks in the tray often causes the heat to soar. Don't open the machine so often to take out chicks as it lets out moisture and some of the last chicks will fail to get out of their shells as a result.

These rules were learned in the school of experience. I began with 60 per cent hatches and now they are up to 90 per cent so I believe my rules are good and worth trying.

Mrs. Harlon B. Winter.

Mankato, Kan.

Drastic Cures for Roup.

Mr. Editor—I watch my chickens after they go to roost or before turning them out in the morning, for symptoms of roup. You can locate a roup bird by its swelled head and eyes, and the foamy substance about them. They will stretch out their necks and gape at times. Take such birds away as quickly as possible and keep them in a dark coop. Mix coal oil with some turpentine and with a wing feather dipped in the mixture put it down the bird's throat and give it a turn. With a machine oilcan squirt some coal oil into the bird's nostrils then grease head and eyes with vaseline. This treatment given twice a day for about four days will cure the trouble.

Mrs. L. A. Corson.

Great Bend, Kan.

Hen Hatching Precautions.

Mr. Editor—I hatch all of my chickens under hens. I expect to set 10 hens in a few days. I shall buy six packages of old-style smoking tobacco, dry it by the stove, pulverize it and sprinkle it in the nests. I feed young chickens five times a day on corn bread and millet seed. I have a board floor in the boxes to guard against rats. I apply kerosene to the floor as a disinfectant, adding 10 cents' worth of camphor to the gallon of oil.

J. R. Donaldson.

Goff, Kan.

When Roup Threatens.

Mr. Editor—Take a pan of hot coals and pour some sulphur over them. Hold the infected bird over the pan so it will be compelled to breathe the fumes. Repeat the treatment later if necessary. We have used this remedy very effectively for many years.

M. Duttweiler.

Hartford, Kan.

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FOR SALE—Pure bred Buff Rock chickens. Hens from \$1.00 to \$1.50, and cockerels from \$1.50 to \$2.00. Eggs \$1.25 for 15. Mrs. O. L. Thieser, Chapman, Kan.
TWO HUNDRED AND FIFTY Barred Rocks, either sex; the kind that wins at good shows. Send me your order. Frank McCormack, Morrowville, Kan.
PURE BRED BARRED ROCKS—Farm raised; good layers; yellow legs and beaks. Eggs, 15 \$1.25, 30 \$2.00, 100 \$5.00. Mrs. John Yowell, McPherson, Kan.
PRINGLE'S Barred Plymouth Rocks. Have some good cockerels for sale. Prices reasonable. Eggs in season. Stella Pringle, Route 1, Box 76, Wichita, Kan.
BUFF PLYMOUTH ROCK eggs for sale. The kind that will pay you because they pay me. Prices friendly. Write me today. William A. Hess, Humboldt, Kan.
BARRED ROCKS that have been line bred for 13 years; exhibition stock a specialty; must make room; cockerels \$1.00 to \$1.00. G. R. Miller, Bowling Green, Mo.
FOR BEAUTY, utility, exhibition Buff Rocks. Exceptional vigor, color and laying qualities. Eggs from pens \$2.50 per 15. Henry D. Smith, Washington, Kan.
BARRED ROCK eggs \$4.50 per 100, \$2.50 per 50, \$1.00 per 15. The best blood in the world and great winter laying strain. Circular free. O. E. Skinner, Columbus, Kan.
BUFF ROCKS—Am reducing my stock and as long as they last will offer prize winning hens at \$1.00 each, \$10.00 per dozen. A few cockerels at \$1.00 each. W. W. Hamilton, Nickerson, Kan.
WHITE PLYMOUTH ROCKS—Eggs from large, strong, farm raised stock; pen No. 1, \$2.00; pen No. 2, \$1.50 per 15. A few good chicks for sale yet at \$2.00 each. Frank Lott, Danville, Kan.
SINGLE AND ROSE COMB R. I. RED eggs from best laying and richly colored strains in the country, 15 for \$1; \$4 per 100. Single Comb chicks, \$1, \$2 each. Col. Warren Russell, Winfield, Kan.
BARRED ROCKS—Bred for beauty and profit. Winners Topeka, Clay Center, Manhattan. Choice males \$3.00 to \$5.00, 40 females \$1.25 and \$1.50 each. Mrs. D. M. Gillespie, Clay Center, Kan.
FOR SALE—Barred Plymouth Rock eggs one dollar per setting. Baby chicks eleven cents. Indian Runner duck eggs, Blue Ribbon strain, ten cents each. Celeste C. Anderson, Simpson, Kan.
EGGS—Barred Plymouth Rocks, 12 lb. males, 10 lb. females. Free catalog, showing prize winners; real photos. Moderate prices. A. D. Murphy, Essex, Iowa. Vice President State Poultry association.
SHELLEY BROS.' BARRED ROCKS won 70 premiums—34 firsts, specials and sweepstakes—at Kansas largest shows. Eggs, \$3.00 for 15; \$5.00 for 30; guaranteed. Circular free. Shelley Bros., Elmdale, Kan.
RHODE ISLAND REDS.
ROSE COMB REDS—Eggs 65c setting. Ray Daily, Waverly, Kan.
S. C. RED eggs 5 cts. Chicks 15 cts. Mrs. P. D. Spohn, Inman, Kan.
S. C. R. I. REDS—Cockerels \$1 and \$2. Gertrude Haynes, Meriden, Kan.
S. C. RHODE ISLAND RED eggs, \$1.00 setting. A. F. Routh, Holton, Kan.
ROSE COMB REDS, Silver L. Wyandottes, \$1.00. Mrs. Ola Elliott, Delphos, Kan.
PURE SINGLE COMB REDS—Eggs, 15 \$1.00, 100 \$5.00. Belle Tyler, Haven, Kan.
ORNDORFF'S Single Comb Reds, 15 eggs \$1, \$1.50 and \$2.00. R. Orndorff, Lyons, Kan.
ROSE COMB REDS—Eggs from winners at State Show. L. Shamleffer, Douglass, Kan.
SINGLE COMB RED eggs. Pens scored by Emery. Mrs. E. B. Holmes, Hennessey, Okla.
SEND for my mating list of prize winning strain of R. C. Reds. V. J. Kirwan, Severance, Kan.
PURE BRED S. C. REDS—15 eggs 75c, 100 \$3.50; baby chicks 10c. J. B. Scott, Gas, Kan.
PURE S. C. REDS—Vigorous, utility stock. Eggs \$1.00 15, \$5.00 100. Mrs. W. L. Maddox, Hazelton, Kan.
R. C. REDS—Eggs from range flock \$4 per 100; choice pen eggs \$2 per 15. Mrs. B. F. Weigle, Winfield, Kan.
ROSE COMB RED eggs sixty cts. per setting; four dollars per hundred. Mrs. Jas. Shoemaker, Narka, Kan.
S. C. RED eggs. Birds scoring from 90 to 93%. \$2 per 15. Other fine pens, \$1.50. Chas. Jobe, Sedan, Kan.
ROSE COMB REDS—Baby chicks from prize winning stock. \$2.50 a dozen. W. Hardman, Frankfort, Kan.
R. C. R. I. RED eggs from winning strain, \$1.50 for 15. Baby chicks 20c each. Wm. Reeble, Emporia, Kan.
BABY CHICKS, from choicest Rose Comb Reds, 12c. Eggs \$4.00 per 100. Howard Duncan, Conway Springs, Kan.
RHODE ISLAND REDS—Both combs. "Winners bred from winners. Grand exhibition matings. Good yard eggs \$4.50 per hundred. Catalog free. Karl Spellman, New Albany, Kan.

Reliable Poultry Breeders

RHODE ISLAND REDS.
S. C. R. I. RED cockerels \$2.00 to \$3.00 each. Eggs and chicks. Write for prices. S. D. Metzler, Lyndon, Kan.
SIX YEARS a breeder of the R. C. Red. 85 cents 15 eggs, \$4.00 per hundred. Frank G. Stettinisch, Bremen, Kan.
EGGS—S. C. R. I. Reds, fine quality, large bone. Write me. R. R. No. 2. Mrs. Clara Moffitt, Newton, Iowa.
SINGLE COMB RHODE ISLAND RED eggs, \$3 per 100; \$1 per 50. Mrs. Rosa Janzen, Geneseo, Kan., R. 3.
DEEP RED R. C. REDS—Red eyes, long back, big boned, score 91 to 94; circular. Highland Farm, Hedrick, Iowa.
HIGH CLASS Rose Comb Reds. Eggs for hatching guaranteed. Send for mating list. Fred T. Nye, Leavenworth, Kan.
SINGLE COMB Rhode Island Red cockerels. Eggs \$3.00 per 100. Mrs. Wm. Quail, Topeka, R. No. 2. Ind. 2202 Ring L.
ROSE COMB RHODE ISLAND RED eggs from selected matings. Write for mating list. S. W. Wheeland, Holton, Kan.
BLUE-BARRED ROCK and R. C. Red eggs from birds that talk for themselves. Milton Delhi, R. R. No. 1, Lawrence, Kan.
RHODE ISLAND REDS—Both combs. Eggs, 15 \$1.00-\$1.50. Baby chicks, 15 cents each. Mrs. Theron Van Scooter, Irving, Kan.
THOROUGHbred Red cockerels, pullets, \$1 and \$2; both combs. Eggs from choice mated pens. T. N. Marshall, La Cygne, Kan.
JOHNSON'S VITALITY Single Comb Reds. Prize winners. Eggs \$1.00 and \$2.00 for 15. Fertility guaranteed. V. A. Johnson, Porter, Okla.
FINE R. C. R. I. REDS and Barred Rocks. Laying strain. Eggs \$1.00 for 15, \$4.00 per 100. Mrs. L. L. Holmes, R. No. 2, Piedmont, Kan.
BOOKING ORDERS now for baby chicks. S. C. R. I. Reds. Eggs for hatching. Get our prices. C. W. Murphy, 1750 Mass., Lawrence, Kan.
PRIZE WINNING R. I. Red eggs for hatching. Bean, Tuttle, Tompkins strains. Get express prepaid offer. A. M. Butler, Wichita, Kan.
CHOICE Rose Comb Rhode Island Reds, fine shape, splendid color and size, good layers. Eggs for sale. Miss Jessie B. Starr, Vinita, Okla.
BABY CHICKS—EGGS—Pure bred S. C. Reds, selected stock. Prices reasonable. Indian Runner ducklings 15 cts. Mrs. Geo. Tudor, Osage City, Kan.
STANDARD BRED R. C. REDS exclusively. High scoring birds. Great laying strain. Eggs \$1.50 for fifteen. Mrs. I. L. Lafferty, Fredonia, Kan.
RHODE ISLAND RED EGGS \$3.00 per setting. Healthy prize winning strain. Special prices for larger quantities. Charles B. Rickart, Route 5, Rosedale, Kansas.
ROSE COMB R. I. REDS—Prize winners at Frankfort, Atchison and Topeka shows. Pinned eggs, \$2.50, \$3 per 15; range eggs \$1. Hattie Feldhausen, R. 1, Frankfort, Kan.
ROSE COMB R. I. RED eggs from stock selected for large size and good color. The best of winter layers. \$1.00 per 15, \$5.00 per 100. Mrs. A. J. Nicholson, Manhattan, Kan.
FOR SALE—Absolutely the best prize winning Rose Comb Rhode Island Reds. Stock \$3 to \$25 each. Eggs \$1 to \$5 setting. Babies 15 cents. C. R. Colwell, Smith Center, Kan.
ROSE COMB REDS—Large boned; all high scored stock; red to skin; eggs, 15 for \$1.50. Farm range eggs, 15 for 75c; \$4.00 per hundred. Mrs. G. C. Talbot, Route 4, Onaga, Kan.
GET THE BEST—We have the reddest Rose Comb Reds we ever owned; winners of 50 premiums; eggs \$2.00 and \$3.00 per 15, infertiles replaced. Write O. T. Grimes, Hunter, Okla.
ROSE COMB RHODE ISLAND REDS—1912 state show winners, including 1st cockerel. Eggs, \$3 to \$5 per 15. Select range flock \$4 per hundred. Mrs. G. E. Williams, Lafontaine, Kan.
EGGS from prize winning Rose Comb Reds. Yards, \$1.50 per 15; range, \$1 per 15; \$7 and \$5 per 100. Baby chicks 12c. Satisfaction guaranteed. Mrs. Dan Clinkenbeard, Wetmore, Kan.
RHODE ISLAND REDS—Both combs. One of the oldest Red breeders in Kan. Ten matings to furnish eggs for hatching. Fertility and safe arrival guaranteed. Prices within reach of all. Illustrated mating list free. H. A. Sibley, Lawrence, Kan.
DEEP RED R. C. REDS—Pens headed by State Show and other show winners. All scored stock. Eggs cheapest in the West. Quality considered. \$1.00 to \$3.00 per 15. Large yard of choice color, shape and size. \$4.50 per 100. Free circular. Stover & Myers, Fredonia, Kan.
ROSE COMB RHODE ISLAND REDS exclusively. Six years line breeding for color, shape, and eggs. First premiums wherever shown, including 1st pen Tri-state, Parsons, 1912. Baby chicks and incubator eggs specialties. Eggs \$1.00, \$2.00 \$3.00 per 15. Walter R. Meeker, Erie, Kan.
LEGHORNS.
S. C. W. LEGHORN eggs, \$3.00 100. Geo. R. Thomas, Helvey, Neb.
FINE S. C. W. LEGHORN eggs, \$4 100. Geo. Patterson, Melvern, Kan.
SINGLE COMB WHITE LEGHORN eggs. Royal Yeoman, Lawrence, Kan.
S. C. BUFF LEGHORNS—Prize winners. Eggs for sale; \$1.00 per 15, \$5.00 100. George J. Dorr, Osage City, Kan.

Reliable Poultry Breeders

LEGHORNS.
S. C. BROWN LEGHORN EGGS, 15 \$1.00, 100 \$4. Mrs. John Story, Cleo, Okla.
PURE Brown Rose Comb Leghorns. Eggs 3 1/2 cents each. Laura A. Hazen, Hollis, Kan.
RANGE RAISED laying Leghorns. Baby chicks, eggs, catalog. Alex Spong, Chanute, Kan.
CHOICE ROSE COMB Brown Leghorn eggs, \$5 per 100. Mrs. Edd Kelley, Dunlap, Kan.
SINGLE COMB BUFF LEGHORN eggs \$3.00 per 100. Hillside Poultry Farm, Otego, Kan.
PURE S. C. BROWN LEGHORNS—Eggs, 30 \$1.00, 100 \$3.00. S. Oveson, Osage City, Kan.
CHOICE BUFF LEGHORN eggs, 75c per 15, \$4.50 per 100. C. E. Wright, Goodrich, Kan.
PURE BUFF LEGHORNS, S. C.—Eggs, 30 \$1.75, 100 \$4. J. A. Reed, Route 2, Lyons, Kan.
SINGLE COMB BROWN LEGHORN eggs \$5 per 100. Mrs. Wm. Barrett, Lebanon, Kan., Route 5.
R. C. W. LEGHORNS—Choice okls. for sale. Eggs in season. Mrs. C. S. L. Wade, Miltonvale, Kan.
SINGLE COMB WHITE LEGHORNS exclusively. Early cockerels \$1.00 and \$1.50. R. Harrison, Jewell, Kan.
SINGLE COMB BUFF LEGHORNS—Baby chicks, pen eggs and range eggs. Mrs. John Wood, Solomon, Kan.
S. C. WHITE LEGHORN eggs for hatching. All correspondence promptly answered. L. M. Shives, Iuka, Kan.
BUFF LEGHORNS, silver cup winners. Eggs for sale, \$1.50 per 15, \$6.00 100. Mike Klein, Clay Center, Kan.
S. C. WHITE LEGHORNS—A few good cockerels. Eggs for setting, \$1.50 per 15. Theo. Flick, Goodland, Kan.
ROSE COMB BROWN LEGHORN eggs exclusively. 5c each, \$4.00 per hundred. Tillie Wilkins, Miltonvale, Kan.
THOROUGHbred S. C. W. Leghorn eggs, the kind that lays and pays, \$1.00 per 15. J. A. Blunn, Sta. A, Wichita, Kan.
DORR'S prize winning pure Single Comb Brown Leghorns. Eggs \$3.50 per 102; \$2 \$1.25. Chas. Dorr & Sons, Osage City, Kan.
I GUARANTEE safe arrival of eggs from pure Single Comb White Leghorns. 15 \$1.00, 100 \$5.00. C. O. Kelley, Mena, Ark.
WYCKOFF WHITE LEGHORN eggs \$4.00 per 100. Baby chicks \$12.50 per 100. Western Home Poultry Yards, St. John, Kan.
SINGLE COMB BROWN LEGHORNS—Pullet line only. Cockerels, pullets, eggs. Prices right. Tiff Moore, Osage City, Kan.
SINGLE COMB WHITE LEGHORNS—High scoring. Cockerels, Egg bargains. "Old Trusty" incubator agent. Mrs. Albert Ray, Delavan, Kan.
FOR SALE—Prize winning Single Comb White Leghorns. Stock \$3 to \$25 each. Eggs 6 cents. Babies 12 cents. Clara Colwell, Smith Center, Kan.
CORRECTLY COLORED S. C. Buff Leghorns and Mammoth Pekin ducks. Layers. Eggs, \$1 per 15, \$4 per 100. A. Hollister, Winfield, Kan., Route 1.
PURE WYCKOFF STRAIN Single Comb White Leghorns. Stock, eggs and baby chicks for sale at honest prices. Big 4 Poultry Farm, Route 2, Inman, Kan.
WINTER LAYING LEGHORNS—Two hundred. Paid \$5.62 per hen in six months. Baby chicks—eggs—catalog. O. C. Frantz, 47 South Rocky Ford, Colorado.
ROSE, S. C. BROWN LEGHORNS—High class and utility stock. Eggs \$1.50 per 15, \$5.00 100. Place your order early. Plainview Poultry Farm, Lebo, Kan.
SINGLE COMB BUFF LEGHORNS—Prize winning stock. Cockerels and hens \$1 and \$2. Eggs \$1, \$2 and \$3. Circular free. Chas. M. Childs, Pittsburg, Kan., Route 3.
S. C. BUFF LEGHORNS—I have 100 selected hens mated with \$5.00 cocks. Farm raised. Eggs \$1.00 per 15, \$3.00 per 50, \$5.00 per 100. O. L. Hamby, Fair Play, Mo.
SINGLE COMB WHITE LEGHORNS—Eggs, exhibition matings, \$1.50 15; chick 12c each; utility, 75c setting, \$4.00 100. Barred Rocks same. Armstrong Bros., Arthur, Mo.
S. C. W. LEGHORN eggs from my prize winning stock. Won first pen at Topeka December, 1911, on one entry. Write for prices. Otto W. Vesper, 1420 Washington, Topeka, Kan.
LINE BRED Single Comb White Leghorns. 5 first prizes at great Wichita State Poultry Show this winter. Finest in the West. Write for mating list. R. W. Bradshaw, Ellsworth, Kan.
PURE BRED Single Comb White Leghorns, range raised; bred to lay. We offer such as we will not need for our own use at \$1.00 per setting of 15, \$2.75 per 50. Valleyview Poultry Farm, Paoli, Colo.
SINGLE COMB WHITE LEGHORNS—Grand champion sweepstakes winners. If interested in blue blood and egg machines write for my mating list. Eggs, \$5 per hundred. Louis Burre, Leavenworth, Kan.
S. C. W. LEGHORNS—When all said and done, the greatest, easiest, and cheapest money makers; take care of themselves and pay big for chances given. Farm raised, every bird right; large, snow white birds and eggs a specialty. 22 yrs. a Leghorn breeder. No disease. Eggs, \$1.50 per 15; \$6.00 per 100. Larger orders discounted. Everything guaranteed. Geo. S. Phillips, Tecumseh, Neb.

Reliable Poultry Breeders

ORPINGTONS.

S. C. BUFF ORPINGTON eggs \$1 per 15. Andrew Eskeldson, Ramona, Kan.

CRYSTAL WHITE ORPINGTON cockerels. J. L. Carmean, Neosho Falls, Kan.

KELLERSTRASS White Orpingtons. Eggs \$2.00 per 15. Robert C. Boss, La Porte, Ind.

KELLERSTRASS strain White Orpington eggs for sale. Mrs. Emma Kelley, Humboldt, Kan.

BUFF ORPINGTONS exclusively. Eggs and baby chicks. D. C. Moore, Dodge City, Kan.

ROSE COMB WHITE AND BLACK Orpington eggs ten cents each. Eli Sharp, Iola, Kan.

KELLERSTRASS Crystal White Orpington eggs for sale. Mrs. R. A. Jenne, Eureka, Kan.

S. C. BUFF ORPINGTON eggs, 15 \$1.00, 100 \$4.00. Mrs. O. R. Gale, Cherryvale, Kan. Rt. 1.

PURE STANDARD White Orpingtons—None better. Eggs \$3.00. Arad Tyler, Haven, Kan.

CRYSTAL WHITE ORPINGTONS—Cockerels \$2 up. Eggs \$2.50. Jas. Conrow, Burlington, Kan.

KELLERSTRASS—COOK White Orpingtons. Eggs \$1.50. Baby chicks. Gertie Racus, Parsons, Kan.

15 ROSE COMB WHITE ORPINGTON eggs \$1.00. Catalog free. James Chifton, Russellville, Ark.

S. C. BUFF ORPINGTONS—Cockerels, pullets, \$1.00 to \$5.00. Mrs. J. E. Duncan, Williamstown, Kan.

WHITE ORPINGTONS—Some fine females for sale; also eggs. Elm Ridge Poultry Farm, Severy, Kan.

KELLERSTRASS Crystal White Orpingtons. Eggs for sale cheap. D. A. Hassenpflug, Toronto, Kan.

S. C. BUFF ORPINGTONS—Eggs \$1.50 to \$5.00 per 15. Write for mating list. F. H. Church, Altoona, Kan.

BUFF AND WHITE ORPINGTONS—The winter laying kind. Eggs for sale. H. A. Bogle, Pawnee City, Neb.

ZSCHELLE'S ORPINGTONS—Crystal White; Single Comb. Eggs \$2 per 15. Oscar Zschelle, Burlington, Kan.

GUARANTEED EGGS from prize winning Single Comb White Orpingtons for sale. W. A. Zschelle, Burlington, Kan.

WHITE ORPINGTONS—Excellent layers. Settings 2 and 3 dollars. Cockerels for sale. Henry Heise, Lohman, Mo.

S. C. WHITE ORPINGTON eggs and chicks for sale. Cook strain. Dear Lake Park Poultry Farm, Severy, Kan.

SINGLE COMB BUFF ORPINGTONS exclusively. Eggs for hatching. Write for prices. N. L. Fevury, Easton, Kan.

S. C. BUFF ORPINGTONS exclusively. Buff to the skin. Eggs \$1.50 and \$2.00 per 15. Harry J. Muth, La Cynne, Kan.

COOK'S STRAIN Single Comb Buff Orpington cockerels \$2 to \$5. Year old cocks. Mrs. Grant Stafford, Winfield, Kan.

WHITE ORPINGTONS—Best strains. Eggs at utility prices. Mating list and photo free. C. E. Reed, Norton, Kan.

BUFF ORPINGTONS—Owen's strain, line bred and carefully mated. Eggs \$1.50 and \$2.00. Mrs. Earl Vaughn, Esbon, Kan.

KELLERSTRASS White Orpington cockerels. Strictly high class eggs. W. A. Allmon, Cottonwood Falls, Kan.

SINGLE COMB BUFF ORPINGTON eggs \$1.50 per 15, \$6.00 per 100. Free range. Mrs. Otis Russell, Canton, Kan.

EGGS—Kellerstrass White Orpingtons; stay white kind; five and three dollars. Mrs. George Robertson, Lubbock, Texas.

KELLERSTRASS White Orpington eggs, \$2.00 and \$5.00 per setting; satisfaction guaranteed. George Reebie, Emporia, Kan.

S. C. BUFF ORPINGTONS—Have a limited number of my best cockerels left. Mrs. A. Gfeller, Chapman, Kan., R. No. 3, Box 28.

KELLERSTRASS White Orpingtons—Cockerels \$3, \$5. Eggs in season. Catalog free. Phillips Poultry Farm, Rte. 2, DeSoto, Kan.

S. C. BUFF ORPINGTONS—Extra large stock; good buff. Eggs \$1.00 per 15; \$5.00 per 100. Mrs. J. Drennan, Liberty, Kan.

ORPINGTONS—Buff, Black, White; none better; satisfaction guaranteed. Stock and eggs for sale. J. S. Walker, Joplin, Mo.

WHITE ORPINGTONS only. Kellerstrass strain. Eggs \$3.00 per 15. Of the good. Get the best. Sunflower Poultry Plant, Topeka, Kan.

S. C. W. ORPINGTONS—Kellerstrass strain. Eggs \$2.50 and \$4.00 15. Stock \$3 to \$10. Chas. Welch, Ft. Scott, Kan., R. 8.

HAURY'S invincible White Orpingtons. Stock and eggs for sale reasonable. Send for mating list. Dr. Arthur O. Haury, Newton, Kan.

CRYSTAL WHITE ORPINGTONS—Scored to 96%; 15 eggs \$2.00, \$3.00 and \$5.00; catalog free. P. H. Anderson, Box M-53, Lindsborg, Kan.

EGGS—S. C. Buff, White and Black Orpingtons. Setting \$5.00 for 15; 3 settings \$10.00; or \$15.00 per hundred. Buff, White and Black cockerels \$5.00 up. Mrs. Daniel Onstott, 1018 Church Ave., Covington, Kentucky.

Reliable Poultry Breeders

ORPINGTONS.

S. C. BUFF ORPINGTON eggs \$1.50 for a setting of 15. C. L. Vastine, Brownell, Kan.

BUFF ORPINGTON eggs from pure bred stock \$1.50 per setting. Also eggs from M. B. turkeys. Mrs. E. D. Ludwig, Waynoka, Okla.

S. C. BUFF ORPINGTON eggs from birds scoring 92 to 94%, \$3 and \$4 per 15; utility \$2 per 30. Mrs. Bruce Landaker, Hennessey, Okla., Route 6.

CRYSTAL WHITE ORPINGTON eggs from prize winners, \$3.00 and \$5.00. Fertility guaranteed. Catalog free. A. B. Collins, Yates Center, Kan.

KELLERSTRASS White Orpingtons. I won four firsts at Kansas state show, 1912. Stock and eggs for sale. J. L. Vernon, 1905 Lorraine, Wichita, Kan.

SINGLE COMB BUFF ORPINGTONS—Cook's strain. Eggs \$1.00 to \$3.00 per setting, \$6.00 per 100. Satisfaction guaranteed. Frank Fisher, Wilson, Kan.

SINGLE COMB BUFF ORPINGTONS—Prize winning stock. Eggs and stock reasonable price. Ask for free mating list. J. F. Cox, R. 8, Topeka, Kan.

SNOWBALL POULTRY YARDS, Elk Falls, Kan. 100 White Orpington pullets. Hens, score 92 to 96. Eggs and baby chicks. Closing out.

SINGLE COMB BLACK ORPINGTONS—Six firsts, one second; heavy weights; heavy layers. Catalog free. Rose Cottage Poultry Yards, Phillipsburg, Kan.

SINGLE COMB BUFF ORPINGTONS exclusively. Eggs from prize winners \$1 setting, \$4 hundred. Mated pen, \$3 setting. C. Holliday, Woodbine, Kan.

S. C. BUFF ORPINGTONS—Eggs and chicks from blue ribbon winners. Satisfaction guaranteed; infertiles replaced. Orpington Place, Phillipsburg, Kan.

SINGLE COMB WHITE ORPINGTONS—Eggs \$2.00 for 15. Pen hatched from last year's pullets that averaged 174 eggs each. A. A. Heleker, Frankfort, Kan.

ERNEST YOUNT, Chanute, Kan. Eight years' experience breeding Single Combed Buff Orpingtons. Eggs from prize pen \$5.00 15; farm range \$1.00 15, \$5.00 100.

S. C. BUFF ORPINGTON eggs; Cook strain. We have quality; good color; good shape; good layers. Order early. \$3.00 per 15 eggs. L. E. Hohl, Bushton, Kan.

WHITE ORPINGTONS (Kellerstrass). White Wyandottes. Scored by Southard and McClave. Chicks and eggs. Prices reasonable. Mrs. M. Garnant, Kidder, Mo.

THOROUGHbred S. C. Crystal White Orpingtons. Eggs from pen No. 1 \$3.00 per 15, \$5.00 per 30; pen No. 2, \$1.50. Fine stock. Mrs. E. A. Sligham, Kirwin, Kan.

GOLDEN BUFF ORPINGTON eggs, 15 \$1.00, 30 \$1.75, 100 \$4.00. Special matings, 15 \$3.00; only few to spare from this pen. White House Poultry Farm, Salina, Kan.

KELLERSTRASS STRAIN Crystal White Orpington eggs. First pen \$5.00, second pen \$3.00 per 15. Baby chicks 50c each. "Cedar Crest Farm." Hazel Prentice, Fontana, Kan.

KELLERSTRASS White Orpington eggs \$2.00 per setting. We use the magic egg tester and guarantee them. Write for free circular. J. H. Swink & Son, North English, Iowa.

BUFF ORPINGTONS—Breeding stock, eggs and baby chicks from stock winning ten grand prizes at State Fair and Topeka Show; booklet tells, 10c. W. H. Maxwell, Route 99, Topeka, Kan.

S. C. BUFF ORPINGTON eggs for setting from prize winners. I have 5 mated pens. I will sell a limited number of settings at \$2.00 per 15. Chicks 25c each. Chas. Lucen-gene, Rt. 7, Topeka, Kan.

FOR SALE—Single Comb Buff Orpington eggs, \$2.00 to \$5.00 per setting. Baby chicks \$3.00 to \$6.00 per 10. Sired by 3 cockerels direct from Cook that cost \$36. Poor hatches replaced late. Stock \$2.00 to \$20.00 each. Clara Colwell, Smith Center, Kan.

S. C. BUFF ORPINGTONS—Cook strain. Eggs from pen headed by cock taking 2d prize Topeka poultry show, 1911, \$5.00 for 15. Range eggs from closely culled stock and descendants of prize winning stock \$1.50 for 15, \$7.00 for 100. Anna Fleming, Twin Oaks Poultry Farm, Willard, Kan.

FARRER'S BUFF ORPINGTONS have won at Kansas City, Des Moines, Topeka and St. Joseph. Am offering eggs from this prize winning stock. Send for mating list which gives photos and prices. I am a member of the National S. C. Buff Orpington Club and American Poultry Association. H. T. Farrer, Axtell, Kan.

EGGS—B. R. turkeys and White Rocks. Mrs. C. N. Snyder, Effingham, Kan.

PURE Bourbon Red turkey toms, \$5.00. Mrs. F. B. Tuttle, Chanute, Kan., R. No. 2.

PURE MAMMOTH BRONZE tom turkeys. Young, 30 lbs., \$5. Pullets, 18-20, \$3.00. Rosa Knoll, Holton, Kan.

BOURBON RED turkey eggs from large well colored stock, 11 eggs for \$3.00. Mrs. C. B. Palmer, Uniontown, Kan.

TURKEYS—Bourbon Red, Narragansett, White Holland, Mammoth Bronze. S. Durig & Son, Armstrong's Mills, Ohio.

LARGE BRONZE toms, well marked, \$4.00 to \$5.00. Eggs \$3.50 and 6.00, prepaid. Mrs. H. W. Hammond, Higgins, Tex.

BOURBON RED turkey eggs, 2 yr. old breeding stock. Choice in size, color and markings. \$3.00 per 11. Stover and Myers, Fredonia, Kan.

TURKEYS—Bourbon Red, Narragansett, White Holland, Mammoth Bronze. S. Durig & Son, Armstrong's Mills, Ohio.

LARGE BRONZE toms, well marked, \$4.00 to \$5.00. Eggs \$3.50 and 6.00, prepaid. Mrs. H. W. Hammond, Higgins, Tex.

BOURBON RED turkey eggs, 2 yr. old breeding stock. Choice in size, color and markings. \$3.00 per 11. Stover and Myers, Fredonia, Kan.

Reliable Poultry Breeders

WYANDOTTES.

PURE BRED White Wyandotte eggs, 16 \$1.00. W. A. Potter, Frankfort, Kan.

WHITE WYANDOTTES exclusively. Stock and eggs. Mrs. W. A. Gill, Larned, Kan.

WHITE WYANDOTTES exclusively. Eggs 30 \$1.50; 100 \$4.00. Mrs. Will Beightel, Holton, Kan.

GOLDEN WYANDOTTE chicks. Eggs after March first. Geo. W. Shelley, McPherson, Kan.

GOLDEN WYANDOTTES—Eggs, 30 \$1.50, 100 \$3.50. Wm. Anderson, Route 4, Hartford, Kan.

GOLDEN WYANDOTTES exclusively. Eggs 30 \$1.50, 100 \$4.00. Mrs. John Jevons, Wakefield, Kan.

SILVER LACED WYANDOTTE eggs \$2.00 and \$1.00 for 15. \$5.00 for 100. Mrs. Janie Hunt, Lebo, Kan.

CHOICE WHITE WYANDOTTES—Stock, eggs; bargain prices. Mrs. Howard Erhart, Independence, Kan.

WHITE WYANDOTTE cockerels and hens \$1.00 each; eggs 15 \$1.00 or 100 \$4.00. J. W. Rider, Henrietta, Mo.

SILVER LACED WYANDOTTE eggs; fine stock; 15 \$1.00, 100 \$5. Chicks 10c. W. R. Stump, Blue Rapids, Kan.

WHITE WYANDOTTES—Fishel strain; two-pens; \$1.50 and \$1.00 for fifteen. H. R. Hampton, Morrison, Okla.

WHITE WYANDOTTE cockerels \$2.00, 3 or more \$1.75 each. Eggs \$1.25 15, \$4.50 100. C. E. Crane, Conway Springs, Kan.

SILVER LACED WYANDOTTES—Choice cockerels and eggs for hatching, for sale. W. A. Hunter, Manhattan, Kan.

SILVER LACED WYANDOTTE cockerels, well marked, weight 7½ lbs. Eggs in season. B. M. Winter, Irving, Kan.

BUFF WYANDOTTE eggs from carefully selected high scoring birds, \$1.50 15, \$2.50 for 30. P. N. Rees, Solomon, Kan.

"PIX" BUFF WYANDOTTES—Eggs and chicks from prize winners. Write for mating list. Geo. B. Pickering, Olathe, Kan.

WHITE WYANDOTTES—State Show winners. Eggs, \$1, \$1.50 and \$2.50. Write for particulars. Richard Bloom, Fulton, Mo.

GOLDEN WYANDOTTES—Twenty years. Best and most beautiful. Stock and eggs. Write Jay R. Douglas, Mound City, Kan.

SILVER WYANDOTTES—Quality kind. Eggs \$1 and \$2 15; \$5 100. Baby chicks reasonable. Julia Haynes, Baileyville, Kan.

WHITE WYANDOTTE eggs from special mated pens. Prize winners. 15 for \$2.00 or 30 for \$3.50. W. J. Campbell, Savonburg, Kan.

WHITE WYANDOTTE cockerels \$1.00; 15 eggs \$1.00, 100 eggs \$4.00; from heavy laying strain. Mrs. J. R. Antram, Galesburg, Kan.

ONE BLUE RIBBON Rose Comb White Wyandotte cock and eggs same breed. Correspondence solicited. Mary J. Ward, Edmond, Okla.

WHITE WYANDOTTES—Cockerels 75 cents each while they last. 15 eggs fifty cents; 100 eggs three dollars. Mrs. Alice Sellars, Mahaska, Kan.

SILVER WYANDOTTES that are winning in all the big shows. Bred for eggs and the show room. Stock for sale and eggs in season. M. B. Caldwell, Broughton, Kan.

WYANDOTTES—White, Golden, Silver, Buff, Columbian and Partridge. All high scoring, prize winners. Write for egg prices and mating lists. Stratford Brothers, Eldorado, Kan.

SILVER LACED WYANDOTTE eggs, pure bred, farm raised. 15 \$1.00, 100 \$5.00. I guarantee 60 per cent hatch or duplicate order half price. Write for circular. Mrs. H. A. Dressler, Lebo, Kan.

BUFF WYANDOTTES—Five carefully selected pens representing three distinct strains. The finest lot of breeding birds we have ever mated. Mating list furnished on application. Baby chicks 25c each. Eggs \$2.50 per 15; two settings \$4.00. Wheeler and Wylie, Manhattan, Kan.

ENGLISH RED CAPS.

HOUDANS, Red Caps, Buff Rocks, S. C. White Orpingtons and Black Tailed Japanese bantams. Eggs for sale after March 1st, 1912. From any of the varieties at \$2.00 per 15. J. J. A. Manser, Burden, Kan.

GEESE.

GEESSE EGGS, goslings and fine geese feathers. O. Johnson, Wilsey, Kan.

GREAT CHINESE GOOSE eggs \$3.00 per setting of seven. J. F. Kircher, Harrisonville, Mo.

SEVERAL VARIETIES.

FOR SALE—Eggs from R. C. B. Leghorns and Barred Rocks. Good hatch guaranteed. H. E. Whitaker, Fairbury, Neb.

PURE EGGS—Toulouse geese, White Pekin ducks, R. C. Reds. C. Shumway, Manhattan, Kan.

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Reliable Poultry Breeders

SEVERAL VARIETIES.

BUFF ROCK and Pekin duck eggs. J. W. Eastwood, Gas, Kan.

WHITE IVORY ROCKS and Pekin duck eggs for sale in season. Wm. Ritter, Troy, Kan.

INDIAN RUNNER ducks, Buff Rocks. Eggs \$1.00 setting. "Hilcrest," Oliver, Kan.

THIRTY-FIVE VARIETIES thoroughbred poultry. Catalog free. Jordan Poultry Farm, Coffeyville, Kan.

SILVER WYANDOTTES and Buff Rocks. Eggs for sale. \$1.00 and \$2.00 per 15. R. T. Jahnke, Woodbine, Kan.

GOLDEN WYANDOTTES, Buff Cochins cockerels \$1.25 each. Eggs in season. Anna Crabtree, Elk City, Kan.

FOR SALE—Baby chicks and eggs from Black Langshans and S. C. White Leghorns. Mrs. J. E. Gish, Manhattan, Kan.

BARRED ROCKS and White Orpingtons. Rock pullets \$1.00 to \$2.00. Eggs either variety \$5.00 per 15. F. L. Mohr, Oswego, Kan.

43 VARIETIES, Poultry, Pigeons, Ducks, Geese, Turkeys, Guinea, Incubators, Dogs, Catalogue 3 cents. Missouri Squab Co., St. Louis.

FOR SALE—Single Comb Black Minorcas. Cockerels and eggs. Buff Cochins cockerels and pullets. Herbert Rowland, Hanover, Kan.

SILVER STAR POULTRY FARM pays \$1.00 each for poultry 8 weeks old. Wonderful paying proposition. Write quick. Derry Church, Pa.

WHITE WYANDOTTES, Partridge Rocks, pure white Indian Runner and Buff Orpington ducks. We are headquarters. Stocks, and eggs for hatching. J. M. Rahn & Son, R. 16, Clarinda, Iowa.

BARGAIN—Money-makers: Finest thoroughbred baby chicks for sale; 10,000 from leading varieties. Guaranteed alive or replaced. 12 to 50 cents each. C. Colwell's (hatchery), Smith Center, Kan.

EGGS—Rose Comb Reds, Barred Plymouth Rocks, Single Comb Brown Leghorns, White Orpingtons, White Langshans, Houdans. Circular free. Elie Lefebvre, Havensville, Kan., R. No. 2.

SQUABS—Before removing plant, will sell 1,000 pairs Homer pigeons (working daily), at \$1.50 per pair. Easy money raising squabs. Walnut Grove Squab Farm, Hoopeston, Ill.

ROSE COMB REDS, Columbian Wyandottes. Winners and heavy layers. Won again 45 prizes at two shows this winter. Also Golden Seabright Bantams and Indian Runner ducks. Eggs \$1 to \$5 per 15. Mating list free. A. D. Williams, Minneola, Kan.

EGGS FOR HATCHING—Barred Rocks, White Wyandottes, Light Brahmas, S. C. Rhode Island Reds, Black Langshans. Each breed raised on separate ranges by experienced breeders. For descriptive catalog and prices write Afton Pure Bred Poultry Association, Afton, Iowa.

EGGS! EGGS!—From standard poultry at \$6 per hundred. Rocks, Wyandottes, Reds, Orpingtons and Leghorns. We breed all the paying varieties of poultry. Send for guarantee and descriptive circular. Address W. F. Holcomb, Mgr. Nebraska Poultry Co., Clay Center, Nebraska.

EGGS, EGGS—From turkeys, Toulouse and White Embden geese, Rouen, Pekin, Muscovy and Runner ducks; Rhode Island Reds, Leghorns, Houdans, Wyandottes, Hamburgs, Orpingtons, Games, Plymouth Rocks, Langshans, Cochins, Pearl and White guineas. Hen eggs 15 for \$1.00, by the 100 reasonable. Also dogs, rabbits and fancy pigeons. Write for free circular. D. L. Bruen, Platte Center, Neb.

MISCELLANEOUS.

INCUBATORS FOR SALE—Seven slightly used, good as new. A. Koenig, Hanover, Kan.

55 BREEDS Pure-bred Chickens, Ducks, Geese, Turkeys, Guinea, and Cockerels. Also Incubators, Supplies, and Cockerels. Send 4c for large Poultry Book. Incubator Catalog and Price List. E. H. HINIKER, Box 70, Mankato, Minn.

Choice Eggs for Hatching from 32 varieties of Chickens, Ducks, Geese, Turkeys, 100 Premiums at one exhibit. Largest poultry farm in North Iowa. Send stamp for catalogue. E. & J. W. TRETTIN, Grafton, Iowa.

Lindamood's Barred Rocks

For eight consecutive exhibitions our birds won the blue on pens and singles. Pens mated for the season. Eggs from pens \$3 and \$5 per 15. Utility eggs \$4 per 100. Send for circular. C. C. Lindamood, Walton, Kansas.

MONEY MAKING POULTRY

Our specialty. Leading varieties pure bred chickens, turkeys, ducks and geese. Best stock and eggs. Lowest prices, oldest farm, 7th year. Fine catalog FREE. H. M. JONES CO., Box 82, Des Moines, Ia.

PFIL'S 65 Varieties

Land and Water Fowls. Farm-raised stock, with eggs in season. Send 2c for my valuable illustrated descriptive Poultry Book for 1912. Write Henry Pfile, Box 604, Freeport, Ill.



BABY CHIX AND EGGS Barred and White Rocks, Buff and White Orpingtons, Single and Rose Comb R. I. Reds, and M. B. Turkeys. Grown on Separate Farms. Hardy and vigorous. Guaranteed and priced right. Get my printed matter. DO IT TODAY and get your order booked. A FEW GOOD COCKERELS LEFT.
I. M. FISHER, Box M, HASTINGS, NEBR.

The WOMEN

Conducted by



FOLKS

Mabel E. Graves

We want this department to be of practical use to the women who read Farmers Mail and Breeze. If you have any favorite recipe, any helpful hint, whether it concerns the family, the kitchen, the children, the house; or if you have anything to say which would be of interest to another woman, send it to the Home Department editor. Prizes for the three best suggestions received each week will be, respectively, a set of triple-plated teaspoons in the beautiful Narcissus design, a year's subscription to the Household magazine, and a year's subscription to the Poultry Culture magazine.

I hope every woman who reads the Mail and Breeze—that means a good many thousand of us—will register her wish on the subject of equal suffrage this week. You will find the blanks for it in another place on this page. You and I don't know what most of the others think about it. We know what we think about it, and a few of our friends. The men don't even know that much. But the men are going to decide this fall whether we shall have the full right to vote, or not. I don't believe they will insist upon throwing new duties and responsibilities on our shoulders if we really don't want them; and if they can be assured that the most of us really do want them I am sure they will give us the privilege. Kansas men are just that way.

Some women in the state are tremendously in earnest about the question of voting. Some other women have bothered their pretty heads so little about it that even to mention the subject to them seems absurd. But the women of the Mail and Breeze will fairly represent the women of the state. In fact, the Mail and Breeze goes to 75,000 homes; that means probably 90,000 women of voting age, in Kansas. And if we know what 90,000 women think about it we can be pretty sure about the rest.

It isn't just an idea I am asking you to vote on this week. Equal suffrage, if it comes next fall, will be a very real thing to all of us. It will mean that each of us has the right, and that it is our duty, to vote on everything the men vote for, at every election. If it is our duty to vote it will be our duty to vote intelligently, which will mean reading and thinking on the various political questions that may come up. The mere matter of going to the polls hasn't anything to do with it. A half hour spent once a year won't hurt anybody, even the baby.

Since we are going to try to find out just how the women of Kansas feel about this question of voting I hope every one of you who read this will express her wish in the matter. If just a few hundred, or even a few thousand, write to us it may not mean at all what the rest of the 90,000 want. All the women who want to vote I'm sure will say so. If only a part of the women who don't want to vote say so, and if the women who don't care don't say anything, when we get through we will know less about the real condition of affairs than we do now. We want to hear from every woman in Kansas over 21 years of age. The blanks will be printed again so everyone will be sure to have one.

Doughnuts Fit for a King.

(Prize Recipe.)

This is a splendid rule for doughnuts. My ancestors made doughnuts from the very same recipe, except that they used cream of tartar, for that Thanksgiving dinner long ago at which old Chief Massasoit was an honored guest:

Take 3 cups buttermilk, 1 teaspoon soda, 2 eggs, 2 cups sugar, 1 teaspoon baking powder, ½ teaspoon salt, 1 grated nutmeg, 2 level tablespoons butter, 2 quarts flour.

Dissolve the soda in the milk, add the sugar and the beaten eggs, then the butter—which should be soft but not hot—the nutmeg and the salt, and stir well together. Sift the flour and the baking

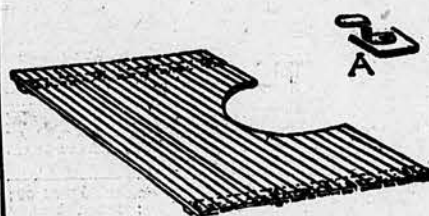
powder together seven times, and stir into the mixture a little at a time. If this amount of flour makes too soft a dough add enough more to make a soft dough that will roll nicely. Roll to half an inch in thickness, and cut with a hole in the center. Fry in deep fat that is so hot the doughnuts will rise immediately, yet not hot enough to scorch. Fry to a golden brown, turning only once. Remove from the fat when done and let stand in a colander for a few seconds, then roll in sugar. Now don't you think Massasoit must have thought the Puritans were wonderful cooks?

Mrs. R. J. Pafford.

R. 3, Salina, Kan.

A Homemade Lap Board.

A lapboard is a great convenience for the woman who sews. A board such as the one shown in the illustration may be constructed from 18 or 20 yardsticks such as are used for advertising purposes and a yard of heavy drilling. With a pencil mark out the half-circular opening and glue the yardsticks se-



END SLATS MAY BE REMOVED.

curely to the cloth. The board can be made any desired width. When thoroughly dry cut the drilling close to the edge of the sticks. Along each end of the lapboard fasten three or four small brass catches (A), and run a thin slat through to hold the lapboard flat when in use. When not in use the slats can be slipped out and the board rolled up for storing away. E. J. Brownell.

New York.

Butter Making Made Easy.

(Prize Letter.)

We built a milk house and tank at very little cost. The lumber was bought from an old house that was being torn down, and my husband built the milk house himself with only a little assistance. It is 12 by 14 feet, built on the south side of windmill so the water is handy.

A tank was built of 2-inch lumber, 2 feet wide, 7 feet long, and high enough so the water comes to the top of gallon jars. The inlet pipe enters tank over the top of one end of tank, while the outlet is below the top at the opposite end. This is the most important feature of our milk house, since without it the cream and butter from our cows could hardly be kept sweet and in prime condition for marketing once a week.

The separator is close to the tank. And now I want to tell you how we managed to fasten it securely without much cost or work. Failing to have cement on hand we got a large blackjack log 3 feet long and large enough in diameter to permit the separator to set on it. We dug a hole 3 feet deep where we wanted the separator and sunk the log—ends ways into the ground until it was buried almost even with the top of ground. After the dirt was settled about it we bolted the separator down to it, and it is solid as can be. Of course in time the log will decay, but not until we shall have time and means to put in a cement floor for our milk house.

We use a large cylinder churn and make butter from all our cream. We have our customers in the nearest town,

14 miles away, who pay us 25 cents per pound for butter the year round. We make 75 pounds of butter a week when the grass pasture is in good condition. We think we have solved the problem of making a living for our family of eight by going at our dairy business in earnest and making it pay.

Mrs. A. W. Johnson.

R. I. Galena, Okla.

How to Have Early Cucumbers.

In March take egg shells, fill them with dirt and put three cucumber seeds in each one, then set the shells in a shallow box partly filled with earth. Keep moist and in a sunny place, and by the time you could plant cucumber seeds out of doors you will have plants ready to vine. Simply set the shells containing the plants in your prepared hills; the shells with crumble away.

Garden City, Kan. Mrs. J. M. E.

No Fire Danger Here.

I am 11 years old and live with my brother-in-law, L. S. Robertson. We take Farmers Mail and Breeze and like it better than any other paper. I will send in a recipe we find very useful. Fill a quart can with 2½ inches or less of coal oil and stand up five or six cobs in the oil. After building one fire put in more cobs for another time. It saves kindling and time, and may save many lives.

Corbin, Kan. Rose Hurley.

Best Way to Wash Sweaters.

If you would wash sweaters without stretching them, do not wring them out or hang up to dry. Wash by pressing and sopping in warm suds, squeeze in the hands or against the side of the tub and rinse thoroughly in the same way. Make a hammock of a large towel by fastening tapes to the corners, then after sweater is rinsed and squeezed place it on the towel, spread out smoothly and put in a place where it will have plenty of air. Mrs. Edith B. Raley.

Hennessey, Okla.

Do You Want to Vote?

If you do, or if you don't or if you don't care particularly whether you do or not, please say so in the squares below and send it in to this office. In just a few months the men of the state are going to decide whether women shall be given equal privileges with men in respect to voting in Kansas. Women now have the right to vote in all city and school elections. If you believe they should be given the same voting privileges as the men, put an X in the square marked "Yes". If you do not believe in women voting more than they do now put an X in the square marked "No". If you don't care one way or the other put an X in the blank square at the end.

YES

NO

Name

Address

This is an expression of opinion by the voting women of Kansas. If you're a man you're not in on this. If you are a woman outside of Kansas please don't take part this time. If you are a woman under voting age, that is, under 21 years old, you are not eligible. But every Kansas woman over 21 years of age is invited to express her wishes on the question of equal suffrage in Kansas. Please fill out the proper blank above, with your name and address, and mail at once to the Suffrage Editor, Mail and Breeze, Topeka, Kan.

Help in Your Dressmaking

"Every Woman Her Own Dressmaker" is a fashion book which not only illustrates all the new styles, but gives plain and simple lessons and instruction on how to make the garments fit and hang like those made by the skilled dressmaker. Patterns may be had from the Pattern Department of Farmers Mail and Breeze for all the designs illustrated. Retail price of the book is 25 cents but we send it free to any reader who encloses two 2-cent stamps to partly pay postage and cost of mailing. Address the Mail and Breeze Pattern Department, Topeka, Kansas.



This Star On Every Heel

The "Society" Shoe is truly a particular shoe for particular women, but better still, it is a "Star Brand" Shoe. Last year "Star Brand" Shoes reached the largest sale the world has ever known—seven million pairs. The beautiful patent leather pump above shown is style No. 5300. It has short vamp, large silk bow, high Cuban heel. Beautiful—stylish—serviceable. All "Star Brand" Shoes are honestly made of pure leather. No substitutes for leather are ever used. That's why "Star Brand Shoes Are Better". "Society" Shoes are made in white buck, canvas, tans, silk whippers, and all popular leathers—all the newest styles. Prices \$3.50 to \$4.00. Beware of impure—adulterated shoes. Insist on having the "Society" with the Star on the heel. It means as much to you as does the "Sterling" mark on silverware. If your regular dealer does not sell them it will pay you to change dealers. Your name on a post card brings book of 30 new styles.

Dept. A-22

ROBERTS, JOHNSON & RAND

MANUFACTURERS Branch of International Shoe Co. ST. LOUIS

HOUSE DRESS FREE!

This pretty new house dress not only has all the elements of good style but it is the most practical dress that can be worn this season. It is the most attractive house dress ever designed. Comes in six sizes, from 32 to 42 inches bust measure, and requires six and one-half yards of material. Gingham, chambray, percale and lawn are excellent materials for housewear, while for street wear, soft silk and light weight woolen materials are very appropriate. To quickly introduce our big home magazine which has all the latest fashions, fancy work department, the latest short stories and many other special features we make this special advertising offer: send only \$1.00 for a trial 6-months subscription to the Household and we will send you this popular dress pattern No. 4850. Address at once, HOUSEHOLD, 124 N. 2nd St., Topeka, Kan. Pattern Dept. 6, Topeka, Kan.

BOYS! This Ball Glove and 50c The Boys' Magazine (6 mos.)

We will also include, without extra cost, a book entitled "Fifty Ways to Make Money" by Walter Camp editor of The Boys' Magazine. Each issue of this magazine is filled with clean, fascinating stories and instructive articles, of intense interest to every live boy. Departments devoted to The Boy Scout, Electricity, Mechanics, Athletics, Photography, Carpentry, Stamps and Coins. Colored covers and beautifully illustrated throughout. This field's glove is made by one of the foremost American manufacturers of finest leather, full padded, leather thumb, deep pocket. Guaranteed. Satisfaction, or money refunded. Order today. The Scott & Redfield Co., 921 Main St., Southport, Pa. The Boys' Magazine at all news-stands, too a copy.

Mail Coupon for Large TRIAL PACKAGE

There are many preparations for the hair advertised but there can be ONLY ONE BEST. We believe FOSO is THE ONE, but we ask nobody to take our word for it. We will therefore send on receipt of coupon below, a large package of this absolutely harmless but effective preparation, and if our instructions are followed, we will prove beyond doubt that FOSO removes Dandruff, stops Falling Hair and Itching Scalp, promotes hair growth, restores natural color and produces a beautiful soft lustrous heavy head of hair.

Mail Coupon Today

Fill in your name and address below, cut out coupon and mail to The Foso Co., 2733 Foso Bldg., Cincinnati, Ohio. Enclose 10c in stamps or silver as evidence of good faith and to help cover packing, postage, etc., and package will be sent you at once by mail, prepaid, free of charge.

Name.....
Street.....
City.....
State..... R.F.D.....

Why Don't You Think

as much about your widow and orphans as you do about your wife and children? All inquiry from you will be treated confidentially. Equitable Life of Iowa. 45th year.

Carmi L. Williams, Topeka, Kan.

HOME DRESSMAKING

These patterns may be had at 10 cents each from the Pattern Department of Farmers Mail and Breeze, Topeka, Kan. When ordering give number and size.



- 5562—Ladies' Waist, 6 sizes, 32 to 42 bust.
 4640—Semi-Princess Dress, 6 sizes, 32 to 42 bust.
 5577—Ladies' Waist, having separate gumpes, 6 sizes, 32 to 42 bust.
 5568—Seven-Gore Skirt, 5 sizes, 22 to 30 waist.
 5602—Child's Tucked Dress, back closing, sizes 4, 6, 8, 10, 12 yrs.
 3519—Dressing Sack, 7 sizes, 32 to 44 bust.
 5274—Ladies' Kimono, sizes 32, 36, 40, 44 bust.
 5593—Ladies' Shirtwaist, 7 sizes, 32 to 44 bust.
 5334—Five-Gore Skirt, 6 sizes, 22 to 32 waist.
 4530—Boys' Russian Suit, sizes 2, 4, 6 yrs.
 5515—Ladies' Waist, closed in back, with under-arm gores, 6 sizes, 32 to 42 bust.
 4419—Ladies' Shirtwaist Dress, 6 sizes, 32 to 42 bust.
 5557—Ladies' Shirtwaist, 6 sizes, 32 to 42 bust.

5534—Boys' Shirt Blouse, With or without yoke facing, sizes 4, 6, 8, 10 yrs.
 5517—Five-Gore Skirt with flounce, 5 sizes, 22 to 30 waist.

Dressing Chickens for Market.
[Prize Letter.]

I have been very successful for the last four years in dressing poultry for private families in our home city. I dress from 8 to 10 a week. It makes no difference what breed you have, so they are a table fowl. I attribute my success to always having nice fat chickens and having them perfectly dressed and cleaned. My plan of dressing poultry is this:

In winter I pen my chickens Friday morning without feed or water and dress them Friday afternoon. In summer they must be penned Friday evening, killed Saturday morning and marketed Saturday afternoon. Their heads must be chopped off, not wrung, as that bruises the neck and prevents their bleeding freely. They should be well scalded in boiling water. Remove all the large feathers and as many pin feathers as possible, and singe if necessary. Some do not need singeing. Cut off the feet at the knee joint, then put in a dishpan with plenty of water and clean thoroughly. I use a short, dull, round-pointed knife and scrape out every pin feather. Be sure you scrape off all the scurf; this I consider one of the main points in dressing poultry.

Cut off the neck, leaving not more than 2 inches, as a long neck is unsightly. Rinse and put in clean water. Remove the crop and windpipe, cut off the oil bag, then cut around the vent and tie tight with a string. Slit to the breast bone and remove the entrails, being careful to remove all the lungs and the liver-like substance that lies in the cavity of the back. Wash thoroughly on the inside with clean water. Carefully clean heart, liver and gizzard and place them inside the fowl, also put in the surplus fat.

Look your fowl over to see that it is perfectly clean, then put to soak in a vessel of clear cold water. Have it well under water and let stand until you are ready to start to town. Then drain, weigh, pack in a clean vessel and cover with a clean white cloth. I get 20 cents a pound for hens-the year round, and 22 cents a pound for fies when I have them. Fies should weigh from 2 to 2½ pounds dressed. I set my own price, which is from 3 to 5 cents a pound above the butcher price for, as my customers say, my chickens are in a class of their own, because they are cleanly dressed and ready for immediate use, which the butcher's fowls are far from being.

I am never in want of a customer as I deal with first-class people and can always sell more than I have time to dress. In my four years' experience marketing dressed chickens I have never had a dissatisfied customer nor lost a penny, although I do not do a strictly cash business. I also get a premium of 3 cents a dozen on my eggs, as they are strictly fresh and clean. My customers have often told me I have the finest flavored chickens they have ever eaten. Anyone can build up a good trade on dressed chicken if she will let cleanliness be her watchword.

Farmer's Wife.
Guthrie, Okla.

Kafir Corn a Food for Man.

Kafir corn is good as food for man. We take the whole grain and boil it until the grains begin to break, not too much, and serve it with milk and sugar. Also, if it can be ground fine enough it makes fine pancakes. Put the whole grain in a very hot skillet, cover it and shake often; it will pop as well as popcorn and make a more tender white cap than popcorn. The popped Kafir corn also makes excellent balls made the same as popcorn balls.

C. C. Mendenhall.

Eagle City, Okla.

Moonshine Pie.

Bake a good piecrust to a delicate brown. Then take 1 pint thick sweet cream, 4 tablespoons sugar, a small pinch of salt and ½ teaspoon vanilla, whip until stiff and pour into the cooled crusts. Take yellow peach preserves and place a half in the center of pie. Cut up other peaches in small pieces and scatter over the pie to represent stars.

Mrs. Elmer Million.

R. 3, Pond Creek, Okla.

Trial trip until June 1, 1912 for 10 cents, Mail and Breeze, Topeka, Kan.

FAT VANISHES

ONE POUND A DAY

NEW DRUGLESS TREATMENT

\$5,000.00 IN GOLD IF SHE FAILS

Tens of Thousands of Grateful Patrons Proclaim This Wondrous Drugless Fat Treatment the Climax of Efficiency.



Looked as Fat as an Ox Before I Reduced My Weight with My Great Drugless Treatment.

REDUCE FAT QUICK

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SAFE and SENSIBLE
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No Starvation Diet; No Dope; No Pills; No Poisons; No Sweating Jacks; No Bandages; No Rollers; No Electricity; No Nerve-wrecking Gymnastics or Harmful Exercises; No Cupping Cups; No Soap; No Mental Healing; No Hypnotism; No Foolishness.

Nothing Harsh or Harmful—Simply Delightful Treatment and Joyous Results for Slight Effort. You Can't Get My Treatment From Any One Else in the Whole Wide World.

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After Reducing My Weight 37 lbs. in Five Weeks with My Harmless Home Treatment.

TRUE SUCCESS AT LAST

THE JOY OF LIVING IS THE HERITAGE OF THE LEAN. I WAS FAT—AND I KNOW.

My friends were charitable and they called it obesity, others referred to me as being STOUT, but I know, it was just plain bulky fat. I was miserable—you, too, are equally miserable if you are too fat. To reduce your weight you must find the cause; you must get at the very reason. I FOUND THE CAUSE—THE REST WAS EASY. Before I succeeded, I tried everything within reason and some things beyond reason. It was maddening, disgusting. But, I found a way out.

All I had to do was to remove the cause and I swear under oath, that by my simple method, without drugs, medicine, harmful exercises, or starvation diet, I reduced my weight 37 pounds in five weeks, and I guarantee that I can do the same for you. I do not use medicine of any kind, or worthless stuff to rub on the body. Just a simple home treatment that even a child can use without harm. Through this marvelous combination home treatment, I succeeded because I had found the right way. I can now climb to the summit of Pike's Peak with ease. I could not do that until I had taken off 37 pounds of my ponderous weight, my new way.

If you are interested in your own happiness, health and figure, you will permit me to tell you how to reduce your weight "Nature's Way"—the true and sure way.

Why permit too much fat to make you miserable when my drugless combination home fat-reducing treatment will make you happy, bringing you peace, prestige, power and poise and proper proportions in face and figure?

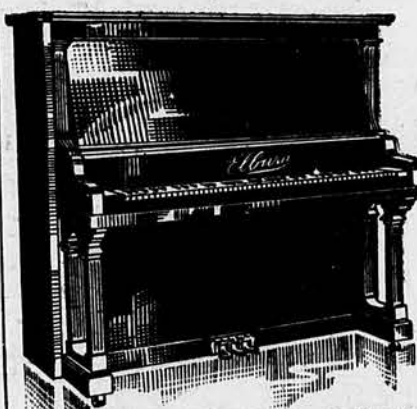
It is astonishing the thousands of grateful letters I am receiving. J. E. Boisselle, Box 422, Great Bend, Kan., writes that he has lost fifty pounds with my harmless treatment. W. L. Schmitz, Montevideo, Minn., lost thirty pounds in thirty days. Mamie McNelly, Desloge, Mo., writes that she lost 65 lbs. with my treatment, and I can give you thousands of names of satisfied customers.

I have prepared a book for you entitled, "Weight Reduction Without Drugs," which I am giving away free and sending prepaid, so that you may know of my successful treatment and quickly reduce your fat secretly at your home, without harmful exercises, starvation diet, pills, drugs or medicines. I will send this valuable and interesting book FREE to all fat persons only who ask for it, so write this very day for your copy. It will surprise you. I offer \$5,000 in cash if I fail to prove that my great drugless treatment is anything but safe, quick and harmless in fat reduction. I have found that the best way to know happiness is to give it.

Sincerely your friend.

MARJORIE HAMILTON

Suite 9991 Central Bank Bldg., Denver, Colo.



A Dozen of Your Hens Can Easily Earn This Beautiful Piano

\$1.50 Per Week

Will buy the Elburn H-2. Positively worth \$225 \$50 to \$150 more than we ask, our price only \$225

Gentlemen—Received the Elburn piano a few days ago, and am very much pleased with it. We had an Elburn piano at home. When I was married and wanted a piano for my home I wanted an Elburn because I like them better than anything I know, so this makes the second Elburn Piano. Respectfully, MRS. GEORGIA LOGAN, R. F. D. No. 2.

You Don't Pay a Cent Until You Are Convinced by Trial of the Remarkable Beauty and Merit of This Piano.

We send it to you absolutely free. You pay no money until the piano is in your home and your friends have thoroughly tested it. We say this piano is actually worth from \$50 to \$150 more than our price, judged by prices obtained by other dealers. Every day sees the popularity of this piano grow. Thousands of Elburns are in Southwestern homes. You can trust the word of the dealer who sells it. Any bank piano and you can absolutely trust the reputation Jenkins has for integrity, lowest prices and best pianos. Why not write for a catalog today? We also have many choice bargains on hand in slightly used pianos from \$50 up. (Small monthly payments). Write today.

J.W. Jenkins' Sons Music Co., Kansas City, Mo.

FARMERS CLASSIFIED PAGE.

Advertisements will be inserted in this department at the low price of 5 cents per word each insertion for one, two, or three insertions. Four or more insertions only 4 cents per word each insertion. Cash must invariably accompany the order. Remit by postoffice money order. No order taken for less than \$1. This does not mean that a single insertion of your ad must cost \$1, but that your total order must reach \$1. All advertisements set in uniform style. No display type or illustration admitted under this heading. Each number and initial letter counts as one word. Guaranteed circulation over 104,000 copies weekly. Everybody reads these little ads. Try a "Farmers Classified" ad for results.

SEEDS AND NURSERIES.

COWPEAS for sale. D. J. Yoder, Haven, Kan.

WHITE SEED CORN. John Shumway, Manhattan, Kan.

ALFALFA SEED for sale. James Hollis, Quincy, Kan.

1,500 LBS. choice alfalfa seed for sale. H. L. Vanderwark, Arrington, Kan.

SEED CORN—Hiawatha Dent. Other varieties. Harry Haynes, Meriden, Kan.

ALFALFA SEED GUARANTEED—\$7.75 per bushel. P. Hargrove, Texhoma, Okla.

CHOICE fruit trees, ornamentals, berry plants. Waverly Nurseries, Waverly, Kan.

SEED CORN—Boone Co. White, \$1.50 per bu. Geo. L. Wright, Route 3, St. John, Kan.

RAISE GOLD—I have the seed. Alfalfa, potatoes, fence posts. F. D. De Shon, Logan, Kan.

SENATOR DUNLAP strawberry plants. Prices reasonable. R. A. Jenne, Eureka, Kan.

CHOICE non-irrigated alfalfa seed \$8.00 per bu., sacks free. Wallace Libbey, Larned, Kan.

FOR SALE—Clean, pure, Era cowpeas at \$2.25 per bu. at Tyro station. W. H. Parks, Tyro, Kan.

STRAWBERRY PLANTS—250 best 5 varieties for \$1.00; \$3.50 per 1,000. C. R. Tuttle, Baraboo, Wis.

COWPEAS—Whippoorwill, \$2.25 a bu. Sacked and delivered at Aline, Okla. J. C. Wallenstein, R. No. 3.

PURE unwashed Halbert Honey and Rubber Rind watermelon seed. H. A. Halbert, originator, Coleman, Texas.

ALFALFA SEED, \$10.50 bushel, guaranteed free of dodger. Freight prepaid. J. H. Glenn, Farmer, McAllister, Kan.

FINE ALFALFA SEED, free from weeds and Russian thistles, \$10.00 per bushel, sacks free. Geo. Helsel, Pratt, Kan.

ALFALFA SEED—Good quality non-irrigated alfalfa seed in large or small quantities. David Badger, Eureka, Kan.

KAFIR CORN—Blackhull White, pure, re-cleaned seed. Sacked and carried \$1.25 bu. C. E. Crane, Conway Springs, Kan.

WRITE for prices on high grade western grown nursery stock. Salesmen wanted. Brown's Nurseries, Hutchinson, Kan.

EXTRA select Boone Co. White Pearl, Sunflower and Hildreth seed corn. Free catalogue. A. J. Nicholson, Manhattan, Kansas.

RASPBERRY plants, 75 for \$1; 500 for \$4.50; 1,000 for \$7.50. Kansas Cumberland and Turner, John Brazelton, Wathena, Kan.

ALFALFA SEED guaranteed free from weed seed, \$8 per bushel sacked. Also Bermuda roots \$1 per sack. H. J. Earl, Yukon, Okla.

KANSAS SUNFLOWER, Reid's Yellow Dent, Boone County White seed corn. Catalog on request. Fred Sanders, Route 3, Concordia, Kan.

FOR SALE—Three hundred bushels of alfalfa seed at eight dollars per bushel. f. o. b. the cars Bazaar, Kan. Crocker Bros., Matfield Green, Kan.

SEED CORN—400 bushels of choice white Pearl corn at \$1.50 per bushel. A large dent corn, one of the very best varieties. W. A. Hunter, Manhattan, Kan.

100 **STRAWBERRY** plants, 2 varieties, prepaid fsc. 300 for \$2.00. Send for catalogue of fruit trees and berry plants. Hollinger Bros., Box 51, Rosedale, Kan.

WRITE to us for the lowest kind of prices on Early Richmond and Montgomery cherry trees. We have a surplus. Lost Springs Nursery, Lost Springs, Kan.

SEED CORN—Kansas Sunflower. Highest yielder in seven year variety test. Experiment Station. Best drought resister. Corn breeder. J. M. McCray, Manhattan, Kan.

JOHNSON COUNTY White seed corn for fertile soil. Won second prize at Manhattan. Price \$2.00 per bu. Germination satisfactory. H. H. Neumann, Hanover, Kan.

FOR SALE—Selected ears. Improved Golden Beauty seed corn, \$2.00 per bu. Poland and Duroc boars and gilts. Prices reasonable. Laptads Stock Farm, Lawrence, Kan.

ALFALFA SEED—Offer extra quality alfalfa seed, non-irrigated, \$9.00 bu., delivered any station in state Kan. Sack free. Sample sent on request. L. A. Jordan, Winona, Kan.

KANSAS SUNFLOWER and Boone county White seed corn, college bred, tested, germination good. Shelled, graded and sacked f. o. b. \$1.75 per bushel. Mo. Pacific. W. T. Foster, Republic, Kan.

MILLIONS of vegetable plants for sale. All kinds and varieties. Also flowering and decorating plants in abundance. Write for prices. Alonzo Bryan, wholesale and retail florist, Washington, N. J.

FOR \$1 I will send you 8 apple, pear, peach, plum or cherry trees, all budded or grafted, select varieties, or 75 raspberry, blackberry or dewberry, or 20 grape, currant, gooseberry or thubarb, or 100 asparagus or 200 strawberry plants. Catalogue free. Manhattan Nursery, Manhattan, Kansas.

SEEDS AND NURSERIES.

SEED CORN—Boone County White seed corn grown from thoroughbred corn from K. S. C. Also white and yellow corn grown in 1910. Price \$1.75 bushel sacked f. o. b. Ask for samples. J. W. Machin, Wamego, Kan.

SEND \$2.00 for sample bushel (in the ear) of my large early tested seed corn (color yellow). If more is wanted will send shelled or in the ear. Reference, First Bank of Nickerson, Neb. Address W. H. Mendenhall, Nickerson, Neb.

WHITE AND YELLOW seed corn for sale. Tested 90 and 95 per cent germinate. Shelled, sacked, f. o. b. cars Humboldt, Kan., at \$1.50 and \$2.00 per bush. Cash with order. Josiah Wood, dealer in hay, grain and seeds, Humboldt, Kan.

PURE BRED yellow seed corn. Early Monroe, Mammoth Drought Proof, Sunflower, Hiawatha. Grown by me for very successfully for past five years in central Kansas. Write for prices and other information. Arthur Whitel, Sterling, Kan.

BUY YOUR watermelon seeds of the grower. Georgia, Rattlesnake, Kalb, Gem, Florida Favorite, Kleckley's Sweet, Alabama Sweet, Sweet Heart, Arkansas Traveler, Vick's Early, Light Ising, twenty (20) cents per lb. One hundred pound lots at 15 cts. per lb. Come to these prices. Am always pleased to send samples. Have grown melons for seed since 1889. John L. Boies, Liberal, Kansas.

HORSES, CATTLE, HOGS, SHEEP.

GALLOWAY bulls for sale. Jake Darrow, Miltonvale, Kan.

SHETLAND ponies and good jacks for sale. Chas. Stephens, Columbus, Kan.

FOR SALE—6 good young mules. 4 good young geldings. L. O. Wallace, Howard, Kan.

FOR SALE—Bay Percheron stallion; recorded; cheap. John Schwalm, Clarksdale, Mo.

FOR SALE—Black Shetland stallion and mare, \$85.00 and \$100.00. N. B. Hoyt, Sedan, Kan.

FOR SALE—2 black jacks 7 yr. old, 2 Percheron stallions, colts to show. Levi Shepard, Kincaid, Kan.

AM "long" on Jersey bulls—some are from my best cows and royally bred. Chester Thomas, Waterville, Kan.

SHETLAND ponies—Thirty breeds. Cattle, sheep, hogs, dogs. Catalog four cents. J. Stodghill, Shelbyville, Ky.

JERSEYS for sale in bunch. One bull and 7 cows 3 to 7 years; unregistered; good ones. N. E. Copeland, Waterville, Kan.

HOLSTEIN bull calves; high grades, from registered sire; \$15.00, two for \$25.00. Crated f. o. b. W. A. Schreier & Sons, Argonia, Kan.

FULL BLOOD Holstein bull calves and yearlings and same grade calves related to the best Holstein stock in America for sale. Regier, Whitewater, Kan.

FOR SALE—Two registered Holstein yearling bulls ready for service. Sire Prince Lella De Kol 2d. No. 53602. Dams, young cows giving 6 and 7 gallons milk a day. W. H. Surber, Peabody, Kan.

DOGS.

TRAILHOUND pups for sale. Dane Faier, Elk City, Kan.

SCOTCH COLLIE pups, good color and good workers. Address A. W. Toews, Inman, Kan.

THOROUGHbred Scotch collie and bull terrier pups for sale. H. O. Woodbury, Olathe, Kan.

FOR SALE—One registered English bull terrier bitch 2 yrs. old. Also 2 pedigreed puppies. Box 323, Halstead, Kan.

FOR SALE.

50,000 **HEDGE** posts for sale in car lots. W. H. Bitts, Melvern, Kan.

FOR SALE—Twenty-five thousand hedge posts. H. W. Porth, Winfield, Kan.

FIFTY TONS prairie hay \$12.00 f. o. b. Wilroads or Dodge City. Elmer Riley.

FIRST MTG. on Logan Co., Kan., land. Inquire of Peter J. Reedy, Wamego, Kan.

FOR SALE—Baled hay, hedge posts, cane, Kafir and millet seed. P. Ludvickson & Co., Severy, Kan.

I OFFER one Bragg Tree Digger, practically as good as new. Price \$12.00. G. F. Espenlaub, Rosedale, Kan.

THREE GREAT PIANOS—Steinway, Stock, Yose. Write for prices. Jenkins Music Co., Kansas City, Mo.

FOR SALE—40,000 lbs. best leaf tobacco. Mail stamps for samples to Anton Wavrin, Franklin, Ky. R. No. 5.

FACTS AND FIGURES on silos and silage. A book that is selling by the thousand. Price 25 cents. Glen G. White, Beloit, Kan.

SEND ONE DOLLAR for complete plans, drawings and full directions for making and operating the Columbine Stacker. Cheapest, fastest and most scientific hay stacker invented. Can be made by any farmer. John Heusi, Arrada, Colo.

FOR SALE.

FOR SALE—Very cheap if taken by April 1st. Avery undermounted engine 22 horsepower and plows. A. Stitt, Michigan Valley, Osage, Kan.

FOR SALE—A modern residence in county seat town for farm or small stock of merchandise. Ernest Dial, Cawker City, Kan.

FOR SALE—16 H. P. traction engine. New flues, new stack; new tank. In first class running order. G. C. Munsey, Fredonia, Kan., Route 2.

BRAND new buggies, surreys and spring wagons at greatly reduced prices; bankrupt stock. Bauer Machine Works Co., 18th and Baltimore, Kansas City, Mo.

SYRUP—Pure Louisiana sugar cane syrup. Put up at the mill in sealed cans. Six one gallon cans at \$4.00; 12 half-gallon cans for \$4.25. All delivered. Address Mary & Tuma, Washington, La.

FOR SALE—Hart-Parr 45 brake 22 horse power gas tractor, steel gear plowing and threshing engine, used 105 days. Advance separator 32-52, never been wet, threshed 52,000 bushels of grain. La Crosse disc gang, plow, plowed 150 acres, power hay press, baled 230 tons. Will sell the outfit for \$1,900 at my home 1 1/2 miles south of stockyards. George Seitz, South St. Joseph, Mo.

FOR EXCHANGE.

FOR TRADE—School lease, Caddo county, Oklahoma, for western Kansas land. Box 61, Hill City, Kan.

FOR TRADE for anything. Undermounted Avery, 22 horsepower and 10 bottom plow, nearly new. Max Krummel, Rice, Kan.

EXCHANGES of farms, ranches, city property and merchandise a specialty. List mailed free. John A. Knox, 3904 Arsenal St., Saint Louis, Mo.

EXCHANGE land for horses, hogs and cattle. 120 of 200 a., all good land for anything—alfalfa, corn, wheat, oats, potatoes or anything you may want to plant. Two good orchards, 80 fenced with woven wire. 25 alfalfa, plenty water and timber. Write for the particulars and tell what you have to offer. C. L. Boling, Emmett, Kan.

FOR SALE OR EXCHANGE.

QUICK sales exchanges, large property list. Write John L. Maurer, Omaha, Neb.

FOR SALE or **EXCHANGE** for farm, best paying pool room and cigar stand in the city. Cheap rent, small expenses. Clearing \$250.00 per month. Write for particulars. Box 192, Coffeyville, Kan.

FOR SALE or **TRADE**—Four qr. sec. choice San Luis valley, Colo., irrigated 1 nd. produces immense crops, never fails. Abundance of water, subirrigated, artesian wells; don't miss this; write today. Box 36, Formoso, Kan.

FOR SALE or **EXCHANGE**—Best newly equipped hotel in town of 5,500 population. Owns its gas and water plant. Price \$12,000.00. Want clear farm or city property. Might lease to responsible party. Apply Chas. W. Bandle, Mena, Ark.

HONEY.

GENUINE "FACEY" QUALITY" HONEY—One 30 lb. can of clover, basswood or raspberry honey, \$3.45; two or more cans, 11 cts. per lb.; 60 lb. cans, \$6.30 each. This honey is guaranteed strictly pure and of a quality that will afford a real treat to the purchaser. What some of my customers say: "M. V. Facey, Preston, Minn.—Last year I got two cans of honey of you, and it was extra fine. Last fall I bought a can from a store here, and it is far from being as good as yours. Enclosed find \$6.60 for two more 30 lb. cans of clover honey."—A. S. Christianson, Dodge Center, Minn., Feb. 26, 1912. P. V. Collins, editor and publisher of the Northwestern Agriculturist, Minneapolis, Minn., writes: "We never realized the exquisite flavor of honey until we received a can of your honey; it surpassed anything we had ever eaten." Send for price list. M. V. Facey, Preston, Fillmore county, Minn.

TYPEWRITERS.

TYPEWRITER—Elegant Underwood Visible; cheap. Address quick, Postoffice Box 2, Lawrence, Kan.

OLIVER visible typewriter for sale cheap. Perfect condition and does splendid writing. Could send on trial. Charles B. Rickart, Route 5, Rosedale, Kan.

PATENTS.

STEWART BROWN, Patent Attorney. Write for particulars. Address Wichita, Kan.

SEND FOR FREE BOOKLET, All About Patents and Their Cost. Shepherd & Campbell, 500 C Victor Bldg., Washington, D. C.

PATENTS THAT PAY. \$427,530 made by clients. 2 books—"What and How to Invent—Proof of Fortunes in Patents" and "112-p. Guide free! Free report as to patentability. E. E. Vrooman, Pat. Atty., 885 F St., Wash., D. C.

LANDS.

BARGAINS in eastern Oklahoma farms. F. S. Ashleman, Nowata, Okla.

RELINQUISHMENT, near Rocky Ford, Colo.; 160 a. under good irrigation system; good climate for tuberculosis; money making investment. \$1,600 cash. O. A. Duncan, Conway Springs, Kan.

LANDS.

DEAL DIRECT by listing with us. List of trades free. Exchange Co., Cassoday, Kan.

FOR SALE—160 a. fine land in eastern Colorado, \$700.00. M. F. Welch, Concordia, Kan.

SEVERAL BARGAINS—Farms \$6.00 per a., rich soil; all tillable; good location. Write Chas. Link, Obar, Quay Co., N. M.

SELL YOUR PROPERTY quickly for cash. No matter where located. Particulars free. Real Estate Salesman Co., Dept. 5, Lincoln, Neb.

FINE ARKANSAS lands, bottom and upland farms, any size you want. Low prices, easy terms. Southern Realty Company, Fayetteville, Arkansas.

FOR SALE—160 acres 3 mi. of Sharon, Kan. All lies in valley, well improved. Good alfalfa land, all kinds bearing fruit. Owner, Box 46, Sharon, Kan.

FOR SALE in Florida. 101 a. farm, fine soil, good water, good buildings, 300 fruit trees. Price \$7,500. A bargain. (Mrs.) Frank H. Thompson, Earleton, Fla.

PECAN profits are amazing; free booklet tells how you can own a Florida pecan orchard by small monthly payments; write today. American Pecan Co., Gainesville, Fla.

OLD VIRGINIA FARMS! 700 bargains. Send for catalogue. Low priced lands. Mild climate. Casselman & Co., (established 20 years), 1018 E. Main street, Richmond, Va.

450 ACRES Colorado Co., Tex.; improved; 6 miles to town; station 1/4 mi.; 100 acres in cultivation; 50 acres timber; rest prairie. Address Owner, Chris Reble, Eagle Lake, Texas.

RANCH in N. E. Ellis Co. Six qrs. Two sets improvements. Plenty good water, 240 acres farm land. All or part \$20.00 per acre. Terms on part. E. W. Buffum, Codell, Kan.

INVESTIGATE WYOMING—60,000 acres, completed irrigation system, abundant water. 35,000 acres Carey Act lands. Rich soil. Low prices. Easy terms. Wyoming Development Co., Cheyenne, Wyo.

FREE FARMS—Government lands free; 1,000,000 acres in Arkansas for homesteading. Where located and how secured shown in our 1912 booklet. Sent postpaid 25c. Glass & Co., Harrison, Ark., Dept. A.

FOR SALE—\$1,000.00 cash will handle this 200 a. grain and stock farm in Pike Co., Mo. \$1 1/4 mi. R. R. town, 1 1/2 mi. to gravel road to 3 good towns; will take some trade. G. R. Miller, Bowling Green, Mo.

FOR SALE—640 acre farm; well improved; good fences; good wells; 100 acres pasture; fine stock, grain and alfalfa farm; 8 miles from town in Pawnee Co.; on R. F. D. and telephone; fine location. Write or call on G. P. Zwink, Rozel, Kan.

DON'T BUY without our list. Good bargains; reasonable terms. Fine irrigable 80 acres in Platte valley, Colorado, \$30 per acre, good terms. Can't beat this. Improved 80, Reno Co., \$5,000; a bargain. Langdon Land Co., Langdon, Kan.

ALFALFA LANDS for \$25 to \$35 an acre in Alabama without irrigation are some of the best in U. S. Recommended by Report 86 of Department of Agriculture, Washington. Northern people just finding them out. Write me. E. E. Secor, Selma, Alabama.

ALFALFA FARM for sale; 200 acres; 7 miles from Burr Oak, Kan.; 6 room house, barn, well, wind mill; 110 acres alfalfa; bal. farm land and pasture; orchard; possession given up to July first. Price \$50.00 per acre; terms. Davis & Haworth, Burr Oak, Kan.

163 **ACRES** mostly level, slightly rolling. 40 acres cultivated, balance scattering pine timber. House and other buildings. Can grow anything except wheat. 3 hours' ride from best market and largest city in South. Price \$2,500.00, one-half cash, balance easy terms. Address 35424, care this paper.

FORCED LAND SALE—Cattle, hay and grain ranch 8,400 acres deeded land, fine perpetual free water right for 4,000 acres. Price \$15.00 per acre. Adjoins forest reserve; lease to 6,000 acres and reserve rights transferred free. Will produce 3,000 tons hay, besides small grain, etc. Terms. Sheep grazing land \$2.00 per acre, 32,000 acres deeded, well grassed, on railroad, easy terms. Can offer rare bargains in improved irrigated farms. The Armstrong-Williams Realty Co., 825, 17th street, Denver, Colorado.

20,000 **ACRES** of choicest eastern Colorado land just south of the Nebraska line. Soil dark black loam, 4 feet deep, underlined with clay. Slightly rolling. Climate mild. Rainfall over 40 inches on the average for 6 years. Water abundant and good, 65 feet and upwards. Country healthy. Roads good. No hills. Local market takes everything grown at a high price. Everything like corn, roots and vegetables are heavy producers. Potatoes produce over 300 bushels per acre and of superb quality bringing a specially high price. Want a few live agents to represent us. A. C. Wagner, Mgr., Platte River Valley Land Co., Omaha, Neb.

FARMS FOR SALE.

ADVERTISE YOUR PROPERTY in Kansas Weekly Capital for quick and sure results. 100,000 circulation guaranteed—among best farmers in Kansas. Advertising rate only 25c per line of seven words. Address Kansas Weekly Capital, Adv. Dept., Topeka, Kan.

FARMS WANTED.

FARMS WANTED—We have direct buyers. Don't pay commissions. Write describing property, naming lowest price. We help buyers locate desirable property free. American Investment Association, 28 Palace Bldg., Minneapolis, Minn.

TENANT WANTED.

TENANT WANTED—To farm 360 acres alfalfa land irrigated from pumping plant, Morton county, Kansas. New residence. Fertile soil. Good water. Give references, resources and experience. J. B. Watkins, Lawrence, Kansas.

MALE HELP WANTED.

EARN \$35 PER WEEK—Learn automobile trade. Positions. Write Auto School of St. Louis, 1105 Pine St., St. Louis, Mo.

GOVERNMENT farmers wanted. Examination April 10. \$60 monthly. Many needed. Write Ozment, 38F, St. Louis.

WANTED—Capable men to act as county representatives in every county in Oklahoma. Address Farmers Mail and Breeze, Topeka, Kan.

BE A DETECTIVE, earn from \$150.00 to \$300.00 per month; travel all over the world. Write C. T. Ludwig, 1881 Scarritt Bldg., Kansas City, Mo.

WANTED—Reliable man to sell nursery stock. We have a splendid position to offer. Write today for particulars. James Truitt & Sons, Nurserymen, Chanute, Kan.

MEN LEARN automobile business. \$25 weekly job guaranteed. Home instructions. Start now, be ready for spring. Booklet free. Rochester Auto School, 873, Rochester, N. Y.

SALESMEN wanted in Kansas, Oklahoma, Missouri and Arkansas. Work full or part time, as you prefer. Pay weekly. Outfit free. The Lawrence Nurseries, Lawrence, Kan.

WANTED—Men. Learn barber's trade. Best opportunity ever offered. Wages from the start. Steady job guaranteed. Palmer's Shop System, Joplin, Mo., or Little Rock, Ark.

YOUNG MEN 18 to 45 for railway mail clerk and other civil service positions. 43,000 appointments annually. Latest manual and questions free. Civil Service Training Assn., 818 Wyandotte, Kansas City, Mo.

I WANT TO HIRE that spare team and man of yours until the spring work opens up. Good wages paid to right party. For particulars, write Circulation Department, Farmers Mail and Breeze, Topeka, Kan.

WANTED—Railway mail clerks. Examination May 4. \$1,200 yearly. Thousand needed. Write Ozment, 38, St. Louis, for Free Trial Lesson. He conducted Government Examinations. Write him immediately.

WANTED—A reliable and responsible man to represent the Farmers Mail and Breeze in every county in the states of Kansas and Oklahoma. Good wages and permanent position guaranteed. Arthur Capper, Pub., Topeka, Kan.

500 MEN 20 to 40 years old wanted at once for electric railway motormen and conductors; \$60 to \$100 a month; no experience necessary; fine opportunity; no strike; write immediately for application blank. Address F, care of Mail and Breeze.

WANTED—Government railway mail clerks. Examinations everywhere soon. Farmers eligible. Common education sufficient. Get prepared by former United States civil service examiner. Write for free booklet. Patterson Civil Service School, Box 815, Rochester, N. Y.

WANTED—High class responsible representatives to whom we will give exclusive territory in Kansas, Oklahoma and Nebraska. Good subscription solicitors under our excellent plan and with our exceptionally liberal proposition, make big wages. Permanent employment will be given to those who demonstrate their ability to do high class work. Full particulars will be furnished on application. Applicants must furnish two reference letters with their application. Address Arthur Capper, Publisher, Topeka, Kansas.

LOCAL REPRESENTATIVE WANTED. Splendid income assured right man to act as our representative after learning our business thoroughly by mail. Former experience unnecessary. All we require is honesty, ability, ambition and willingness to learn a lucrative business. No soliciting or traveling. This is an exceptional opportunity for a man in your section to get into a big paying business without capital and become independent for life. Write at once for full particulars. Address E. R. Marden, Pres. The National Co-Operative Real Estate Company, 157 Marden Building, Washington, D. C.

RAILWAY MAIL CLERKS wanted by the U. S. government—salary \$90.00 month. The hours are short; the work interesting as you travel much. You would work a week and have a week off duty with full salary. You would have no "layoffs," the position being yours for life. Hundreds of appointments coming. Examinations in every neighborhood May 4th. Common education is sufficient. "Pull" is not needed. Farmers have excellent chance. If interested, write immediately for sample questions and large illustrated book telling the duties and giving full particulars. We are coaching candidates free. Franklin Institute, Dept W 55, Rochester, N. Y.

FEMALE HELP WANTED.

BE A TRAINED NURSE. Earn \$15 to \$35 weekly. Train at home in a short time. Free catalogue. Rochester Nurses Institute, 873, Rochester, N. Y.

WOMEN AND GIRLS wanted to sell our up-to-date line of beautiful Post Cards; very latest styles; enormous demand; our agents make \$2 to \$6 a day in spare time; no talking or peddling necessary; our special copyrighted selling plan and a big package of beautiful samples for only 2 cts. to pay mailing expense if you mean business. Butler Post Card Co., 65 Capital Block, Topeka, Kan.

AGENTS WANTED.

BOY AND GIRL AGENTS—Sell 24 packages of post cards and receive beautiful premium free. Order now. Evans Supply Co., Dept. 4, 121 N. 11th St., Poplar Bluff, Mo.

WANTED—Five general agents in the state of Oklahoma. Mail application giving detailed information concerning past record with one bank reference. Circulation Department, Farmers Mail and Breeze, Topeka, Kansas.

HAIL INSURANCE—Wanted, county and local agents to represent the "Old Reliable" Kansas Mutual Hail Insurance Association in territory not organized. Losses always paid in full. Liberal commissions. Address W. S. Wells, General Agent, Sterling, Kansas.

\$5 TO \$10 a day for reliable men and women agents; easiest, fastest, best sellers ever offered; nine sales to each ten calls; by our special plan; big profits for you. Full details free. Address, Household Co., Agency Division, No. 50, Topeka, Kan.

BIG MONEY FOR AGENTS—Big, quick profits selling our dress goods, waists, tailored garments, lingerie, millinery, etc. Easy, pleasant work, exclusive territory; written guarantee with every sale. Be independent; we show you how. Big sample outfit free. Write today. Schwartz Importing Co., Dept. 250, St. Louis, Mo.

AGENTS WANTED.

FARMER AGENTS wanted to sell riding attachments and farm implements. Liberal offer. Write the Brown Brokerage Co., Coffeyville, Kan.

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WANTED—Reliable agents, who are traveling in rural districts, to take subscriptions for our popular Farm Journal and Home Magazine. Double your wages by taking on this side line. Write for liberal proposition immediately. Arthur Capper, Pub., Missouri Valley Farmer, Dept. 22, Topeka, Kan.

AGENTS WANTED—Exclusive territory. Good chance to build up permanent business. Mail us \$10 for 36-pound feather bed and receive, without cost, 6-pound pair pillows. Freight on all prepaid. New feathers. Best ticking. Satisfaction guaranteed. Turner & Cornwell, Feather Dealers, Dept. 45, Charlotte, N. C. Our reference: Commercial National Bank.

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ONLY hustlers wanted to sell office and household necessity; big money to workers; write at once. Sargent Co., Monte Vista, Col. B. 2.

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Finds Much Weak Seed Corn

A READER'S REPORT.

Mr. Editor—I find that many an ear of last year's crop, while fully developed and of good appearance, has a brown or black germ. Such grains will not grow and while some of the brown germs will sprout they will produce a weak, unhealthy plant. There was something about the season last year that was very detrimental to the development of good seed. In good seed the germ must have a good, clear, and not a dark color. A little time spent now will pay large dividends next fall.

Axtell, Kan.

W. R. Kenward.

Something New in Seed Testing.

Mr. Editor—Take each ear of corn suitable for seed and shell off the irregular grains at each end. Pick off a kernel and place it between the forefinger and thumb, with the thumbnail resting lengthwise in the slot in the side of the kernel. Raise it to your ear, press the thumbnail into the slot and if you hear a loud snap the corn will grow. Pick off several kernels around the ends and if they all sound alike that ear will grow an even stand. The perfect kernel with the strong germ is found toward the middle of the ear. I often shell off half the ear before the test suits me. Seed treated this way needs no further testing or grading.

Some people still think it necessary to plant the kernels at each end of the ear in order to have ears filled out properly. I have proven that this belief is entirely unfounded. I believe that it would not take much breeding up with my method of testing to make every stalk of corn bear at least one good ear when not planted too thick for the strength of the land.

Frederick, Okla.

Big Reasons For a Parcels Post

A POSTAL AUTHORITY'S VIEWS.

The president, the postmaster general, and the two Kansas senators have recently declared themselves in favor of a parcels post, but the best reasons for one are advanced by P. V. DeGraw, the fourth assistant postmaster general. In his annual report, Mr. DeGraw says that, "Every consideration of practicability, business expediency and good administration, favors the plan as being a probable source of large revenue and great public accommodation."

Those three words, "great public accommodation," contain the whole parcels post argument, clearly, briefly and truthfully stated. Mr. DeGraw, you will observe, has no fear that such a service would be a drain on the national pocket-book. A glance at the immense dividends of the express companies should settle that point.

Mr. DeGraw bases his recommendation for a parcels post on the ground that the expenditure for rural service is increasing more rapidly than the receipts; and the parcels post would provide much additional revenue. Last year the rural mail receipts were \$7,570,000, while the expenditures were \$37,130,000. For the present year there has been appropriated \$42,790,000, while it is not expected that there will be any appreciable increase in receipts. This loss will become greater each year, he says, unless parcel post is established to help.

There are more than 1 million miles of rural mail routes, and the average mileage a day for each carrier is 24.19 miles. In the last year 577 routes were added, making the present total 41,656.

Has Grown Up With It.

Mr. Editor—I have read Farmers Mail and Breeze ever since I was a boy. My father took it when the office was still in North Topeka. It has been in the family for the last 20 years.

C. E. Matteson.

R. 3, Maud, Okla., March 6, 1912.

MISCELLANEOUS.

FARMERS, make your buggy and auto tops, harness and shoes waterproof by using No-Grease Waterproofer. Be our agent and get yours free. For full particulars write World-Wide Waterproofer, 755 Minnesota Ave., Kansas City, Kan.

IF YOU WANT to send a Kansas paper to your friends, subscribe for the Kansas Weekly Capital—a whole year for only 25 cents. All the Kansas and Topeka news of the Daily Capital rolled down. The best weekly newspaper in the U. S. for the money. Address Kansas Weekly Capital, Dept. 14, Topeka, Kan.

ALBERTA'S GRAIN CROP

Reports from the grain fields of Alberta, Western Canada, show splendid yields of wheat, oats and barley.

Many farmers have paid for their land out of the proceeds of the crop of 1911. At exhibitions throughout the U. S. wherever the grain from this Province has been shown it has received the highest commendation.

Free Homesteads of 160 acres and adjoining pre-emptions of 160 acres (at \$3 per acre) are to be had in the choicest districts. Schools convenient, climate excellent, soil of the very best, railways close at hand, building lumber cheap, fuel easy to get and reasonable in price, water easily procured, mixed farming a great success.

Write us to best place for settlement, sections, low railway rates, pamphlet "Last Best West," and other information, to Supt. of Immigration, Ottawa, Can., or to Can. Gov. Agt.

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"sw" semi-weekly, "w" weekly, "sm" semi-monthly, "m" monthly.	
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Munsey's Magazine, N. Y.....m	1.95
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K. C. Weekly Star.....	2.90
Breeders Gazette, Chicago.....w	1.75
New York Weekly Tribune.....	1.65
The Commoner, Lincoln, Neb....	1.35
Success Magazine.....	2.00
Woman's Home Companion.....m	1.75
Campbell's Scientific Farmer....	1.70
Farm Journal, Phila., 5 years....	1.25
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Every Woman's Magazine.....	1.25
Farm and Home, Springfield....	1.60
La Follette's Magazine.....w	1.25
St. Louis Star Farmer.....	1.25

MARKET PROBABILITIES

Cattle, Hogs and Sheep All Touched New High 1912 Levels Last Week and Will Probably Remain Up Until Weather Permits a Freer Movement to Market—Grain and Hay Have Advanced Too

[Written Specially for the Farmers Mail and Breeze.]

The live stock market has about recovered from the effects of the recent snow storms, but marketing is still by spurts and starts. A good many have been able to get their stock out ahead of a general thaw and soft roads, but conditions now are such that the stock yet to be marketed is in hands well prepared to carry them until favorable markets are assured. This week's movement opened with fairly liberal receipts, but not above normal for this season of the year. Such a movement has been expected as prices for two weeks have been going up, and many were anxious to take advantage of the prevailing high prices. The market, of course, will show moderate recessions, at times, but buyers say there is nothing in future supply to cause any period of depreciation in values. The delayed shipments owing to the snow seem to have been opportune, as they came at a time when dressed beef men were complaining of the condition of the beef market. Now they seem anxious for supplies and are headed to a time between the movement from feed lots and the beginning of grass cattle, when supplies under normal conditions seldom come up to requirements. Illinois and Iowa seem to have the largest supply of cattle on feed, and Colorado still has some to market. Kansas and Missouri are about cleaned up. Meal fed stock from Oklahoma and Texas have been fairly large, and they will be in the early running as soon as cattle fed cottonseed cake on grass begin to ripen. The prospects for plenty of grass means that cattlemen will hold for weight this summer, causing comparatively few grass-fat cattle to reach market before the middle of July. The market last week reached the high point of the season on Wednesday. Since then there has been a moderate decline. Prime cattle in all weights are selling at a big premium, and the medium kinds meet the price fluctuations.

Good Butcher Cattle Needed.

The scarcity of feed and attempted economy on the part of countrymen is reflected strongly in the lack of weight the average run of butcher cattle will carry. When a few bunches of good to choice cows and heifers are offered they are snapped up quickly, but the plain kinds still sell slowly. Notwithstanding this difference in activity the prices have changed practically none in the past week. Veal calves are selling readily. Receipts have been small. Next month Chicago and St. Louis will begin to receive the advance guard of the dairy crop.

Small Trade in Thin Cattle.

Countrymen have been delayed in making early spring purchases of cattle on account of weather conditions. At the same time the supply of thin cattle has been small and they have been cared for easily. Prices have not changed any, and the choice of selected kinds are as high as at any time this year. Traders are expecting the demand to open up any time, and when it does start they say it will be broad.

Hog Prices Average Higher.

The hog market has established a new high level for the year, but whether it can maintain the advance is an uncertainty. Shippers have had more trouble to reach markets with hogs than with cattle, but a fairly large volume keeps coming. However, the quality which ran good during February is falling down, and weight is becoming light. Chicago and Omaha are receiving the bulk of the hogs, but it is doubtful whether Kansas City, St. Louis and St. Joseph receive as many as in the same month last year. No reports have been received on the early farrowing, but judging from weather conditions and the sloppy conditions that will prevail on the average farm in the next few weeks the spring crop of pigs will be none too large. The recent storms have brought in a great many hogs that were not in a marketable condition, the only excuse being that the owner wanted them out of the way of farm work. Others are coming because the feed gave out. Many believe that prices will go no higher than at the present time, for the next six weeks.

Sheep Market Boomed Some.

The sheep market last week woke up and things were humming along with

prices up to a new high level for the year. The entire advance has not been maintained, however, and traders are expecting another period of dullness. But the future holds this much of promise and that is that more mutton is eaten in warm than in cold weather. As spring opens, demand should be broad because prices are low and the supply fairly liberal. Feeders are giving the market about all it can care for. Some have already clipped their sheep, but the large part of them will be shipped in fleece. Those that have been marketed as clipped grades sell about 75 cents to \$1 a hundred pounds less than those in fleece. Prices for wool have not changed, but the trading has been none too active. Last year's clip is in second hands, but there is no scramble to get this year's growth under contract.

The Movement of Livestock.

The following table shows receipts of cattle, hogs and sheep at the five western markets for last week, the previous week and a year ago:

	Cattle	Hogs	Sheep
Kansas City	30,175	61,325	40,100
Chicago	119,000	193,000	119,000
Omaha	14,500	31,100	42,600
St. Louis	10,600	14,500	12,800
St. Joseph	7,750	47,700	5,800
Total	116,725	447,625	220,300
Preceding week	104,425	384,600	181,600
Year ago	130,600	332,800	168,600

The following table shows receipts of cattle, hogs and sheep at the five western markets Monday, March 11:

	Cattle	Hogs	Sheep
Kansas City	7,000	7,000	7,000
Chicago	28,000	52,000	24,000
Omaha	3,700	5,700	9,000
St. Louis	2,700	11,000	3,500
St. Joseph	1,800	8,000	7,000
Total	43,200	83,700	50,500
Week ago	34,125	75,500	52,700
Year ago	49,250	98,900	64,500

The following table shows a comparison in prices on best offerings of livestock at Kansas City and Chicago for this date and one year ago:

	Cattle	Hogs	Sheep
Per 100 lbs. 1912 1911 1912 1911 1912 1911			
Chicago	\$8.80	\$6.85	\$6.72
Kan. City	\$8.15	\$6.10	\$6.70

Horse Market Rather Quiet.

Weather conditions have lingered as a factor in the horse and mule market longer than elsewhere. The heavy rains in the South have checked farm work and in the corn belt the season is still backward. A few days of warm weather, dealers say, will increase the demand from all sources. Prices continue steady. The East has been the steadiest buyer, but they wanted the better classes. Some heavy mules are still going out on construction orders.

Grain and Hay Higher.

Early last week the grain market took a sinking spell, but rallied again later, and prices now are close to the high levels of the year. Demand has been active, and with receipts small no more than actual requirements were satisfied. Prices for prairie and alfalfa hay were advanced 50 cents to \$1 a ton, and packing hay and straw were up a half dollar. Receipts have been small, and demand urgent.

The following prices prevail for grain in Kansas City and St. Louis:

	Kansas City	St. Louis
Wheat—		
Hard No. 2	\$1.04 @ 1.09	\$1.03 @ 1.12
Soft No. 2	1.02 @ 1.03 1/2	1.04 @ 1.05
Corn—		
White No. 2 .....	.69 @ .70	.68 1/2 @ .70
Mixed corn .....	.68 @ .69	.67 @ .68
Oats—		
No. 2 white .....	.53 1/2 @ .54	.54 @ .54 1/2
No. 2 mixed .....	.52 @ .53	.53 @ .53 1/2

The following comparison shows prices on best grades of wheat, corn and oats at Kansas City and Chicago for this date and one year ago:

	Wheat	Corn	Oats
1912 1911 1912 1911 1912 1911			
Chicago	\$1.15 @ 1.01	.69 1/2 @ .48 1/2	.55 1/2 @ .32
Kan. City	1.10 @ .97	.70 1/2 @ .45	.54 1/2 @ .32 1/2

Seeds and Broomcorn.

Sorghum, Amber \$1.45 @ 1.65 per cwt.; sumac \$1.30 @ 2.10; broomcorn, dwarf, \$1.40 @ 1.50; standard \$1.30 @ 1.45; cow-peas, New Era \$1.90 @ 2.10; Whippoorwill, \$2.10 @ 2.25; clover seed \$12.00 @ 20.00; timothy \$10.00 @ 15.00; alfalfa \$10.00 @ 14.00; flaxseed, \$1.90; seed corn, bulk 90c @ 1.25 a bushel; Kafir No. 3 white \$1.27.

Carlot Grain Receipts.

The following table shows the receipts of grain for the week at the three principal grain markets, together with the receipts for the corresponding week one year ago and those of last week:

	Wheat	Corn	ats
This week	75	390	23
Last week	73	263	98
One year ago	174	182	79
In Kansas City—			
This week	296	2047	753
Last week	283	2112	1184
One year ago	86	1798	697
In Chicago—			
This week	113	361	201
Last week	130	332	205
One year ago	208	237	206

Quotations on Hay.

The following quotations are for hay on the Kansas City market:

Prairie, choice	\$15.75 @ 16.00
Prairie, No. 1	15.00 @ 15.50
Prairie, No. 2	13.75 @ 14.50
Prairie, No. 3	11.75 @ 13.50
Timothy, choice	20.00 @ 21.50
Timothy, No. 1	18.00 @ 19.50
Timothy, No. 2	14.50 @ 15.00
Timothy, No. 3	11.00 @ 13.50
Clover mixed, choice	18.00 @ 19.00
Clover mixed, No. 1	16.50 @ 17.00
Clover mixed, No. 2	14.00 @ 15.00
Clover mixed, No. 3	11.00 @ 13.00
Clover, choice	15.00 @ 16.50
Clover, No. 1	13.00 @ 14.75
Clover, No. 2	11.75 @ 12.00
Alfalfa, choice	19.25 @ 19.50
Alfalfa, No. 1	18.50 @ 19.00
Alfalfa, No. 2	15.75 @ 18.25
Alfalfa, No. 3	14.50 @ 15.50
Straw	6.00 @ 6.50
Packing hay	7.00 @ 10.50

Livestock in Kansas City.

The cattle market last Wednesday was the highest of the year but at that time prices still felt the stimulating effect of the snowbound condition that prevailed in the preceding 10 days. Since then prices have eased off some, but the break has not been severe as the supply continues within bounds. Compared with a week ago prices are about net unchanged. Good to choice steers are quoted at \$7.50 to \$8.25, fair to good \$6.50 to \$7.50, and common to fair \$5.50 to \$6.20. Cows and heifers sold at \$3 to \$6.80, and veal calves up to \$8.50. Most of the butcher cattle offered are of the plainer types.

Packers are buying hogs freely, and the market broke away from the range of the preceding weeks. Prices last week made the highest average of the year, but closed the week within the highest level of the year. The top price today was \$6.70 and the bulk of the hogs brought \$6.55 to \$6.65.

The following table shows the range of prices for hogs in Kansas City on days named for the past two weeks:

	Last week	Preceding week
Tuesday	\$6.20 @ 6.65	\$5.90 @ 6.35
Wednesday	6.25 @ 6.65	5.95 @ 6.40
Thursday	6.15 @ 6.55	5.90 @ 6.40
Friday	6.20 @ 6.60	6.00 @ 6.42 1/2
Saturday	6.25 @ 6.62 1/2	6.00 @ 6.45
Monday	6.30 @ 6.70	6.05 @ 6.60

Like hogs sheep last week made a new high record for the year. Receipts have been fairly liberal, and packers bought freely. Clipped sheep are beginning to move, and the number will increase as the season advances. Good to choice lambs are quoted at \$6.50 to \$7.10, yearlings \$5 to \$5.75, wethers \$4.50 to \$5.30, ewes \$4 to \$5.

The following table shows receipts of cattle, hogs and sheep in Kansas City thus far this year and same period in 1911:

	1912	1911	Inc.	Dec.
Cattle	293,364	350,246	56,882	57,882
Calves	16,663	23,341	6,678	11,982
Hogs	670,621	521,355	149,266	191,982
Sheep	412,671	395,766	16,905	5,848
H. & M.	23,138	28,950	5,812	1,666

Livestock in St. Louis.

Steers sold up to \$7.75, heifers up to \$7.25, cows \$6, and calves \$5. While the top price for steers does not show a high range, the lack of quality in the offerings was responsible. Strictly prime steers would bring \$8.50 or better. The general market was quoted 15 to 25 cents higher. Receipts have been small. Some few cattle are coming from other markets and the cattle on feed in tributary territory are not plentiful. Receipts will continue light until the movement from Texas begins. Comparatively few thin cattle are available and prices have been well maintained. Stockers and feeders are quoted at \$4.50 to \$6.

This market continued to lead in the matter of prices, though the advance last week was not as pronounced as at other markets. Average prices for the seven days were the highest of the season, and hogs are getting scarce in adjacent territory. Average weight is ranging low. The top price today was \$6.85, and bulk \$6.60 to \$6.80.

Receipts of sheep have been small in the past seven days and new high record prices have been made for this season. The Western sheep that were coming freely a week to 10 days ago have been scarce in the past week. Choice lambs are quoted at \$7 to \$7.40, yearlings \$5 to \$6, wethers \$4.50 to \$5.50 and ewes \$4.50 to \$5.40.

The following table shows receipts of livestock in St. Louis thus far this

year compared with the same period in 1911:

	1912	1911	Inc.	Dec.
Cattle	139,899	147,093	7,194	7,284
Hogs	634,156	541,518	92,638	100,000
Sheep	190,580	130,102	60,478	7,368
H. & M.	48,329	55,699	7,370	7,368
Cars	15,376	14,954	422	.....

Livestock in St. Joseph.

Notwithstanding the abnormal weather conditions that have prevailed for some time past, receipts of cattle have been about as usual for this season of the year. Prices have been quoted up 10 to 15 cents, and demand is fairly active on the better classes but rather moody on the other kinds. Good to choice steers are quoted at \$7.50 to \$8, fair to good \$6.25 to \$7.40, and the plain to common kinds as low as \$5. Cows are selling at \$3 to \$5.50, heifers \$4 to \$6.50, and calves up to \$8.50. A few bunches of stockers brought \$5 to \$5.50.

Prices for hogs here have been as high as in Chicago most of the time, and on several days last week surpassed lake market prices. Receipts have been moderate and demand urgent. Heavy hogs are bringing only a slight premium over medium weights. The top price today was \$6.65 and bulk \$6.50 to \$6.65.

The market for sheep here in the past week showed about the same advance as other markets. Prices were the highest this year, and the small supply found a ready outlet. Good to choice lambs are quoted at \$6.40 to \$7, yearlings \$5 to \$5.65, ewes \$4.25 to \$5 and wethers \$4.50 to \$5.25.

The following table shows receipts of livestock in St. Joseph thus far this year compared with the same period in 1911:

	1912	1911	Inc.	Dec.
Cattle	99,812	96,055	3,757	.....
Hogs	491,956	319,902	172,054	.....
Sheep	148,298	125,572	22,726	.....
H. & M.	11,976	12,216	240	.....

Butter, Eggs and Poultry.

Elgin, March 11.—Butter this week is firm at 30 cents.

Kansas City, March 11.—Prices this week on produce are:

Eggs—Firsts, new white wood cases included, 19c a dozen. Extras, 30c a pound; Butter—Creamery, 27c; packing stock, 22c; firsts, 28c; seconds, 27c; packing chickens, 2 to 3 pounds, 13c a pound; broilers, 17c; No. 1 hens, 12 1/2c; No. 2 hens, 5c; young roosters, 8 1/2c; old roosters, 7c; turkey hens and young, 14c; old toms, 12 1/2c; culs, 7c; ducks, 13 1/2c; geese, 9 1/2c; pigeons, 60c a dozen. Dressed poultry sells for about 1 1/2c to 2 1/2c a pound above live stock quotations.

Produce Prices Now and One Year Ago.

	Butter	Eggs	Hens
1912 1911 1912 1911 1912 1911			
Chicago	30	26	20
Kan. City	30	25	19

Hides and Furs.

(Furnished by Jas. C. Smith Hide Co., 108 E. Third street, Topeka, Kan.)

(For week ending Saturday, March 9.)
Hides—Green Cured: Native, each No. 1, 1.10; No. 2, 1.10; No. 3, 1.10; No. 4, 1.10; No. 5, 1.10; No. 6, 1.10; No. 7, 1.10; No. 8, 1.10; No. 9, 1.10; No. 10, 1.10; No. 11, 1.10; No. 12, 1.10; No. 13, 1.10; No. 14, 1.10; No. 15, 1.10; No. 16, 1.10; No. 17, 1.10; No. 18, 1.10; No. 19, 1.10; No. 20, 1.10; No. 21, 1.10; No. 22, 1.10; No. 23, 1.10; No. 24, 1.10; No. 25, 1.10; No. 26, 1.10; No. 27, 1.10; No. 28, 1.10; No. 29, 1.10; No. 30, 1.10; No. 31, 1.10; No. 32, 1.10; No. 33, 1.10; No. 34, 1.10; No. 35, 1.10; No. 36, 1.10; No. 37, 1.10; No. 38, 1.10; No. 39, 1.10; No. 40, 1.10; No. 41, 1.10; No. 42, 1.10; No. 43, 1.10; No. 44, 1.10; No. 45, 1.10; No. 46, 1.10; No. 47, 1.10; No. 48, 1.10; No. 49, 1.10; No. 50, 1.10; No. 51, 1.10; No. 52, 1.10; No. 53, 1.10; No. 54, 1.10; No. 55, 1.10; No. 56, 1.10; No. 57, 1.10; No. 58, 1.10; No. 59, 1.10; No. 60, 1.10; No. 61, 1.10; No. 62, 1.10; No. 63, 1.10; No. 64, 1.10; No. 65, 1.10; No. 66, 1.10; No. 67, 1.10; No. 68, 1.10; No. 69, 1.10; No. 70, 1.10; No. 71, 1.10; No. 72, 1.10; No. 73, 1.10; No. 74, 1.10; No. 75, 1.10; No. 76, 1.10; No. 77, 1.10; No. 78, 1.10; No. 79, 1.10; No. 80, 1.10; No. 81, 1.10; No. 82, 1.10; No. 83, 1.10; No. 84, 1.10; No. 85, 1.10; No. 86, 1.10; No. 87, 1.10; No. 88, 1.10; No. 89, 1.10; No. 90, 1.10; No. 91, 1.10; No. 92, 1.10; No. 93, 1.10; No. 94, 1.10; No. 95, 1.10; No. 96, 1.10; No. 97, 1.10; No. 98, 1.10; No. 99, 1.10; No. 100, 1.10; No. 101, 1.10; No. 102, 1.10; No. 103, 1.10; No. 104, 1.10; No. 105, 1.10; No. 106, 1.10; No. 107, 1.10; No. 108, 1.10; No. 109, 1.10; No. 110, 1.10; No. 111, 1.10; No. 112, 1.10; No. 113, 1.10; No. 114, 1.10; No. 115, 1.10; No. 116, 1.10; No. 117, 1.10; No. 118, 1.10; No. 119, 1.10; No. 120, 1.10; No. 121, 1.10; No. 122, 1.10; No. 123, 1.10; No. 124, 1.10; No. 125, 1.10; No. 126, 1.10; No. 127, 1.10; No. 128, 1.10; No. 129, 1.10; No. 130, 1.10; No. 131, 1.10; No. 132, 1.10; No. 133, 1.10; No. 134, 1.10; No. 135, 1.10; No. 136, 1.10; No. 137, 1.10; No. 138, 1.10; No. 139, 1.10; No. 140, 1.10; No. 141, 1.10; No. 142, 1.10; No. 143, 1.10; No. 144, 1.10; No. 145, 1.10; No. 146, 1.10; No. 147, 1.10; No. 148, 1.10; No. 149, 1.10; No. 150, 1.10; No. 151, 1.10; No. 152, 1.10; No. 153, 1.10; No. 154, 1.10; No. 155, 1.10; No. 156, 1.10; No. 157, 1.10; No. 158, 1.10; No. 159, 1.10; No. 160, 1.10; No. 161, 1.10; No. 162, 1.10; No. 163, 1.10; No. 164, 1.10; No. 165, 1.10; No. 166, 1.10; No. 167, 1.10; No. 168, 1.10; No. 169, 1.10; No. 170, 1.10; No. 171, 1.10; No. 172, 1.10; No. 173, 1.10; No. 174, 1.10; No. 175, 1.10; No. 176, 1.10; No. 177, 1.10; No. 178, 1.10; No. 179, 1.10; No. 180, 1.10; No. 181, 1.10; No. 182, 1.10; No. 183, 1.10; No. 184, 1.10; No. 185, 1.10; No. 186, 1.10; No. 187, 1.10; No. 188, 1.10; No. 189, 1.10; No. 190, 1.10; No. 191, 1.10; No. 192, 1.10; No. 193, 1.10; No. 194, 1.10; No. 195, 1.10; No. 196, 1.10; No. 197, 1.10; No. 198, 1.10; No. 199, 1.10; No. 200, 1.10; No. 201, 1.10; No. 202, 1.10; No. 203, 1.10; No. 204, 1.10; No. 205, 1.10; No. 206, 1.10; No. 207, 1.10; No. 208, 1.10; No. 209, 1.10; No. 210, 1.10; No. 211, 1.10; No. 212, 1.10; No. 213, 1.10; No. 214, 1.10; No. 215, 1.10; No. 216, 1.10; No. 217, 1.10; No. 218, 1.

WHAT BREEDERS ARE DOING

FIELDMEN.

A. B. Hunter, Kansas and Oklahoma, 410 East Williams street, Wichita, Kan.
 E. R. Dorsey, Missouri, Kansas and Iowa, Girard, Kan.
 J. W. Johnson, Beloit, Kan., Kansas and Nebraska.
 C. H. Walker, Kansas, Missouri and Iowa, 1015 Central, Kansas City, Mo.
 Grant Gaines, Iowa, 334 Chamber of Commerce Bldg., Omaha, Neb.
 G. E. Hall, Nebraska, 334 Chamber of Commerce Bldg., Omaha, Neb.

PUREBRED STOCK SALES.

Claim dates for public sales will be published free when such sales are to be advertised in the Farmers Mail and Breeze. Otherwise they will be charged for at regular rates.

Percheron Horses.

March 21—C. W. Lamer, Salina, Kan.

Angus Cattle.

April 9—Andrews and Caldwell, Maryville, Mo.
 Apr. 26—E. M. Gates, La Plata, Mo.
 Apr. 30—Association Bull sale at Omaha, Neb. Chas. Gray, Sec., 817 Exc. Ave., Chicago, Ill.
 May 2—Association Bull sale at Chicago, Chas. Gray, Sec., 817 Exc. Ave., Chicago, Ill.

Shorthorn Cattle.

Mar. 27—R. A. Stewart, Hutchinson, Kan.
 March 28—Young & Kemmerling, Glasco, Kan.
 April 10—Hill-Hanna, Fredonia, Kan.

Hereford Cattle.

March 26 and 27—Hereford Breeders' Sale, Kansas City, Mo., R. T. Thornton, Mgr.

Poland China Hogs.

Mar. 28—The Mortons, Tampa, Kan.
 March 28—Herman Cronniger & Sons, Bendena, Kan.
 April 20—Roy Johnston, South Mound, Kan.
 May 15—Matt Alton, Erie, Kan.
 Aug. 7—John B. Lawson, Clarinda, Ia.
 Aug. 7—(Evening sale) L. R. McLarnon, Braddyville, Ia.
 Aug. 8—J. W. Pfander & Sons, Clarinda, Ia.
 Aug. 9—J. O. James, Braddyville, Ia.

Duroc-Jersey Hogs.

Mar. 23—S. W. Alfred, Enid, Okla.
 April 3—T. F. Johnston, Garfield, Kan.

Kansas and Oklahoma.

BY A. B. HUNTER.

Moore & Falls, an old and thoroughly reliable real estate firm of Liberal, Kan., who are old advertisers in Farmers Mail and Breeze, have just made another contract. If you want to buy land that is certain to double, treble and quadruple in value, write for their list.

H. H. Bersie, manager of the Bersie Agency, Eldorado, Kan., who has not missed an issue of the Farmers Mail and Breeze for years, has just renewed his contract for another year. This is an old, established firm, making a specialty of high grade exchanges. Write for their free exchange booklet.

The Mortons' Bred Sow Sale.

If you are in the market for bred sows this spring, it will pay you to attend The Mortons' bred sow sale Thursday, March 28th, at Tampa, Kan. The Mortons this year are offering 60 head, all bred to Auctioneer and Star's Chief except one sow bred to Meador Union, the sow which the Mortons showed last year. The sows are by such boars as Chief Perf. 2d, On & On, Keep On Meddler, Corrector 2d, Equipment, Master Winn, Star Pointer, Meddler 2d and others. These sows are as well bred a lot as you will find anywhere this spring, and are in shape to go ahead and make good for buyers. Write for catalog and arrange to attend this sale. If you are unable to attend, send bids to Frank Howard or to Col. Lefe Burger, and they will be handled to your interests.

Shorthorn Sale at Hutchinson.

Dr. R. A. Stewart, Hutchinson, Kan., who has been in the Shorthorn cattle business for nine or ten years and was out last year with a show herd, will disperse his entire herd at auction, Wednesday, March 27. The doctor finds that his profession and other business require more and more of his time and hence the reason for dispersing his Shorthorns. This sale will include a splendid lot of heifers by Victor Archer, one of the best breeding sons of Imported Collynie. Victor Archer, together with a number of young bulls of serviceable age, will be included. Many of these cows and heifers, of which there are perhaps 60 head, will have calf at foot and rebred. Farmers, neighbors and breeders alike invited. Read display at this issue. Sale under cover at state fair grounds, Hutchinson, Kan., Wednesday, March 27. Write today for catalog. Please mention Farmers Mail and Breeze.

Jones Bros.' Hereford Sale.

Jones Bros.' Hereford sale at Council Grove, Kan., advertised for February 27 and 28, postponed on account of the general storm at that time, was held March 7 and 8. It was a good sale, considering this postponement, and the stormy weather. Among the leading buyers outside of the state were J. F. Gulick, Jasper, Mo., F. E. Cheadle, Cherokee, Okla., and the Cananea Cattle Co., Cananea, Mexico. The leading Kansas buyer was Geo. Lungstrom, Lindsborg, Kan., who bought 37 head, mostly young heifers in calf to Lincoln 7th and Dandy Andrew. Twenty-three bulls sold for \$3,890.50, an average of \$169.00, and 144 females sold for \$17,248.50, an average of \$119.77. The entire offering, 147 head, sold for a total of

\$21,139, making a general average of \$126.57. The following is a partial list of sales:

BULLS.

1—R. A. Morley, Olivette, Kan., \$505.00
 2—Cananea Cattle Co., Cananea, Mex., 445.00
 3—H. F. Ziebell, Herington, Kan., 215.00
 4—R. A. Morley, 235.00
 5—Carl Miller, Belvue, Kan., 365.00
 6—Geo. Lungstrom, Lindsborg, Kan., 240.00
 7—Wm. Henn, Kansas City, Mo., 145.00
 8—H. Z. Ziebell, 200.00
 9—J. G. Oberg, Skiddy, Kan., 138.00
 10—J. C. Thomas, Dunlap, Kan., 140.00
 11—Carl Miller, 140.00
 12—C. C. Thomas, Dunlap, Kan., 140.00
 13—Nelson Bros., Kiets, Kan., 140.00
 14—B. K. Williams, Wakefield, Kan., 140.00

COWS.

37—John Stark, Paxico, Kan., 178.00
 45—J. F. Gulick, Jasper, Mo., 200.00
 47—R. I. Rumely, Emporia, Kan., 145.00
 49—R. A. Morley, 125.00
 51—Jas. Allen, Kelso, Kan., 152.50
 52—F. E. Cheadle, Cherokee, Okla., 155.00
 53—Carl Printz, Lincolnville, Kan., 155.00
 54—Wm. Black, La Cygne, Kan., 150.00
 55—Chas. Fritz, Lincolnville, Kan., 145.00
 56—Carl Effling, White City, Kan., 127.50
 57—Emil Riedt, Lincolnville, Kan., 150.00
 104—J. J. Thomas, Saffordville, Kan., 135.00
 125—Perry Bros., Volland, Kan., 125.00
 128—E. E. Bailey, Scranton, Kan., 300.00
 134—Dr. Welch, Emporia, Kan., 150.00
 139—Nelson Anderson, Scranton, Kan., 245.00
 166—Glen Wood, Walton, Kan., 130.00
 177—R. M. Dobson, Independence, Kan., 130.00

Herr & Co.'s Jacks and Percherons.

J. C. Kerr & Co., Wichita, Kan., invite your inspection of their herd of Jacks and Percherons. They have a barn full of the big boned kind of Jacks from 2 to 6 years old, and from 15 to 18 hands high, the kind that sires the big sugar mules. Only last week they sold a 1,000 pound Jack to go to Riverside, Calif. They have Percherons, both stallions and mares, all ages, and can sell you at a reasonable figure a stallion that weighs over a ton and up to 2,250 pounds, the kind that sires the kind you can always sell. When in Wichita don't fail to call at their uptown office, 136 No. Market street. Write them at once for particulars, or stating when you will call. Please mention Farmers Mail and Breeze.

Missouri, Kansas and Iowa.

BY ED. R. DORSEY.

Hereford Bulls.

Sam'l Drybread of Elk City, Kan., is offering a carload of Hereford bulls, coming 2 years old and 75 good, strong yearlings. This is the best bunch of bulls Mr. Drybread has produced and he has been producing good ones for a good many years. He has used some great bulls at the head of the Star herd, notably Judge Spencer and the present herd header Tophon IV. Judge Spencer was a bull of great scale and a producer of high class cattle. Tophon IV is one of the good kind produced at Hazard Place. He is beautiful in conformation, a great flesh carrier and a producer of the right sort. Write Mr. Drybread about the youngsters and mention Farmers Mail and Breeze.

Gregg Buys Good Sows.

D. M. Gregg of Harrisonville, Mo., who owns one of the best bred herds of big type Poland Chinas in the state, was a liberal bidder and a good buyer in big Iowa sales recently. In these sales the averages were better than \$85.00 and Mr. Gregg's purchases and bids helped to make these nice figures. While these prices represent good profits the sale offerings were exceptional.

Farmers Mail and Breeze Pays Advertisers.

Farmers Mail and Breeze, Topeka, Kan. Please stop my ad in the Mail and Breeze, as I have sold all my stock that I wish to advertise. I am well pleased with the results that I have obtained from my advertising in Farmers Mail and Breeze. BEN SCHNEIDER, Breeder of Holstein Friesian Cattle, Nortonville, Kan., March 7, 1912.

Farmers Mail and Breeze, Topeka, Kan. We are well pleased so far with the number of inquiries received from our ad in your publication, and trust to see some material results therefrom. FLORIDA DEVELOPMENT CO., Fruit and Truck Farms, Davenport, Fla., March 5, 1912.

Every week for years Farmers Mail and Breeze has printed voluntary letters from its advertisers and different letters are printed every week.



70 BULLS
45 COWS

and the sows were bred to boars of national fame. Mr. Gregg's herd is headed by a Missouri State Fair champion, Young Mastiff, and his herd sows are sired by such noted boars as Blain's Wonder, Orphan Chief, John Long, King Ex., Long King, Big Mo. Chief, Kansas Wonder, Pancost, Capt. Hutch and others. A glance at the sires represented in this herd of sows, and one concludes that Mr. Gregg drew his foundation stock from the best known herds in the country. Not only did he draw on the best herds but he drew heavily on his bank account, for he bought only the best. A Wonder and Big Orange litters, while considered the very best, will be in mighty good company in this good Missouri herd. We recommend Mr. Gregg and his good herd to any of our readers wanting good Poland Chinas.—F. H.

Roy Johnston's Sale.

Roy Johnston, the popular Poland China breeder, of South Mound, Kan., will hold his next sale of bred sows on April 20. Roy is in the business for the money there is in

it as well as the pleasure he gets out of it. Being a natural judge of all classes of stock, backed up with business, is the foundation of his success. October 20, last, he sold nearly \$3,000 worth of pigs. January 20 he sold nearly \$4,000 worth in his brood sow sale, and now he is selling 50 as pretty young sows as he ever sold in his life. Breeding Poland Chinas has been his entire study for the past three years. Neither time, money or anything has been spared to place him where he is now. No one is disappointed when they attend one of Mr. Johnston's Poland China sales and this is why the buyers come from far and near to do business with him. His guarantee is liberal and he is careful to make every guarantee good and he has the habit of doing even more. When he attends his brother breeders' sales he is a booster for them and he always helps by bidding. The catalogs for this sale are out and by sending now for one you can make your selection if you can't be present and have plenty of time to write Mr. Johnston. He will tell you all about the animals and he will guarantee them as represented or it's no sale.

Over Thirty Years Breeding POLAND CHINAS

Has enabled us to put out a class of big type Poland China Hogs that meets every practical demand of both the farmer and breeder. The results from the produce of our large herd of over 250 head has each year, in a large proportion, been put back in the business. Each year we are able to offer a better lot. They are the make good kind, the kind that will go out and make good for the buyer. It is on this basis that we solicit your patronage at our sale to be held at

BENDENA, KANSAS, THURSDAY, MARCH 28, 1912

SOWS, SPRING AND FALL YEARLINGS.

The offering will consist of Tried Sows, Spring and Fall Yearlings and a few last year's Gilts—50 head in all. All sired by boars carrying the best blood lines known to the breed and bred to boars of equal merit. They are bred for April litters with a few to come in early May. It is an offering worthy the patronage of the best breeders and are to be sold at a time advantageous to all. Come and be our guest sale day.

The Catalogs are now ready and will be sent upon application by mentioning this paper to

HERMAN CRONNIGER & SONS, BENDENA, KANSAS.

C. H. WALKER, Fieldman, JAMES W. SPARKS, Auctioneer.

MEADOW BROOK BERKSHIRES AT BURLINGTON, KANS.

200 bred sows, all bred to Premier Longfellow, King's 2d Masterpiece, True Type, King's 4th Masterpiece, King's X Masterpiece (the greatest yearling we ever raised), Forrest Count, etc. One hundred open sows and twenty extra nice males. Two extra good herd boars for sale (every one deep in breeding and rich in blood).

E. D. KING, BURLINGTON, KANSAS.

H. S. DUNCAN,
Live Stock Auctioneer,
Clearfield, Ia.

R. L. HARRIMAN,
Live Stock Auctioneer,
Bunceton, Mo.

AUCTIONEERS Make Big Money!

How would you like to be one of them and make from \$10 to \$100 per day? We paid \$300 for our 1911 96-page illustrated catalogues. You can have one by writing us a postal today.

MISSOURI AUCTION SCHOOL (Largest in World)
W. B. Carpenter, Pres. Trenton, Mo., Kansas City & Oklahoma City

HEREFORD SALE

Breeders' Combination Sale At Kansas City, Mo., March 26 and 27, 1912

Climax sale of the season. Bulls with or without horns. Take your choice

This is the most attractive cattle offering of the season, contributed by the following well known breeders: J. P. Cudahy, Kansas City, Mo.; C. N. Moore, Lees Summit, Mo.; Jno. A. Broadfoot, Thayer, Ia.; G. A. Newell, Milan, Kan.; E. W. Elliott, Montezuma, Ia.; R. M. Fields, Lees Summit, Mo.; Funkhouser, Est., Plattsburg, Mo.; L. M. DeHoney, Hickman Mills, Mo.; R. T. Thornton, Kansas City, Mo.; Jno. McConell, Somerset, Neb.; Guy Jones, Bigelow, Mo.; R. T. Pence, Marshall, Mo.; J. W. Freezell, Horton, Kan.; O. S. Gibbons & Son, Atlantic, Ia.; T. F. Kennel, Reeds, Mo.; C. T. McFarland, Fabius, Mo.; H. D. Adkisson, Napton, Mo.; Clay Woods, Kansas City, Mo.; Benick Bros., Napoleon, Mo. For catalogs or other information write to

R. T. Thornton, Mgr., 1313 E. 15th St., Kansas City, Mo.

A \$47,000 Sale.
 Breeders and buyers were in attendance at the L. M. Monsees & Sons' sale, it is said, from thirty four states. Of course not all came to buy. Many were there to learn how to do things, some to be at the greatest jack market in the world, some to find out where they could find buyers for their own jacks. Others were there to take some of the greatest jacks and jennets in the world to their own homes, others to enjoy the meeting of many friends from all over. Immediately after the Monsees special train arrived from Sedalia, business began by leading out all the jacks and giving each prospective buyer an opportunity to make his own selection and look at the animals carefully before the sale opened. In the forenoon they sold the jacks but there were no records broken in prices, but late in the evening two price records were broken when Col. J. W. Sparks sold the yearling Jack, De Wolf Hopper 3720 to W. F. Schade of Jackson, Mo., for \$1325.00, and later he broke one more world record for price by selling the weanling

POLAND CHINAS.

Poland China Queens at a Sacrifice.
 Herd sows and gilts bred to Giant Monarch, the 800 lb. yearling, for Mar. and Apr. Monarch is for sale.
W. C. MILLIGAN, CLAY CENTER, KAN.

POLAND CHINA BOARS FOR SALE.
 3 yearlings, by Expansive 34723; dam, Expansion Lady 2d 130099, by Grand Look 38305. Hogs healthy. No cholera.
W. A. SHUGHART, MONROVIA, KANSAS.

ELKMORE FARM'S POLAND CHINAS.
 The best of breeding stock, of various fashionable Poland China blood lines. Both sexes. Write your wants. Our herd is large. We can please you. Address
CHAS. JOHNSON, HOWARD, KANSAS.

DEAN'S MASTODON POLAND CHINAS.
 Mastodon Poland China hogs, the big-boned type that will weigh, when mature, 800 to 1,000 lbs.; Mastodon Price, sired by A. Wonder, heads this herd. A number of select sows and gilts bred for spring farrow. If you want the right kind they are at Quality Ridge Farm. Phone me at Dearborn, Mo.; Railroad station, New Market, Mo. Satisfaction guaranteed; stock sold worth the money. Address
CLARENCE DEAN, WESTON, MISSOURI.

Mt. Tabor Herd Polands
 20 big, growthy gilts, of last spring farrow, bred to farrow in March and April, for sale. Some for May farrow. Prices right. 35 last fall pigs singly or in pairs. Not related. Address
J. D. WILLFOUNG, ZEANDALE, KANSAS.

CHOICE SUMMER BOARS
 large enough for service; also fall pigs.
PAIRS AND TRIOS NOT AKIN.
 Sired by M. M.'s Corrector, Ironquill, Kansas Victor, Elephantdonk and Jumbo.
JOE SCHNEIDER, NORTONVILLE, KAN.

FLEMING'S POLAND CHINAS
 King Darkness 2d at head of herd, either sex, high class breeding stock shipped on order. Description guaranteed, write or call on J. A. Fleming, Garfield, Kan.

LIVESTOCK AUCTIONEERS.
W. C. CURPHEY, SALINA, KAN. Dates claimed with me protected. Big farm sales anywhere desired.

Thos. Darcey, Professional Auctioneer
 Offerle, Kans. 19 years' experience. Live Stock and Real Estate.

Sam W. Kidd, Livestock Auctioneer
 409 Spruce Ave., K. C., Mo. Cattle Sales \$50. Hog Sales \$25.

JOHN D. SNYDER, Howard, Kan.
 Auctioneer
 Pedigreed Live Stock a Specialty.

Col. H. S. HOYT, Mankato, Kansas,
 Livestock Auctioneer. Big Horse and other Stock Sales a specialty. Terms reasonable. Special service to breeders.

Chas. E. Reeble, Emporia, Kan.
 Pure Bred Live Stock and Real Estate Auctioneer. Speaks German. Write or wire for dates.

JAS. W. SPARKS, Live Stock Auctioneer
 MARSHALL, MO.

COL. RAY PAGE, FRIEND, NEB.
 Livestock Auctioneer. Write for Dates.

FRANK J. ZAUN, FINE STOCK AUCTIONEER
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 "GET ZAUN. HE KNOWS HOW."

LAFE BURGER, LIVE STOCK AND REAL ESTATE
 AUCTIONEER
 Wellington, - - - - Kansas

R. L. HARRIMAN, Live Stock Auctioneer, Bunceton, Mo.
 I devote my time and money to the advancement of the business. Write or wire me for open dates.

Col. Oscar H. Boatman, Irving, Kansas
 Livestock Auctioneer
 Graduate American Auction School
 Write for Dates

Mindota Boy to D. J. Hutchin of Sterling, Kan., for \$800.00. The highest priced jack of the sale was Baryton Mammoth 2466, going to J. T. Earnest of Ft. Gibson, Okla., at \$2500.00. Quite a number were bidding on him until he left the two thousand mark, and then the contest laid between the buyer and J. D. Swain. The next highest priced animal was Missouri King 3726, bought by D. J. Hutchin of Sterling, Kan., at \$2000.00. All four of these jacks were sired by the world's fair champion Orphan Boy. The entire sale amounted to \$47,155. Twenty six jennets, from weanlings up, brought \$5885.00. J. D. Hutchin bought twelve head of jacks and jennets for \$150.00, being the heaviest buyer in the sale. The auctioneers were R. L. Harriman, Jas. W. Sparks, Charlie and Kemp Hieronymous, J. Zack Wells, John D. Snyder, John Logsdon, C. W. Bowman and others. Following is a list of representative buyers:

JACKS.

J. T. Earnest, Ft. Gibson, Okla.	\$2500.00
H. J. Egger, Byron, Neb.	770.00
D. J. Swain, Norwood, Mo.	720.00
Clyde Roper, Fulton, Ky.	660.00
Henry Kohl, Vandalla, Mo.	1100.00
F. A. Bauer, Waterville, Neb.	1075.00
Dean Bros., Nevada, Mo.	825.00
W. I. Snap, Harrison, Ark.	710.00
W. B. Hopper, Quinton, Okla.	1000.00
Dally Bros., Savannah, Mo.	510.00
D. J. Hutchin, Sterling, Kan.	2000.00
L. W. Hoyt, Barry, Ill.	735.00
J. G. Callison, Windsor, Mo.	275.00
A. Kemmer, Lynne, Mo.	830.00
Fred Echley, Pilot Grove, Mo.	400.00
W. F. Schade, Jackson, Mo.	1325.00
Snider Bros., Brownington, Mo.	935.00
A. C. Finn, Salem, Ill.	650.00
J. J. Devine, Deerfield, Mo.	365.00
John Martin, Clinton, Mo.	1160.00
R. H. Garrett, Calhoun, Mo.	840.00
S. C. Van Meter, Elkhart, Ill.	1000.00
I. N. Elkins, Vienna, Ill.	800.00
Bradley Bros., Warrensburg, Mo.	480.00
D. J. Hutchin, Sterling, Kan.	800.00
A. S. Wright, Wellington, Kan.	350.00

JENNETS.

W. H. Brown, Clarksville, Mo.	\$420.00
J. A. Draper, Eldorado, Kan.	460.00
T. E. Collins, Belleville, Mo.	520.00
C. L. McClure, Hughesville, Mo.	85.00
M. N. Beauland, Versailles, Mo.	130.00
W. V. McClure, Hughesville, Mo.	130.00
H. T. Shaw, Summerhill, Ill.	105.00
J. Z. Royer, Rockford, Ill.	105.00

The Dr. McChord Jack and Jennet Sale.
 One of the best offerings of jacks and jennets ever made was sold at the Fayette County Jack Farm, owned by W. J. Finley of Higginsville, Mo. At the head of this, one of the greatest jack farms in America, is perhaps as well known a jack as we know anything about, old Dr. McChord, now 21 years old and as vigorous as a five-year-old. If we heard the remark once we heard it twenty times, "Why, I did not expect to see so many strictly high class jacks." Others would say, "This is the best lot I ever saw." They did not know Mr. Finley had almost lived in Kentucky and Tennessee the last six months preparing for this great event. It has been his ambition to sell the largest and best lot of jacks in the country. If he had had them groomed better and a little more flesh on them, it is no telling how high they would have sold. As it was, the sixteen jacks sold, including weanlings, brought \$12,620.00, or an average of \$778.75 a head, and the 18 jennets \$4,485.00, an average of \$252.32, and this includes a number of weanlings and yearling jennets. At this sale Col. Jas. W. Sparks sold the highest priced jennet weanling that ever was sold, and she certainly was one of the best we ever saw. Every time a jennet came in the ring that was either bred to or sired by Dr. McChord, the bidding picked up at once, showing that every one was posted on the history of the old jack. The Starlights were also in heavy demand. The highest price paid was \$1,400.00 for Dr. Lee, a son of Dr. McChord. He was bought by Mr. Knause of Knobnoster, Mo. This grand offering will do more to advertise Mr. Finley everywhere than any sale he has held, as he had buyers from many states, sending stock to many of the best breeders and dealers in Illinois, Nebraska, Kansas, South Dakota, and many parts of Missouri. The sale was conducted by R. L. Harriman, Jas. W. Sparks, Kemp Hieronymous, John Logsdon, J. Zack Wells and Vandiver Bros. Following is a representative list of buyers:

JACKS.

Geo. Knause, Knobnoster, Mo.	\$1400.00
V. A. Hall, Hastings, Neb.	710.00
Jas. McKetterick, Greenwood, Mo.	900.00
Fred Litter, Blackburn, Mo.	850.00
Henry Reinwald, Sweet Springs, Mo.	930.00
Andy Judd, Shackelford, Mo.	930.00
F. B. Colwell,	570.00
G. D. Puchta, Lohman, Mo.	665.00
Jos. R. Urich, Winford, S. D.	1100.00
Bradley Bros., Warrensburg, Mo.	600.00
M. D. Dillingham, Blue Springs, Mo.	600.00
M. H. Roller, Circleville, Kan.	950.00
S. B. Coldwell, Knobnoster, Mo.	670.00
Philip Walker, Moline, Kan.	570.00

JENNETS.

Henry Reinwald, Sweet Springs, Mo.	\$585.00
John Knause, Knobnoster, Mo.	260.00
H. T. Shaw, Summerhill, Ill.	290.00
Geo. B. Weaver, Harrisonville, Mo.	320.00
H. A. Chapman, Warrensburg, Mo.	180.00
Isaac Coldwell, Shelby, Mo.	80.00
Thos. Bryan, Palmyra, Mo.	150.00
John Barr, Marshall, Mo.	605.00
W. B. Emerson, Wellington, Kan.	155.00

Barnhart's Sale Averaged \$331.00.
 The sale of Percheron stallions and mares of J. W. Barnhart, Butler, Mo., made an average of \$331.00 on the entire offering, including a number of weanlings, the 25 head sold bringing a total of \$8275.00. As this stock was not fitted for sale (six weeks ago the owner had no idea of selling) and everything in the stallion line, except three head, was too young for use, we call it a good sale. Coda the only horse that was really in any fix for a public sale, so far as flesh was concerned, sold for \$1325.00, but he was a good one. Few as good are sold at auction.

Carey M. Jones, Jas. W. Sparks, C. E. Robbins and F. A. Taylor did the selling. Col. Jones started the bidding. The bidding was brisk and barring an accident which almost proved disastrous, the sale was pleasing and the selling was fast. Everyone regrets very much to know that Mr. Barnhart is quitting the business, at

POLAND CHINAS.

Jones' Big Type, big litters, big quality Poland Chinas. Booking orders for gilts bred to 1000 pound boars. 600 to 900 pound dams. Send for catalog. **A. D. JONES, Dunlap, Iowa.**

Welch's Big Type Polands Large, growthy, good boars and gilts. A great bargain, also, in our herd boar by Progression. Write for particulars. **L. H. WELCH, GARFIELD, KANSAS.**

Manderscheid's Polands. Fashionable blood lines. High-class individuals. Spring or fall boars; gilts, bred or open. Prices reasonable. Descriptions guaranteed. Write today. **E. J. MANDERSCHIED, St. John, Kansas.**

FOR SALE Poland China Pigs of fall farrow, either sex. S. C. Black Minorca eggs for setting, from \$1.50 to \$2.00 per setting. India Runner Duck eggs \$1.00 per setting.
W. F. FULTON, WATERVILLE, KANSAS.

Longview Polands

Herd Headed by **VICTOR CHIEF, YOUNG MASTIFF, LONGVIEW KING.**
 Breeding stock for sale at all times. Just now I am offering an extra choice lot of gilts, bred for spring farrow. Write or come and see me.
D. M. GREGG, HARRISONVILLE, MO.

A WONDER—THE 1200 POUND POLAND CHINA.

I am now ready to book orders for spring pigs, both boar and sow pigs, sired by A Wonder 107353 and out of sows that weigh from 700 to 800 pounds. Also pigs sired by Big Joe 62174, all out of A Wonder dams. Pigs to be shipped at about 3 months old. Will have twelve February litters, balance in March. Get order in early and have pick of the herd.—**H. Fesenmeyer, Clarinda, Iowa.**

Escher's Big Poland Chinas

The best proposition of 1912, large, heavy boned and smooth, breeding the best. Tried sows, Jan. 10th, weighed 500 to 750 lbs., and spring gilts 250 to 400 lbs. Boars in service are, Chief Price 2d, Monarch's Wonder and Mabel's Hadley. This trio, we challenge any herd to defeat for size, bone and quality. Write for private sale catalog.
E. F. Escher, Manning, Iowa

SPRING PIGS

I am now booking orders for Spring Pigs, either sex, sired by Captain Hutch, King Hadley 2d, Hutch Jr., Mow's Longfellow Price, Panoramble and A Wonder out of Long King's Equal sows and sows of the best big type breeding and immense individuals in size and quality, big type breeding and immense individuals in size and quality, big type breeding and immense individuals in size and quality. Send for private sale catalog and prices. In buying at this age you save enormous express charges.
"THE HOME OF CAPTAIN HUTCH." C. W. JONES, SOLOMON, KANSAS.

THE MORTONS'

Poland China Bred Sow

SALE

Tampa, Kan., Thursday, March 28

60 HEAD -- 60 HEAD

SIRED BY
 Chief Perf. 2d, On & On, Keep On Meddler, Corrector 2d, Equipment, Master Winn, Star Pointer, Meddler 2d and others.

BRED TO
AUCTIONEER, STAR'S CHIEF, MEJOR UNION

This is the best lot of sows we have ever offered, and includes four of our very best herd sows:

VANITY, with two years' successful record in the show ring.
PANSY, litter mate to Banker.

SNOW BALL, a very large sow by Chief On & On.

MISS KEEP ON 2D, by Meddler 2d.

Send for catalog and arrange to attend this sale.

Address—

THE MORTONS

TAMPA, KANSAS

LAFE BURGER, Auctioneer.
R. F. HOWARD, Fieldman.

PURE BRED HORSES.

PERCHERON Stallions and Mares, including Regent 2nd, champion stallion Topeka, Mo. Prices Reasonable. JNO. A. PECK, Tecumseh, Ka.

The Best Imported Horses One thousand each. Home-bred registered draft stallions—your choice, \$1,000. F. L. STREAM, Creston, Iowa.

Home-Bred Draft Stallions \$250 to \$600; imported stallions—your choice, \$1,000. F. L. STREAM, Creston, Iowa.

FOR SALE

at all times, Percheron and German Coach Stallions, and good Jacks, among them one Imported Spanish Jack, a large one. My prices are right. M. C. CORLEY, ANTHONY, KANSAS.

7 Registered Percheron Stallions

1 5-yr. old black; 1 4-yr. dapple grey; 1 3-yr. dapple grey. These are splendid servers and sure foal getters. 2 blacks, coming two; two weanlings, priced singly or \$4,000 for the bunch. All good colors, with size. There is a difference between the producer's price and the price speculators sell stallions for. All guaranteed. This is a snap, and they are going to sell.

GEO. W. SCHWAB, CLAY CENTER, NEB.

Greatest Offering in Stallions!

60 big boned heavy Percheron, Belgian and "Boulonnais" stallions, acclimated and ready for heavy service, at half their value. 2,000 to 2,400 lbs. Write for information and catalog.


W. L. DeCLOW, CEDAR RAPIDS, IOWA.

RHEA BROS. ACCLIMATED PERCHERONS

We have a fine lot of stallions for this season's trade. They have the size and bone so much in demand today. Have two-year-olds. We sell them at living prices. Can furnish life insurance if desired, at cost. Write for prices, pictures, or any information you may want, or better still come and see us. On the main line of the C. & N. W. R. R. 28 mi. N. W. of Omaha, 8 mi. east of Fremont and 55 mi. N. of Lincoln. Either Phone T. 33.

RHEA BROS. ARLINGTON, NEBRASKA

Bergner & Sons' Coach Horses

65 HEAD  **65 HEAD**
What do you know about the Coach Horse? Do you want to know more about the Coach Horse?

German Coach Horses

are the best general purpose horse for the farmer. They have size, beauty, action, endurance and intelligence and mature early. They stand gracefully both hardships of usage and climate. Many a farmer does not know what a great farm horse the coach horse really is. Let us tell you more about him and you will want him. We are offering young stallions and fillies, also mares in foal to the imported Oldenburg Coach Stallion Mephistoles 4221. Call on or write, J. C. Bergner & Sons, "Waldeck Ranch," Pratt, Kan.

REGISTERED BAY PERCHERONS

40 HEAD
All Registered in Percheron Society of America.
Stallions, Brood Mares, Fillies and Colts. Sale barns in town. Call on or write.
Dr. J. T. AXTELL, Newton, Kan.

W. A. LANG & CO.
GREELEY, IOWA

Importers of
Belgian and Percheron Stallions and Mares

Last importation arrived Oct. 9, 1911. Stables filled with horses of extreme weight and heavy bone, ages from two to five years. All horses fully guaranteed. We buy nothing but first class sound horses. We handle no American bred horses. We deal only in imported horses whose pedigrees are all certified by the Dept. of Agriculture. Write for full particulars and handsome calendar.

W. A. Lang & Co., Greeley, Iowa

crowd was mostly local farmers and breeders and they showed a disposition to take hold and showed an appreciation of the work Mr. Winebrenner is doing for that community much more than last year. Mr. Winebrenner is in the business to stay and will hold his sale on November 7. Col. C. J. and Kemp Hieronymus conducted the sale in good shape. The following will show how they sold:

- | | |
|-----------------------------------|---------|
| 1—Sam Charles, Fortuna, Mo. | \$29.00 |
| 2—Homer Wesson, Tipton, Mo. | 31.00 |
| 3—Isaac Donley, Clarksburg, Mo. | 30.00 |
| 4—G. W. Landes, Hughesville, Mo. | 37.00 |
| 5—Homer Wesson, Tipton, Mo. | 32.00 |
| 6—Frank Swanner, Tipton, Mo. | 37.00 |
| 7—Al Brookout, Tipton, Mo. | 37.00 |
| 8—C. L. Maxey, Clarksburg, Mo. | 35.00 |
| 9—Frank Swanner, Tipton, Mo. | 30.00 |
| 10—H. A. Thomas, Tipton, Mo. | 47.00 |
| 11—R. C. Stevens, Clarksburg, Mo. | 32.00 |

The Nevius-Wedd Sale.

In spite of the fact that it was a postponed sale and that the second day was almost as bad as the first, Col. Bob Harriman sold 35 head of big type Poland Chinas for Nevius and Wedd at Chillicothe, Kan., March 8 to a very small crowd at the good average of \$34.50. The bad weather kept the attendance down, but those who braved the snow and wind were there for business and took the good things offered at very fair prices. The Wedd offering, on account of containing more matured sows, made an average of close to \$40. It was an offering of the usual Nevius "prove out" kind that will make the buyers good money. The price range was even, the top being \$65. Below is a representative list of sales:

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|--------------------------------------|---------|
| 1—R. P. Brinkman, Stillwell, Kan. | \$41.00 |
| 2—C. J. Woods, Chillicothe, Kan. | 30.00 |
| 3—Lon Sowards, Great Bend, Kan. | 34.00 |
| 4—L. L. Rutledge, Mt. Airy, Tenn. | 34.00 |
| 5—R. P. Brinkman, Bunceton, Mo. | 56.00 |
| 6—R. L. Meng, Paola, Kan. | 36.00 |
| 7—A. W. Brown, Chillicothe, Kan. | 41.00 |
| 8—S. Willard, Chillicothe, Kan. | 34.00 |
| 9—A. D. Bank, Lawrence, Kan. | 39.00 |
| 10—E. Dougherty, Stillwell, Kan. | 34.00 |
| 11—Margaret O'Keefe, Stillwell, Kan. | 51.00 |
| 12—H. O. Sheldon, Burlington, Kan. | 42.00 |
| 13—R. Q. Boyce, Spring Hill, Kan. | 40.00 |
| 14—D. S. Lentz, Wagstaff, Kan. | 41.00 |
| 15—Clarence Woods, Chillicothe, Kan. | 50.00 |
| 16—A. G. Banks, Chillicothe, Kan. | 41.00 |
| 17—J. T. Bates, Spring Hill, Kan. | 43.00 |
| 18—C. S. Nevius, Chillicothe, Kan. | 46.00 |
| 19—A. G. Banks, Chillicothe, Kan. | 46.00 |
| 20—J. F. Buckley, Pacyrus, Kan. | 26.00 |

The Kansas City Hereford Sale.

One hundred and three head of Herefords were sold at the two days' sale in Kansas City March 5 and 6 at an average of \$144.51. The 57 bulls averaged \$180.70 and the 46 females averaged \$100.55. Everything considered, it was a very satisfactory sale, though no better opportunity to get in the Hereford business right, by buying good stock has been offered for a long time. Well bred females, in many instances with calves at foot and bred again were sold at prices that warranted more breeders taking hold. The bulls sold well, though there was an unusually high class offered. Scharbauer Bros., of Midland, Tex., said to have the largest herd of registered Herefords in the world, something over 20,000 purebred cows, were the heaviest bull buyers, securing 17 head. J. C. McCall, of Rotan, Tex., was also a good buyer of the better things as was also Wm. Henn, of Kansas City. The top was \$320, paid by E. & N. T. Youngs, of Lexington, Neb., for Tempter 3d, the great young Beaumont bull, contributed by Makin Bros., of Grandview, Mo. W. A. Bichel, of Glenwood, Ia., paid \$340 for a toppy 2-year-old son of R. T. Thornton's great bull, Caesar. Beau Paragon, the aged bull, so long identified with the Makin Bros., Paragon Herefords, went to John Gosling, of Kansas City, at \$350. J. P. Cudahy, of Kansas City, paid the top for females at \$180, for a 3-year-old daughter of Armour Ankle, Col. Bellows, Zaun, White and Huxley conducted the sale. Below is not a complete, but a representative list of sales:

- | | |
|--|-------|
| 1—John Gosling, Lexington, Kan. | \$350 |
| 2—E. & N. T. Youngs, Lexington, Kan. | 820 |
| 3—Scharbauer Bros., Midland, Tex. | 160 |
| 4—S. W. Baugher, Bucklin, Mo. | 200 |
| 5—W. F. Rankin, Tarkio, Mo. | 200 |
| 6—J. Mulvane, Topeka, Kan. | 200 |
| 7—W. T. Littlechild, Wakeeney, Kan. | 175 |
| 8—J. C. McCall, Rotan, Tex. | 180 |
| 9—Wm. Henn, Kansas City, Mo. | 250 |
| 10—J. C. McCall, Rotan, Tex. | 160 |
| 11—E. J. McGrath, Williamsburg, Kan. | 215 |
| 12—U. G. Woodward, Glen Elder, Kan. | 335 |
| 13—M. B. Murray, Hereford, Mo. | 200 |
| 14—J. H. Tachud, Kansas City, Mo. | 180 |
| 15—W. A. Belt, Olathe, Mo. | 190 |
| 16—C. Steele, Barnes, Kan. | 275 |
| 17—J. D. Canary, Caney, Kan. | 205 |
| 18—Cananea Cattle Co., Sonora, Mexico. | 160 |
| 19—L. L. Woolery, Garden City, Mo. | 200 |
| 20—L. H. Theureux, Bladen, Neb. | 200 |
| 21—Scharbauer Bros., Midland, Tex. | 125 |
| 22—R. M. Dobson, Independence, Kan. | 130 |
| 23—J. C. Fulkerson, Higginsville, Mo. | 340 |
| 24—W. A. Bichel, Glenwood, Ia. | 180 |
| 25—J. P. Cudahy, Kansas City, Mo. | 180 |

What Size Are Our Best Jacks?

I believe the best jacks run in height from 15 to 15½ hands standard measure, and weigh as a rule from 900 to 1,100 pounds, sometimes up to 1,200 pounds, but when the latter is reached they are usually very fat. A good, big framed jack, weighing 900 or 1,000 pounds in fair breeding flesh, will weigh when fat 1,100 to 1,200 pounds. Sunlight in fair breeding order weighed 950 to 1,000 pounds and when fat weighed 1,250 pounds. A good head and ear, length, depth and width of body, plenty of bone, good foot, lots of substance, and as much style and action as you can get would, I think, be the important points. I have seen jacks weigh up to 1,000 pounds and be a very inferior kind, light boned, small head, and carry 200 pounds of surplus flesh. Following is a partial list of the best jacks I have sold in the last four or five years: King Taxpayer, 15½ hands, 1,200; Wonder, 15½, 1,200; Headlight, 14½, 1,000; Big Ben, 15½, 1,145; Bourbon Chief, 15½, 1,150; Ben Hur, 15½, 1,300; Prince Albert, 15½, 1,200; Big John, 15½, 1,000; Sunlight, 15½, 1,025; Paymaster, a partial jack, 15, 1,200; Highway, 15½, 1,500; Lightning, 15½, 1,500; Royal Prince, 15, 1,200; Gen-try's Napoleon, 15, 1,000; Dr. Knight, 15½, a partial jack, 15, 1,000; Glenn Taxpayer, refused 1,450; Jim Jefferies, 15½, 1,500; Mammoth Prince, 15½, 1,500; Pharoah, 15½, 1,600; Senator, 15½, 1,600; Blarney Jr., 15½, 1,500; Silver King, 15½, refused 1,600; Searchlight, 15½, 2,000; Carmax, 15.

(Continued on Page 55.)

North-Robinson-Dean Percherons



Our barns are full of good ones. Imported and American Bred Percherons, Belgians and Shires from 2 to 5 years old, that weigh from 1500 to 2400 lbs.

A fine bunch of 2 to 4 year old, pasture raised. The kind that give satisfaction.

We have some bargains in Mares. If you want your money's worth come and see us. Large calendar sent free.

North-Robinson-Dean Co.,
Grand Island and Bridgeport, Nebraska

WOLF BROS.' Imported Percheron and Royal Belgian

Stallions and Mares

In making the selection of our 1911-12 stock of Percheron and Royal Belgian stallions and mares, we spared no effort to obtain the quality, bone, action and size, this combined with the best blood strains that could be found. We are in a position to offer to the public the best that money can buy, at prices that appeal to everyone. They are here to sell. Come and see them and be convinced.

Wolf Bros., Albion, Nebr.



STALLIONS

Yes, stallion price cutter, that's what they call me, and I am proud of the title. I want to place one or more of my stallions or mares in every township, and I now have 60 head, another importation to be here this month, and I am going to slice prices on a grand scale. I will give the best of terms, and a cash guarantee. All my horses are registered in books approved by the government.

I want you to look at others' horses before you come and then it is up to me to make good to you what I say. Remember if you come and look at my horses and don't say the price is right, considering quality, I will pay your expenses. Come and see me and I will assure you a bargain. Drop me a card when coming, and I will meet you at the train.

L. R. WILEY, EMPORIA, KANSAS

STALLIONS AND MARES

Imported Percherons and Belgians

I have for sale at reasonable prices an importation of Percheron and Belgian Stallions and Mares, which I am confident will meet the demands of buyers, both in quality and price. Each stallion and mare was bought by me, personally, and I can guarantee them in every way. I have been in the city 24 years. My references are any bank or business house located in Emporia. A gilt edged guarantee given with every horse. Any one contemplating buying will do well to see these stallions before making their purchases. Visit my barns or write for particulars. Barns 4 blocks from Santa Fe depot.

W. H. RICHARDS

EMPORIA,

LYON COUNTY,

KANSAS.

ROBISON'S PERCHERONS

For Sale at greatly reduced prices to close Season's business.
Twenty-five good young registered Stallions.
J. C. ROBISON, - TOWANDA, KANSAS.

50—PERCHERON STALLIONS AND MARES—50

Bishop Brothers have 25 big boned stallions that weigh 1,700 to 2,100 pounds that they can and will sell for less money than any firm in the business, quality considered. Write us what you want.

BISHOP BROS., TOWANDA, KAN.

One Thousand up to Twelve Hundred Pound Jacks.

Yearlings that are Fifteen Hands High. Fifty Jacks and Jennets for sale of the best breeding. No other kind has a stopping place at Prairie View Jack Farm. \$500 will buy a better Jack than \$1000 will at many jack farms. We sell jacks every where. We want to sell you one. ED. BOEN, Lawson, Mo., 38 miles N. E. of Kansas City.



20 Mammoth Jacks For Sale

from 2 to 5 years. Big boned big black Jacks with white points. No better bred ones in the country. Several of them are prize winners. Been breeding jacks for 30 years. We make good our guarantee. Mention this paper and write or come to
Deierling & Otto, Schuyler Co., Queen City, Mo.
On Des Moines line of Wabash railway.

BIG PERCHERON SALE

SALINA, KANSAS

THURSDAY, MARCH 21st

I will sell at Salina, Kan., on Thursday, March 21, 1912, 43 head of imported and home-grown registered Percheron and French Draft mares and stallions, consisting of 11 stallions from 3 to 5 years old; 2 stallions, coming 2 years old; 6 stallions, coming 1 year old; 21 mares from 2 to 5 years old; 1 Belgian mare; 7 fillies, coming 1 year old; 1 Belgian stallion, 3 years old, weight 2,000 pounds. The champion 2-year-old Belgian horse, now weighing a ton and the first prize winner at Topeka and Hutchinson, will be sold in this sale; also 1 French coach horse; 1 Jack.



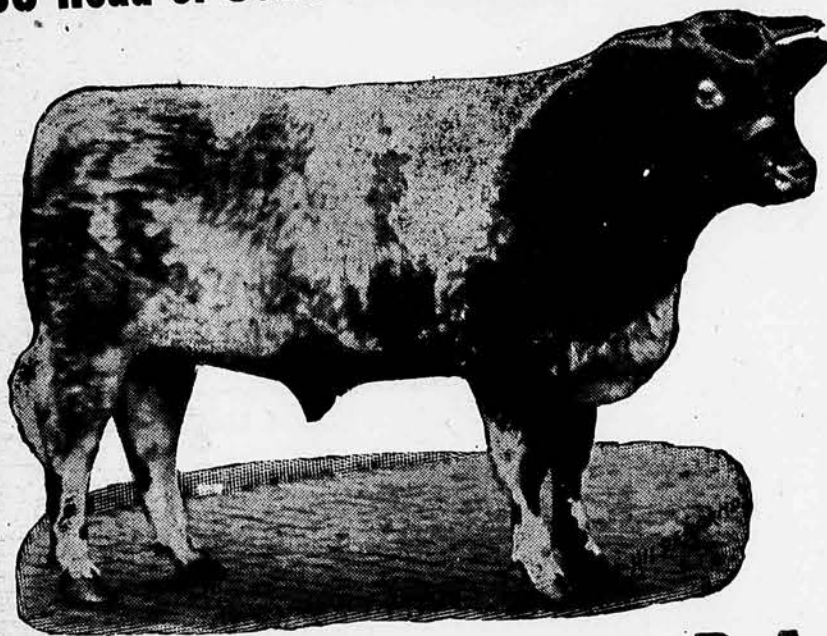
The above stock is large and growthy with plenty of conformation and weight. If you are in the market for a first-class stallion or mare, the kind to start the foundation for a family of horses, don't miss this sale. These horses are all thoroughly acclimated and ready for service. Several of these horses that will be sold on above named date were first prize winners at the American Royal at Kansas City and at Topeka and Hutchinson State Fairs. Come one or two days before the sale and look this stock over. Sale starts at 12 o'clock, noon, March 21st. Write for catalog.

C. W. LAMER SALINA, KANSAS

Shorthorn Dispersion Sale

At Hutchinson, Kansas, Wednesday, March 27th

60 Head of Cows and Heifers, 20 Choice Cows with calves by Victor Archer and most of them bred back again. 15 Choice Heifers, all bred to Victor Archer or Protector.



I am selling my two herd bulls, Victor Archer and Protector, and a number of young Victor Archer bulls of serviceable age. On account of other business I am practically dispersing my entire herd, and am offering an exceptional lot of useful cattle, which will give farmers and breeders an opportunity to buy at a time when they are sure to go on and make them money. The leading attraction in this sale will be my valuable HERD BULL, VICTOR ARCHER, by ARCHER, DAM ELDER LAWN VICTORIA. This sale will be largely a Victor Archer offering, including a number by Forest Knight, Gallant Knight's Heir and Royal Archer. All of the calves are by Victor Archer. All of the cows and heifers with calf are bred to either Victor Archer, Protector or Royal Archer. Please write for Catalog and arrange to come to my sale.

Auctioneers: R. L. Harriman, Lafe Burger.

R. A. STEWART, Hutchinson, Kan.

Remember the date, March 27, 1912, Hutchinson, Kan. Sale at Fair Grounds Pavilion

BIG BARGAINS IN REAL ESTATE

Dealers whose ads appear in this paper are thoroughly reliable and bargains worthy of consideration.

MUST SELL—Good 8 roomed house near college. A. W. Atkinson, Manhattan, Kan.

320 A., 100 good alfalfa land, 160 natural hay land. Near station. \$30.00 per a., terms. Moore & Fails, Liberal, Kan.

WRITE for list, Clark, Ford and Meade counties, wheat, corn, alfalfa and ranch land. Watts & Neal, Minneola, Kan.

WHEAT LAND \$7 to \$10 per a. Descriptions and state map, with views, free upon application. Clement L. Wilson, Tribune, Ks.

REAL ESTATE for sale—80 acres or 160, twelve miles Wichita, 1/4 Augusta. Cheap if sold by 15th March. Good terms. Address J. H. Marble, Augusta, Kan.

BEST IMPROVED farms and best ranch propositions in Comanche Co., Kan., for sale at lowest prices. Call or write for particulars. Testerman Land Co., Wilmore, Kan.

NOTHING pays better than an investment in our "Great Arkansas Valley Irrigated Lands." We have just what you are looking for. Write W. L. Van Horn & Co., Garden City, Kan., for particulars.

CASH SNAP—Fine smooth quarter five miles town, three blocks school, big improvements, good water, price for ten days \$2,600, \$1,600 cash. Sell sixty days for third more. BUXTON BROS., Ulica, Kan.

FARMS bought at right prices are a good investment. Send for our booklet containing choice bargains in the corn and alfalfa belt of southeast Kan. Farms, prices and terms are right. Write for it today. Miller & Son, First National Bank Bldg., Chanute, Kan.

80 A. 4 miles out, well imp., good orchard, 5 or 6 a. bottom land in alfalfa, 30 a. in cult., bal. pasture, some timber, 1 mile school, R. F. D. and phone, dandy little home, big bargain at \$2,300. J. F. HOSKINS LAND CO., Bennington, Ottawa Co., Kan.

POSSESSION—Nicely improved 160 acres, 110 cultivated, 40 bottom, 5 alfalfa, fenced hog tight, 8 orchard. Price \$7,200, terms. Write for free list. W. G. STUDEBAKER, Salina, Kansas.

22 A. joins town, good 4 room house and barn, hog sheds, 4 a. in pasture, with running water, balance alfalfa. An ideal hog and chicken farm, fenced and cross fenced, hog wire. For quick sale \$4,500. By OWNER, BOX 12, Colwich, Kansas.

FOR SALE—A suburban property to town of 800 population, Rice county. Eighteen 50 ft. lots in a body, fenced hog and chicken tight. Four room house, barn 26 ft. sq. with roomy hay mow, wagon shed, corn crib, hog house and lot, coal house, cob house, and plenty of water. Possession given. A snap if taken at once. Price \$2,000. Terms. Address Owner, care of Mail and Breeze, Topeka, Kan.

ONE OF THE BEST farms in the county, 320 acres only 5 miles from Independence, Kansas. 245 acres in cultivation. Half very finest bottom land, balance fine upland. Good improvements. Close to school and church. Price for quick sale ONLY \$45.00 per acre. J. D. KRAMER, Independence, Kansas.

IF YOU WANT TO BUY LAND in western Kan. for \$6.00 an a., write GEO. M. LYNCH, Co. Treas., Tribune, Kan.

MCPHERSON COUNTY, KAN. Improved land \$40 to \$100. Write for particulars. A. W. Bremyer, McPherson, Kan.

NEW LIST FREE describing Anderson county farms, \$40 to \$60. Geo. W. Her & Son, Garnett, Kan.

BARGAIN. 120 acres, all choice land, well improved, very desirable, 2 miles out, \$60.00 per acre if taken within twenty days. 80 acres improved 3 1/2 miles out, \$40.00 per acre. Send for land list. F. C. LIBBY, Blue Mound, Linn Co., Kan. J. L. Wilson, Salina, Kan.

160 A. WELL IMPROVED FARM. 80 a. in cult., balance meadow and pasture, all fenced, 40 a. hog tight, 5 a. in alfalfa, 7 room house, barn 34x40 ft., 2 1/2 miles to town. Price \$45.00 per acre, half cash, balance terms. KANSAS & OKLAHOMA LAND CO., Coffeyville, Kan.

SQUARE SECTION CHEAP. 640 acres 4 miles Hugoton, Stevens Co., Kansas. Santa Fe main line railroad to Hugoton this year. All level land, for \$6,400, only \$2,400 cash. Many other bargains along new Santa Fe extension. Subject to prior sale. F. M. MASON, Liberal, Ks.

80 ACRES ALFALFA LAND for sale. If interested write for list of ten 80-acre tracts near Salina. V. E. NIQUETTE, Salina, Kansas.

DICKINSON COUNTY BARGAINS We have many fine river and creek bottom land and also fine upland farms for sale. Good wheat, corn and alfalfa lands at reasonable prices. Write for lists. Mention this paper. BRINEY, PAUTZ & DANFORD, Abilene, Kansas.

Hodgeman County

We are close up to high priced land. Have good small ranches, running water, alfalfa land, perfectly smooth upland, good soil, good water. Good prices, easy terms. Write for price lists, county and state maps. F. M. PETERSON, Jetmore, Kansas.

Southwest Kansas Land

2,400 acres choice smooth land in Stanton county, Kansas. This land is on the line of the proposed Santa Fe railroad branch. Price \$6.00 per acre. Good terms if desired.

THE CHARLES E. GIBSON CO., DENVER, COL. ROOMS 1016-20 FIRST NATIONAL BANK BLDG.

640 A. IN MARION CO., KAN. 2 1/2 mi. from good R. R. town. No improvements, 20 a. in cultivation, balance in meadow and pasture. Well watered by spring and creek. Good fences. Price \$28 per acre. SIMPSON, STAATS & GIVIN, Emporia, Kan.

FARMS MUST SELL. Must sell several 80 and 160 acre farms by March first, 1912. They are priced at low value to sell. If you want to buy a farm see mine before you buy. Send for my list. Just put out. J. M. GARRISON, Attica, Harper Co., Kansas.

FOR IMPROVED FARMS in Central Kansas, write Cook & Coffman, Lost Springs, Kan.

WESTERN KANSAS LAND. \$7.50 an acre and up. W. W. HOLLY & CO., Leoti, Kan.

ANDERSON COUNTY FARMS. New list free; \$40 to \$70 per acre. Exchanges a specialty. RICE-DANIEL LAND CO., Garnett, Kan.

COFFEY COUNTY, KANSAS. In heart of corn and tame grass belt. Farms and ranches \$30 to \$60. List free. LANE & KENT, 3rd St., Burlington, Kan.

CHASE CO. RANCH. 1,000 acres, 150 cult. bottom, well improved, 7 miles town. Price \$25 per acre. Also alfalfa lands. Lists free. A. J. KLOTZ & CO., Cottonwood Falls, Kan.

EASTERN KANSAS FARM WANTED for each of the following. 160 a. Finney Co., 320 a. Gray Co., improved 160 a. Lane Co., improved 220 Logan Co., improved 560 Decatur Co. All clear. What have you? IOLA LAND COMPANY, Iola, Kansas.

SUBURBAN, NEAR HIGH SCHOOL, \$1,800 35 acres smooth land, two blocks of county high school, Altamont, Kan. Fine place to build a home without city taxes. Write or see DONAHUE & WALLINGFORD, Mound Valley, Kansas.

LINN COUNTY FARMS. Biggest bargains in Kansas. Corn, wheat, timothy, clover, bluegrass land \$15 to \$80. Coal, wood, gas, abundance good water. Fruit and everything that goes to make life pleasant. Large illustrated folder free. EBY BROTHERS & CADDY, Pleasanton, Kan.

EASTERN KANSAS. I have for sale at owners' prices over 300 choice improved farms, all sizes, in Lyon and Coffey counties. Fine corn, wheat, alfalfa, timothy and clover. Write for new illustrated descriptive circular. Some exchanges. ED F. MILNER, Hartford, Kan.

WELL IMPROVED FARM FOR SALE. Nice smooth half section in Labette Co., Kansas, near Parsons, fine town house 8 rooms, large barn, granary, etc., plenty of water, 80 acres wheat, 60 acres mow land, native grass, 60 pasture, fenced and cross fenced. Must sell to settle up estate. Price \$19,000, for cash only. Address WILSON & RESSEL, Colony, Kansas.

CATHOLICS. Do you want 80-160 or 320 acres of fine, level, good producing land? Failures not known. In a Catholic settlement. \$30,000.00 church, residence, priest and sister school. No trades. For particulars write E. SMITHHISLER LAND CO., Danville, Harper Co., Kansas.

A NEW DISCOVERY. We have discovered that there is a quarter of land 3 miles from town that can be bought for \$22.50 per a., \$1,200 cash, balance 5 years 6 per cent. Good large barn, sheds, granary, well, 100 a. cult., 60 a. pasture, fenced, fair house, smooth and level. Snap for a home. Come and see it. COONS AND JACOBS, Plains, Meade County, Kansas.

Seward and Stevens Counties Where broomcorn, wheat, milo maize and all kinds of garden stuff produce abundantly. Land is now cheap, but advancing rapidly. Write for literature. ELLSAESSER & HENRY, Liberal, Kan.

Best Stock Farm in Kansas Quick sale at bargain. Ideal home, 1 1/2 miles Washington, Kan., 160 acres all hog tight, 40 acres alfalfa, creek bottom, 3 fields hog tight, balance mow land and bluegrass. Springs, timber, fruit, feeding water works, barns, 8 room modern house, improvements, nearly about \$8,000 worth of improvements, nearly new, beautiful lawn, evergreen drive. Will have to see it to appreciate this home. Terms. Price \$110 per acre, worth \$150. Possession March 1st. C. N. McNULTY, Owner, Washington, Kan.

100 Farms Improved and unimproved. Send for our list of bargains. THOS. DARCEY, OFFERLE, KANSAS.

LAND! LAND! LAND! In Okla., Gulf Coast country and Kan. Prices low; terms easy. Exchanges made. JABEZ F. BRADSHAW, Lenexa, Kan.

Kaffir Corn is King in Butler county, Kansas. Not a failure in 20 years. Alfalfa is Queen, with 33,000 acres. First in cattle and acres grazing land. Second in tons of prairie hay. Prices of land and general information on request. L. L. KISER, Eldorado, Kansas.

Your Last Chance New List Plains, Kansas. Town Lots just placed on market. Last list of choicest locations at present low prices, \$12.50 to \$50—easy monthly payments. RIGHT NOW is time to buy. Late views, list, etc., upon request. A few live agents wanted. JOHN W. BAUGHMAN, Plains, Kansas. Desk "G."

FOR SALE 480 acres 5 miles north of Lawrence, Kansas, 1 1/2 miles from Midland. 400 acres tillable, mostly second bottom. No overflow land. Is watered by 2 never failing streams; has 3 large barns; a large house, and numerous outbuildings all in good condition. There is no better grain or stock farm in eastern Kansas. A BARGAIN at \$75.00 per acre. CHARLES E. SUTTON, Lawrence, Kansas.

Washington Co., Kan. Land No. 26—365 acres in Washington county, 4 miles from a good town; improvements only fair. 200 acres fine bottom land, best kind of soil; 160 acres best upland in north-east Kansas, making an all around grain farm; sure crop every season. On the market only a limited time; at \$75.00 per acre. This will carry a good loan and balance will have to be cash. PRALLE BROS. REALTY CO., Bremen, Kansas.

Sedgwick County Farm Bargains 150 a. farm, large house, barn, orchard, good land, \$7,500. Terms on \$3,500. 320 a., two good farms, well improved, best of land, \$55 per acre. 120 a. farm, well improved, good land, \$50 per acre; \$1,000 cash, bal. long time. 40 a. tract, make fine chicken ranch, \$1,600. 80 a. valley farm, good improvements, 20 a. fine alfalfa, near city. \$80 per a., terms. H. E. OSBURN, 227 E. Douglas, Wichita, Kansas.

OKLAHOMA. BEST FARMS in Oklahoma \$20 to \$50 per a. Write C. A. West, Miami, Okla.

OKLAHOMA farms. Write O. P. Williams, McAlester, Okla., for his latest farm list.

EASTERN Oklahoma Indian lands. List free. Write F. S. Ashleman, Nowata, Okla.

EASTERN OKLAHOMA farms for sale by owner. All prices and sizes. Write W. A. Hancock, Pryor, Okla.

FOR PRICES and description of the best prairie land in eastern Oklahoma write T. C. Bowling, Pryor, Mayes Co., Okla.

EASTERN OKLAHOMA Indian lands, \$5 to \$10. If you want a money-making investment, write F. A. Blanck, Stilwell, Okla.

160 A. farm four mi. Co. seat, well imp., 100 a. in cult., \$7,500. \$1,000 cash, \$500.00 a. yr. Also well imp. 160 a. farm, \$6,000. J. H. Fuss, (The Land Man), Medford, Okla.

GOOD 80 acre Pottawatomie county, Oklahoma farm, 6 miles from Shawnee; lays well; 65 acres in cultivation, balance hay land; soil dark sandy loam; fair improvements. \$2,000 cash, balance terms. \$3,200.00. Lambard-Hart Company, Shawnee, Okla.

1,030 ACRES in this, Pittsburg Co. 100 acres in cultivation. Fenced hog proof. 200 acres prairie. 300 acres open timber, but fine grass. Balance timber with some open glades. Plenty of never failing water. Price \$6.00 per acre. No exchange proposition. SOUTHERN REALTY CO., McAlester, Okla.

GOVERNMENT FARMS FREE—Our 1912 official 132 page book, Free Government Land, describes every acre in every county in the United States; contains township and section plats, Maps, Tables and Charts showing inches rainfall annually, elevation above sea level by counties, Homestead, other government land laws, tells how and where to get government land without living on it. Application Blanks, United States Patent. Ask about Government Irrigation Projects, map showing location of each. Tax laws of each state, other information. Price 50 cents postpaid, direct from publisher. THE HOME BUILDERS, 508 West Main St., Oklahoma City, Okla.

LAND FOR SALE—650 acres in Osceola Co., near Osceola county seat. About 12 miles from Okla. line. This land is the very best of soil. If interested write KNIGHT & WILLIAMS BROS., Broken Arrow, Oklahoma.

FOR BEST FARM LANDS in Payne and adjoining counties, \$20 to \$50, write Ira Stout, Farmer's State Bank, Cushing, Okla. Map and list free.

TERMS TO SUIT. 160 a. 7 miles of Medford, 4 1/2 miles of R. town, 35 a. fenced with 3 ft. woven wire in pasture, balance in cult., good orchard, small fruit, fine water and mill, 4 room house, large barn and sheds, 2 miles of school, some wheat. Good loose loam soil, good ALFALFA land. Write us for trades. BATTEN REALTY CO., Medford, Okla.

OKLAHOMA.

POCKET MAP OF OKLAHOMA for five names of persons intending to change Caddo county corn and alfalfa land. BALDWIN & GIBBS CO., Anadarko, Okla.

SEE HERE! 80 A., WELL IMP., \$4,500. 80 unimp., \$3,000. 160, \$4,500. Get my list. Easy terms. E. E. WOOD, Newkirk, Okla.

\$2.50 PER ACRE buys 360 a., 4 miles Kosoma, Okla. Title good. No trades. RINGLANDS, McAlester, Okla.

DO YOU WANT THIS SNAP? 160 acres partly improved, 5 1/2 miles south of Bates, Arkansas, railroad town. House, barn, well, about 40 acres cleared, bal. pasture and timber. Only \$3.50 per acre cash. W. F. COLNON, Heavener, Okla.

Oklahoma Wants You 500 choice farms good. Easy terms. Soil and climate excellent. Write for list. Roberts Realty Co., Nowata, Okla.

Indian Lands for sale, 300 choice farms, N. E. Okla., low prices. Easy terms. Perfect title. E. T. TETER & CO., NOWATA, OKLA.

ALL VERY GOOD We have the very best of all smooth tillable land. R. T. WRAY & CO., Tyrone, Okla.

MISSOURI.

CHOICE Mo. farms near St. Louis. Easy terms. Franklin Realty Co., Union, Mo.

SPECIAL farm bargains this month. List free. Morris & Walker, Mountain View, Mo.

DAIRY, poultry, fruit, stock and timber lands, all sizes and prices. Write Ozark Realty Co., Birch Tree, Mo.

R. S. PHILLIPS & CO., Mar. field, Mo. offer unsurpassed opportunities to homeseekers in Ozarks of Webster Co. Write for descriptive farm list. It's free.

WELL IMPROVED farms and ranches of all sizes, sell from \$10 to \$65 per acre, easy terms. Unimproved land cheaper. Descriptive price list free. J. H. FREDERICK, Cole Camp, Mo.

A FINELY IMP. 60 acres in Henry Co., 2 1/2 miles of Calhoun, 40 a. bottom land, fine orchard, good water. Price \$3,000.00, half cash. 620 a. fenced, 2 miles to railroad. Price \$12.50 per a. MISSOURI LAND CO., Humansville, Mo.

IMPROVED FARMS FOR SALE in southern Missouri, where land is cheap, yet good. Write Ed. J. Shuck, Eminence, Mo., for terms.

FARM BARGAINS. We are offering you the choicest list of lands in America. Splendid stock farms, within your reach. Corn and clover lands. Cheap. Send for list with descriptions and price. C. H. MARTIN, Doniphan, Mo.

HERE IS A BARGAIN. 200 a., fair imp., 140 in cult., 60 a. splendid grass. Living springs, gently rolling land, good soil, no rock except on 8 a. R. F. D. close to town and school. Price \$30.00 per a., half cash, bal. 5 yrs. 7 per cent. J. W. CARPENTER, The Land Man, Bolivar, Mo.

CARTER COUNTY BARGAIN. 150 acres of good unimproved farming land, located 9 miles of Van Buren, county seat of Carter Co. Fine pasture land, also sent for dairy and fruit farming; in fact you can raise almost everything raised in the North. Fine climate, good water, schools, churches. A bargain at \$10 per acre. Write JOHN M. CARNAHAN, Van Buren, Mo. (County Clerk and Recorder, Carter Co.)

Fine Howell County, Missouri, Farms. 450 acres, well improved, near West Plains, the county seat. \$30 per acre. 160 acre farm, 40 in cultivation, new 4 room cottage, good frame barn, other buildings; 7 miles railroad town. \$15 per acre. A. P. COTTELL, Pomona, Howell County, Missouri.

FREE: "Homeseekers' Review" BEST LAND Journal Published Many big bargains. WEST PLAINS REAL ESTATE CO., West Plains, Howell County, Mo.

ARKANSAS.

38 CHEAP farms for sale in White Co., Ark. Letona Realty Co., Letona, Ark.

ASK US for list of Arkansas land bargains. Arkansas Guaranty Title & Trust Co., Little Rock, Ark.

BARGAINS in north Ark. Good valley farms and cheap dairy and grazing land. Clayton & Wayt, Hardy, Ark.

920 ACRES corn, cotton and alfalfa land. Soil 20 ft. deep, on railroad with station on land. Artesian water. \$20.00 per acre. McIVER Co., Texarkana, Ark.

FOR FREE INFORMATION about Arkansas fruit and general farming land, at low prices, on liberal terms, write us. New list free. Griffin & Wasson, Gentry, Ark.

240 A. imp. farm; 100 cult.; bal. timbered; soft well water; orchard; level; no rocks; white community; healthy; 3 mi. Winthrop, on K.C.S.Ry. \$4,800. Terms easy. Roberts Sessions, Winthrop, Ark.

ARKANSAS.

GO TO ARKANSAS where opportunity awaits you. Send for literature describing the best lands in the best county in the state. Write to BERT J. MYERS, Immigration Agent, Headquarters at Riverton, Nebraska.

FOR SALE—Good general purpose farm of 612 acres, 8 miles out, 290 cleared of creek valley and upland. Sited to corn, cotton, wheat, grasses, etc. Farm finely watered by springs and creek. Three sets of improvements. About 25 acres now in wheat. Price \$12.50 per acre, might take half in other property. For full particulars with land list and book of information write J. L. McKAMEY, Imboden, Lawrence Co., Ark.

IT'S FREE.

For booklet and price list Arkansas farms, write Moore & Martin, Prescott, Arkansas.

ARKANSAS LANDS.

For fruit or general farming, at much less than their actual producing value. Fruit, berries and all staples grow to perfection. Land values are advancing rapidly. New list free. COLLINS & HUNSAKER, Decatur, Benton Co., Ark.

COME TO DECATUR, ARKANSAS.

See us for bargains in fruit farms, grain farms, stock ranches. Also Okla. lands, good climate, water, soil, health and opportunities. We have land \$2.00 up. Don't fail to see us. Literature and list free. FLEMING & WEAVER, The Land men, Decatur, Ark.

CHEAP LAND, S. W. ARK.

40 acre homestead, 3 room house, well, etc., \$225. 90 acres on K. C. S. Ry., cut over land, \$6.50. 160 acre farm, five room house, well, 35 acres open, \$1,400. Fine second bottom river land covered with timber, \$12. R. L. JOHNSON, Allene, Little River Co., Ark.

FOR BARGAINS

In Arkansas farm and timber lands, write H. G. LONG, Hoxie, Ark.

IF YOU WANT TO BUY ARKANSAS LAND Write S. C. Dowell, Walnut Ridge, Ark. Finest farming, timbered and rice lands in the state at lowest prices. No trades.

SCOTT COUNTY, ARKANSAS.

Improved farming land, from \$10.00 an acre up. Raises big crops of fruit and all staples. Ideal country for stock raising. Also timber land for \$5.00 an acre up. New list free. HUBERT J. HALL, Waldron, Arkansas.

A HOME FOR YOU IN ARKANSAS.

80 acre farm, 25 in cultivation, 5 room house, barn and outbuildings—4 mi. from city, \$1,500.00. Easy terms. 800 acres, cut over land, will make good upland farms. Some cleared land now in cultivation on tract, \$10.00 per acre. Easy terms. Farms, Lands, Homes, 16 years' experience in Arkansas lands. REAL ESTATE DEPARTMENT, TEXARKANA TRUST CO., TEXARKANA, ARK. Colored map of Arkansas for 2c stamp.

Arkansas Prairie Land 266 1-2 A.

200 a. in cultivation, 2 houses, 2 barns, well watered, 2 mi. to R. R. station, good school ¼ mi. Price \$6,000. For further information write E. BARHAM, Zinc, Ark.

ARKANSAS

Land of corn and cotton
The best that you ever saw—
Never to be forgotten
Grand Old Arkansas.

Land of mellow peaches,
Land of golden wheat,
'Tis experience teaches
It's mighty hard to beat.

Land of reddest cherries,
Apples, pears and plums,
Land of endless berries,
To the front she comes.

Blessings rise upon us,
Love for all the girls;
Hail the land of promise;
Hail the land of pearls.

Land of peace and plenty,
There isn't a state in twenty
That beats old Arkansas.

For particulars of prices on land for homes or investments write G. A. Long, 325 Southern Trust Bldg., Little Rock, Ark.

LOUISIANA.

TIMBER and farm lands, city prop. and mdse. Describe and price your prop. Ragdale-Bland R. E. Ex., Shreveport, La.

RICHEST lands in U. S. located in famous Red river valley. Best adapted to corn and alfalfa. Some exchanges. W. C. Evans Realty Co., 610 Market St., Shreveport, La.

IF YOU WANT TO BUY A FARM or cut-over lands within a radius of 50 miles of Shreveport, write to HANSEN-MASON REALTY CO., Shreveport, La.

Farm and Timber Land in Caddo Parish, La., at \$10.00 to \$50.00 per a. Farm lands are very fertile and productive and rent readily for 10 per cent of their value. Write for free illustrated literature. HERNDON-JETER CO., Shreveport, La.

TEXAS.

COLONIZATION tracts, two to five thousand acres in rain belt. The Baughman Realty Co., Eagle Lake, Texas.

WRITE FOR FREE literature describing choice lands in the Eagle Lake district. Send your name today. Fidelity Immigration Co., Eagle Lake, Texas.

TEXAS.

GULF COAST LANDS. Ranches, city property and mdse. For other good propositions, no matter where located. Deering & Neel, 310 Scanlan Bldg., Houston, Tex.

10,000 ACRES. Lower Panhandle Texas—shallow water—Santa Fe territory—sold in 160 acre tracts if desired. Also improved farms in Mitchell county, line of Texas Pacific Railway. C. H. EARNEST, Owner, Colorado, Texas.

POTATO LAND.

1,400 a. Brazos val. red soil alluvial soil; \$13.50 a. N. B. Knight & Co., Houston, Tex.

PROFITS IN GULF COAST LAND. Wonderful production, large increase in value, an attractive home. Get our Free Booklets, "The Road to Prosperity" and "A Pointer on Where to Buy Land." Will send you free "The Gulf Coast Bulletin" for 6 mo. Write THE ALLISON RICHIEY LAND CO., 2nd Floor Carter Bldg., Houston, Tex.

Investigate This Before Buying.

1,500 acres of heavy black loam located within two miles of good railroad town. Ready for the plow and will sell in tracts of 80 acres up. Or will sell all at an attractive price. Write us for prices and terms. FERGUSON & POST, Iroquois Bldg., Victor, Tex.

NEW MEXICO.

NINETY THOUSAND acres of fertile farm land for sale in eastern New Mexico; will cut to suit and sell on long time payments. Also a number of improved farms for sale. If interested write us for information; it's free. Address HAVENER DEVELOPMENT CO., Clovis, N. M.

FLORIDA.

FOR SALE—First class small hotel in one of the best new towns in Florida. Town growing rapidly and hotel on profitable basis netting \$100 to \$150 per month. Surrounded by beautiful orange grove; rare opportunity. FLORIDA DEVELOPMENT COMPANY, Davenport, Florida.

COLORADO.

320 a. homestead relinquishments, a few choice ones, fine land, last chance. Write us. National Inv. Ass'n, Akron, Colo.

FOR SALE BY OWNER—Irr. farms in the famous Arkansas valley. All in cultivation. Old reliable irr. system. Easy terms. Agts. wanted. A. J. Reynolds, La Junta, Colo.

MONEY making stock ranch, 960 a., eastern Colo., half sec. clear, deeded; section school lease adjoining; 750 a. nearly level. Good improvements; 8 miles to inland town; open range close. Price \$4,500, half cash. Now running 250 head mixed stock and big bunch of hogs. Plenty feed. E. L. PALMER, Laird, Yuma Co., Colo.

FOR SALE—Section land Cheyenne county, Colorado, six miles from Wild Horse, chocolate colored loam, clay subsoil, all plow land. This is one of the finest sections in Cheyenne Co. Address GEO. C. HARPER, 67 Chamber of Commerce, Minneapolis, Minn.

FOR SALE—Ark. valley irr. alfalfa lands, most desirable climate and lands with water in West. Geo. R. Wilson, Lamar, Colo.

LOGAN CO., COLORADO, LANDS. Upland \$6.00 to \$35.00. Irrigated \$35.00 to \$125.00. Free information. K. BUCHANAN, Sterling, Colo. Over postoffice.

WASHINGTON CO., COLO., LANDS. From \$3.00 to \$80 per acre. Write for FREE information. It will pay you. MACDONALD-PURDY LAND CO., Akron, Colo.

AVOID DROUGHT AND FLOODS. Constant sunshine and bountiful water under the new Pueblo Irrigation District adjoining city. Only \$30 per acre. For descriptive circular and maps write COBURN & McCLINTOCK, Box 797, Pueblo, Colo.

KIOWA COUNTY, COLORADO. corn, wheat and alfalfa lands, \$8.00 to \$15.00. Homestead relinquishments \$25.00 up. A few 160 acre relinquishments under prospective irrigation. Folder and copy of homestead laws sent free. THE WESTERN REALTY CO., Eads, Colo.

LAS ANIMAS, BENT CO., COLO. In the heart of Ark. Valley, where irrigation has made the desert to blossom as a rose. Alfalfa, wheat, oats, sugar beets, famous pink-meat cantaloupes, and many other crops produced abundantly. KURTZ-STALEY LAND CO., Las Animas, Colo.

ARKANSAS VALLEY IRRIGATED LANDS. Where alfalfa, wheat, oats, cantaloupes and sugar beets produce mammoth crops every year. We sell and exchange these lands. If you want a good home, or money-making investment, write McCauley & Mahoney, La Junta, Colo.

Wheat and Alfalfa Land Kiowa Co., Colo., \$8.00 to \$25.00 per a. 25,000 a. will be irrigated. Write for free maps and description. Shallow sheet water. A few good homestead relinquishments yet. FIRST STATE BANK, Brandon, Colo.

Western Land Bargain Shop

We have the choicest selection of large and small tracts of irrigated and unirrigated land in Colorado, Wyoming, Texas, Arizona and New Mexico. Write and let us tell you how you can get a good western farm at a low price or good land for investment. Twenty-five years' experience. Information free. JOHN H. HOLLOWELL (The Land Man), 607 17th St., Denver, Colo.

GEORGIA.

BARGAIN. 1,470 acres of good cut over land in south Ga., for quick sale. Price \$3.50 per acre. Apply Callahan Realty Co., Callahan, Fla.

MEXICO.

EVER HEAR OF MACINESO, Mexico? Place of FREE HOMES and perpetual income. Everything guaranteed. J. M. Mason, Columbus, Kan.

MICHIGAN.

Michigan Farm Bargains

Have you heard the news? Western farmers are going to Michigan by the hundred. My booklet, "Michigan Clover Farms," tells you why. Write for it. It will be a revelation. List of farms with it. S. V. HAYES, Dept. D, Grand Rapids, Mich.

IDAHO.

RICH, productive, deeded land on railroad; excellent markets; schools; free range; lowest prices. Unequaled opportunity for home-builder or investor. Descriptive bulletin giving full particulars. Write at once to Bear River Valley Land Co., Montpelier, Idaho.

FOR SALE OR EXCHANGE

GROCERIES and merchandise for farm. Other trades. F. Gass, Joplin, Mo.

BUY OR TRADE WITH US—Exchange book free. Bersie Agency, Eldorado, Kan.

WRITE FOR LISTS, sale or exchange. The Eastern Kan. Land Co., Quenemo, Kan.

CLEANEST legitimate exchanging offered. Middle West Ex. Bureau, Cherryvale, Kan.

2,500 ACRES Ozark fruit and grazing land to exchange for merchandise. Write J. H. Smith, Eminence, Mo.

LIST your property for quick sale, rent or exchange, with Ed Ruckman & Co., 807 Sweiter Bldg., Wichita, Kan.

IF YOU WANT to buy or trade for an Arkansas valley farm, write to or call on C. L. Seeley, La Junta, Colo.

WE WANT stocks, residences, and farms listed for exchange. Write for listing blank. Cassoday Realty Co., Cassoday, Kan.

HEY, THERE!—Get our booklet, Mo. Ozarks. New list. Exchanges our strong suit. Baker Realty Co., Mountain Grove, Mo.

FOR SALE OR EXCH.—Central western Kan. land, \$10 to \$50 per a.; city property and merch. B. T. Cutler, McCracken, Kan.

HUNDREDS of bargains in improved farms, located in 20 states. Sale or exchange, list free. W. P. Burrow, Warm Springs, Ark.

BOOK 1,000 farms, etc., everywhere, for ex. Get our fair plan of making quick, square trades. Graham Bros., Eldorado, Kan.

FOR SALE OR EXCHANGE—Good wheat and corn lands. Describe and price your proposition. Jess. Klesner, Garden City, Kan.

FOR SALE OR EXCHANGE—Irrigated or unirrigated eastern Colorado lands at reasonable prices. Andrew Townsley, Holly, Colo.

FOR SALE AND EXCHANGE—Eastern Kansas farms, western lands, city property and stocks of mdse. Write today stating what you have. O. C. PAXSON, Meriden, Kan.

960 A. 4 mi. Eldorado, well imp., creek, timber, 140 bottom alfalfa land, 260 cult., 700 past., \$42.50 a. Terms. Other cash and exch. propositions. V. A. Osburn, Eldorado, Kan.

FOR SALE OR TRADE—First class wheat land, also the best of pasture land, at prices from \$15 to \$40 per acre. Wheat is looking fine; one crop will pay for the land. Meyer Bros., Morland, Kan.

\$5,000.00. Telephone exchange for sale or trade. Write C. W. SPANGLER, Mulhall, Okla.

EXCHANGE FOR MDSE. OR HARDWARE. 480 a. good smooth land in south central Kan. Owner, H. C. Whalen, Wichita, Kan.

TO TRADE FOR MERCHANDISE. Fine farm of 120 a. close to town; good imp.; about 40 a. in alfalfa; price \$12,000. Same party owns 320 a. that can be irrigated by pumping plant; price \$8,000. Will trade one or both. Fine home or investment. Other bargains. GORHAM REALTY & LOAN CO., Garden City, Kan.

FOR EXCHANGE. 72 acres 1½ miles of this city, all fenced with 60 acres in cultivation, balance in pasture. This place is well improved and dandy. Will take \$1,500 in good income property, balance time and money. What have you to offer? Price \$75 per acre. Write to Jas. B. Webb & Co. for information at West Plains, Mo.

CATCH THIS. For sale, two alfalfa farms, adjoining Newton Kan. Two modern up-to-date flouring mills clear, to exchange for land. COOK & FRANCIS, Newton, Kan.

EXCHANGE FOR LAND OR CITY PROPERTY. Stocks of groceries and dry goods, ranging from \$1,000 to \$5,000. We also have land in central and western Kansas to exchange. B. M. MURPHY & CO., Hutchinson, Kan.

WANT TO TRADE 200 acres choice valley land, all tillable, new 8 room house, new barn 36x48, 3½ miles to railroad station. Want central western Kansas land. MANSFIELD LAND COMPANY, Ottawa, Kansas.

SNAPS FOR SALE AND EXCHANGE. Good, smooth unimproved land on the new southwest R. R. at \$10.00 per acre. Also have land here to exchange for land east. Garage and machine shop, will trade for land or city property worth the money. Have all kinds of mdse. to trade. SANTA FE LAND CO., Dodge City, Kan.

MISSISSIPPI.

3,000 A. in tracts to suit purchaser, especially adapted to truck, oranges and all staples. \$12 per a. and up. Write for full information. W. A. COX, Gulfport, Miss.

SOUTHERN MISSISSIPPI.

Ideal for general farming as well as oranges, pecans, truck, grape fruit, etc. Anything that you put into the ground here in this genial climate grows and produces abundantly. Write for list, land \$10.00 up. SOUTHERN LAND CO., Wiggins, Miss.

NEW YORK.

OTHER BUSINESS FORCES THIS SACRIFICE FOR IMMEDIATE SALE.

Farm of 209 acres, twelve room house, fine condition, six room tenant house, good condition, two large barns, granary, hog house, 2½ miles from railroad town, 21 young cows, 3 heifers, 7 hogs, four wagons, harnesses, mower, grain drill, harrows and small tools. Price, \$7,500. Terms, \$3,000 cash, balance five per cent. HALL'S FARM AGENCY, Owego, Tioga county, New York.

FARM AND FRUIT LAND sale or exch.; also city prop. and mdse. Moss, Hays & Co., Siloam Springs, Ark.

FARM BARGAINS

For sale or exchange, any size, any price, anywhere. We can match any trade. SEWELL LAND CO., Garnett, Kan.

For Sale or Trade

for picture show or restaurant, or racket stock, 20 acres of land joining the town of Amalgam, New Mexico. Subject to irrigation, and all can be thrown into town lots. Price \$2,000 clear. GEO. MANVILLE, Holton, Kan.

FARM BARGAINS

For sale or exchange, any size, any price, anywhere. We can match any trade. J. P. DUNCAN REALTY CO., Wichita, Kan.

"LOOK-EE HERE"

\$9,000 furniture, trade for good land. \$7,000 general merchandise, want good 80 in eastern Kansas. We are not "mossbacks." Send in your proposition. OWNERS SALE & EXCHANGE, Neodesha, Kan.

Do You Wish to Swap?

If so write us fully first letter what you have and what you want. We match 'em. Also some farm snaps for cash. OAKLEAF & HILL, Cherryvale, Kan.

Want \$15,000 Farm

for half interest \$30,000 telephone system with position as manager. Located in Oklahoma. Two exchanges. J. Q. Green, 1120 Commerce Bldg., Kansas City, Mo.

For Sale or Trade

1,230 acres of choice land, all well improved, on the Rock Island railroad, from one to five miles of Naravisa, New Mexico. Prefer south Mo. or Ark. land. AMOS PEARCE, Naravisa, N. M.

WANT A LOCATION?

I can sell or exchange your farm for you for another farm, city property or business of any kind. If you wish to change locations give me a full description of what you have to offer, what you want and where you want it. Owners only. CARL M. COOK, Limon, Colo.

Farm For Merchandise

We offer 320 acres good smooth land 15 miles from Tyrone, Okla., land in Stevens county, Kansas, on R. F. D. and telephone line, some improvements, such as well, house, barn, etc. Price \$5,000. Mortgage \$2,000 due 1914 7 per cent. Will trade equity for good stock of groceries and dry goods. Give full particulars first letter. LAND-THAYER LAND CO., Liberal, Kansas.

240 Acres of Irrigated Land

close to Alamosa, Colorado. Will soon be in the city limits. Price \$100 an acre. Also \$2,000 worth of city lots in Oklahoma City. Will take gen'l mdse. or hardware store, not exceeding \$20,000 to \$24,000. STEVENS & RUBY, Stockton, Kan.

Good Exchanges

\$8,000.00 A-1 general mdse., central Kansas, for clear land. \$20,000.00 hdw. and impts., northern Oklahoma, for good cheap land. 100 acres fine land near Houston, Tex., at \$50.00 per acre, for Kansas land or mdse. Four new apartment houses, rents \$160.00 per month, fine location in Wichita. Trade for clear Kansas land. 50 well located vacant lots for western Kansas land. LEACH REALTY CO., Wichita, Kan.

Mill Property Exchange

Capacity 225 barrels flour per day; 20 tons alfalfa per day. Warehouse capacity about 10 cars flour and feed; alfalfa barn capacity, 100 tons; elevator, 16,000 bu. capacity; 3 story building; first class equipment on each floor; engine and boiler house, 36x39; also office, wagon scales, coal sheds, together with alfalfa mill; a 2 story cement building, 24x48. Price, \$27,000, clear; owner says sell (reasonable terms) or exchange for good grain farm, Kansas grazing land or K. C. income. WILL T. GARST R. E. CO., 307 Commerce Bldg., K. C., Mo.

What Breeders Are Doing.

(Continued from Page 51.)

refused \$1,500; Tarpley's Lightning, 15%, \$1,200. This is an average of about \$1,350 on these 25. I mention the above because so many write me they want a jack not less than 16 hands. I believe they get their idea from descriptions sent out that are very much exaggerated. During the last eight years I have sold from 20 to 35 jacks each year; the average during this time has been close to \$800. Several of these jacks were sold to dealers and later resold for a profit. During the last four years I have bought and sold about 600 weanling mules and the best sellers are like the jacks, not the leggy kind, but mules of medium height, with good bone, plenty of weight and the more finish the better. The foregoing is taken from G. M. Scott's private sale jack catalog. Mr. Scott has a lot of this kind to sell. Address him at Rea, Mo.

Gronniger & Sons' Poland Sale.

Over 30 years actively engaged in the breeding of Poland Chinas, the last six or seven of which were devoted to the big type, and each year showing an increased business is the record of Herman Gronniger & Sons, Bendena, Kan. Their years of experience in the business have enabled them to learn the wants and to be able to supply the demand for the improved kind. Each year they raise around 300 head. They are equipped for the handling, raising and feeding of this large number probably better than any other firm in the country. They have one of the best farms in Kansas and it is an ideal breeding farm in its equipment. A large part of the results of each year's produce is put back in the herd for its improvement. They haven't had any form of disease, except minor trouble, such as every herd is bound to have, for over 17 years. It is largely the careful and clean way in which the hogs are cared for that is responsible for this remarkable record. On Thursday, March 28, Messrs. Gronniger will sell a select draft of 50 head of sows from their herd. This offering includes mostly tried sows, spring and fall yearlings, with a few last spring gilts. They are sired by big type boars carrying the best blood lines possible and are sired to boars of equal merit. These sows are due to farrow in April and early May and the sale comes at a time that is advantageous to farmers and breeders alike. It is an offering of the class that these breeders have been putting out for the past 10 years. The only difference is in the quality of the offering that would be sold from a herd that shows improvement each succeeding year. They are the make-good kind, the practical big type that combine size and quality and are money makers. They solicit the breeding patronage on the merits of the offering and extend a cordial invitation to all to be their guests sale day. Read the advertisement in this issue and write for a catalog. C. H. Walker will attend the sale for this paper and mail bids may be sent to him in their care. Kindly mention this paper when writing.

Iowa

GRANT GAINES.

Acclimated Percheron Stallions.

To the man who is in the market for a first-class home bred Percheron stallion, we want to recommend the firm of Rhea Bros. at Arlington, Nebr. They have one of the best lots of high-class, home-bred stallions to be found in this or any other state. They are the big drafty kind with all kinds of bone and style and best of all they are thoroughly acclimated and will go into the hands of any man who will give them even ordinary care and will make good. They have been raised right here and have not been pampered and have the constitutional vigor that insures their being good, strong breeders. The firm of Rhea Bros. has been in the business for a number of years and you can rest assured you will get a square deal if you buy a horse from them. Write them for further particulars, mentioning this paper.

News From DeClow.

"My first importation of Percheron and Belgian stallions for 1912 arrived February 7 in good condition, and comprises some of the best stallions to be found on the market this season. I am making prices so conservative that any locality, where a stallion is needed, can afford to buy one and not miss raising colts this season. I have

BUSINESS CHANCES.

HAZELTON
THE NEW CITY
IN A NEW COUNTRY
ON A NEW RAILROAD.
offers you the same ground floor opportunities as Seattle, Vancouver and Winnipeg of twenty years ago. Hazelton is located at the head of steamer navigation on the Skeena River in Central British Columbia, Canada's Garden Province. It is on the Main Line of the Grand Trunk Pacific, the New Transcontinental Railroad, the tracks being but twelve miles away. Glorious invigorating climate, mild summers, mild winters; at junction of three valleys with half a million acres of fertile land adapted for fruit raising, stock, grains and mixed farming. Tributary to one of the most mineralized districts in the world. Gold, copper and an area of anthracite coal equal to that of Pennsylvania. Now has two newspapers, banks, hotels and doing over a half million dollars worth of business annually. It is the entering city of Central British Columbia, the "Last Great West." Crowds arriving, buildings going up. Centrally located lots from \$200 to \$400; terms as low as \$20 down and \$10 per month. Liberal contracts; free deed in event of death; extension on account of sickness. Send name and address for free illustrated booklet and maps giving complete details. Plant a few dollars in the coming city of Western Canada. It will be safe and grow fast. Thousands have made fortunes by investing in great cities during their early stages. Hazelton is destined to be one of the mighty cities of the Mighty West. Get in now before the railroad—before the prices soar. Old responsible firm. Representatives wanted everywhere.

CANADIAN NATIONAL INVESTORS,
LIMITED.
310 M. B. Hastings St. West, Vancouver,
B. C., Canada.
Capital \$100,000. Assets over \$300,000.

55 stallions altogether, weighing from 1,800 to 2,300 pounds each, actual weights on the scales. My first importation of Percheron mares for 1912 arrived February 23 in good condition and I feel that they should be a temptation to all Percheron admirers. They possess superior individuality, size and finish. They are the large, wide, roomy kind, that is the ideal type of brood mare. Any one wanting stallions or mares should not fail to look over my offering before buying. I am also having a splendid sale on jacks this season, sales of jacks and stallions running almost even for the month of February, being 18 head of each breed."—Write W. L. De Clow, Cedar Rapids, Ia., and mention Farmers Mail and Breeze.

Editorial News Notes.

The Leahy Manufacturing Co. is offering special discounts on early orders sent them now for bee supplies. Send for catalog and price list. Address 71 Talmage St., Higginsville, Mo. See ad on page 39.

The great success attained by Gopher Death, now sold in 30 states and foreign countries, is because it is made of a delicate, palatable morsel that prairie dogs, pocket gophers and ground squirrels love like children love candy. They eat it. It kills. Booklet free. Address Fort Dodge Chemical Co., Fort Dodge, Ia., mentioning this paper.

Garden lovers are nearly all interested in tomato culture, as the tomato is undoubtedly the most popular vegetable in America, and is almost universally grown because it only requires a few vines to produce sufficient for a family, and they grow so readily that the veriest amateur succeeds with them. Great

improvement in size, yield and flavor of the tomato is constantly being made by private growers and seed merchants. The Iowa Seed Company, of Des Moines, Iowa, have perfected a strain of extra large, smooth, solid and fine-flavored tomatoes, differing but little except in color. These they have named the Majestic, Red Majestic and Yellow Majestic, the first being purplish red, the second bright red and the third lemon yellow. They claim these sorts to be larger and finer than other varieties and they are offering seventeen prizes to their customers who produce the largest fruit of any of these sorts. They will mail a copy of their catalog and explanatory circular of their prize offer to any reader who will mention this paper. Address Iowa Seed Co., Dept. 78, Des Moines, Iowa.

Read the "Five Silo Propositions" of Mr. Keller J. Bell, manager of the Western Silo Company, on page 10. If you are planning to own a silo these five propositions will interest you. One of Mr. Bell's Champion silos will make money and save money for any progressive farmer. Write for free catalog. Address Keller J. Bell, Mgr., Western Silo Co., 155 11th St., Des Moines, Iowa.

Henry Field, the big seed and nurseryman of Shenandoah, Iowa, conducted a Garden Contest last year among his customers. It was a tremendous success and Mr. Field was so proud of its outcome in an unfavorable year that he put the results of the contest into a book which he calls a "Garden Contest Book, the Book of a Thousand Gardens." It is illustrated with pictures taken of gardens in the contest. It is surely an instructive, interesting book and it surely will result in increased demand for the famous Field seeds. Most gardens look

mighty good now when the ground is covered with snow, and the letters found in the book from contestants show that the gardens were profitable. Henry Field is one of the greatest men in his line of business in the country. He has built up an immense business by fair dealing. The Field seeds and nursery goods are good goods. Ask for the book and Mr. Field's catalog. Address Henry Field, Box 60, Shenandoah, Iowa.

A new almanac for 1912 has just been published by the Pittsburgh Steel Company, Pittsburgh, Pa. This is possibly the only almanac now being issued by a steel company and is unique in many features, one of which is a brightly written and most interesting series of articles describing the aspect of the heavens during the different months of the year. These articles appear on the calendar pages, where, also, astronomical calculations for five latitudes are given. This book is attractively printed in two colors throughout, profusely illustrated, and contains many items of useful information as well as interesting statistics entertainingly set forth, showing the industrial magnitude of "Pittsburgh the Powerful." Every user of wire or wire fencing is told in the almanac how to test the wire for himself before he buys, and the material and method of manufacture of all "Pittsburgh Perfect" brands of steel and wire products are fully described. The almanac is for free distribution, and to all of our readers who have not a copy in their homes, we suggest their writing to the Pittsburgh Steel Company, Pittsburgh, Pa., kindly mentioning Farmers Mail and Breeze.

Trial trip until June 1, 1912 for 10 cents, Mail and Breeze, Topeka, Kan.

Farming by Irrigation the Ideal Method

Farming by irrigation is neither an expedient nor an experiment. It is the ideal method. It is the most pleasant, the surest, the most profitable kind of farming. Under favorable conditions such as obtain at Highview Park it means water on the ground when you want it, where you want it and in the amount you want it. The water you want on the land is up to your judgment. On an irrigated tract there are no drouths and no floods, but plenty of sunshine, plenty of water, not too much nor too little.

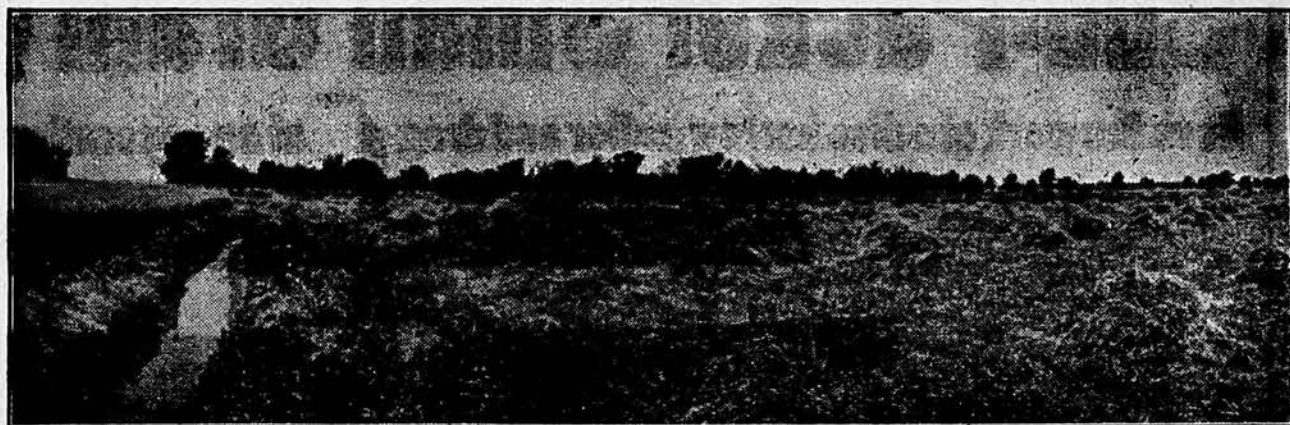
Are You Interested?

Of course you are interested. You have been reading our announcements in this paper for the past three months. You would like to have some of this land. Many readers of this paper have written us about it. Sales are already being made. But we haven't heard from you. We want to tell you more about the proposition than we can tell you in these advertisements. Won't you give us the opportunity to give you more complete information? Better, still, for you and for us would be a personal visit to our offices in Denver and to the Highview Tract almost adjoining Denver. This is a good time of year to look into the proposition more carefully now, just before spring and spring work open up.

It is good land to buy for an investment and still better to buy for your own use. Don't overlook the advantage offered by us in this remarkable tract. The climate that perfects and colors the fruit also kills the enemies of plant life and of man. Life is nowhere more worth living than in the cool, delightful, sunny atmosphere here near the mountains. Plants, fruits, animals, and men reach a higher degree of efficiency and well being here than almost anywhere else.

And Don't Forget Denver,

one of the finest, most promising cities in the country. It is not a city of promise merely. It is the largest city between Kansas City and San Francisco. It manufactures more products than Kansas City. Denver's factories have a pay roll of over a million dollars a month.



ALFALFA FIELD AND ORCHARD IN HIGHVIEW PARK TRACT.

Success Is Certain at Highview

You can make more than a living here. You can make a fine, pleasurable, comfortable living and you can make money beside. And you wouldn't guess the price. No, we are not asking \$300 to \$500 per acre. We can sell you 5, 10 or 20-acre tracts of smooth prairie land with water today for \$75 to \$125 per acre and on favorable terms.

Now Is The Time

Right now, at the opening of the spring season, is the time to look into this splendid proposition. Write at once for our literature, which tells all about it, and for terms. Better, still, get on the train, come to Denver, see us and the Highview Tract. If you come, you'll buy.

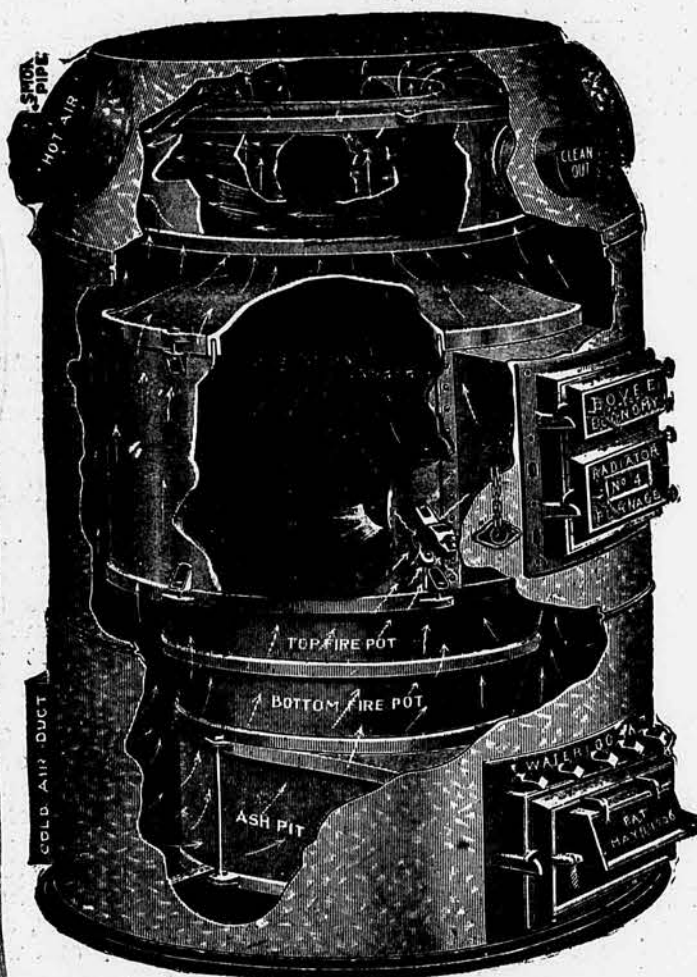
The Denver Suburban Homes and Water Company

620 Commonwealth Building, Denver, Colo.

JAMES BUTLER, Eastern Representative, 1230 Fillmore St., TOPEKA, KANSAS.

BOVEE FURNACES

AT MANUFACTURERS' PRICES



Will Save About One-Half of the Fuel and One-Half the Cost of Any First-Class Heating Plant That Can Be Installed.

Many Thousands of Bovee Economy Furnaces Sold

and not a single complaint of lack of Heating Capacity during all of the past severe winter. The Bovee Furnaces have the greatest heating capacity for the size of the firepot and Fuel Consumption of any furnace sold. Examine Carefully the construction and see for yourself why the Bovee Furnace requires less fuel than other furnaces; see the large size of the Combustion Chamber and long travel of the heat into and around the large Circulating Radiator, which has six complete heating surfaces that conserve the utmost amount of heat from fuel consumed. We make the radiating chambers of our furnaces as large as it is possible to do in comparison to the firebox or the fuel-consuming parts.

Specify and install Bovee Furnaces, and keep the profit in your own pocket. We ship everything cut to fit and ready to install, with directions so plain that you can't go wrong. Send for free catalog and get our 1912 special manufacturers' prices.

Anti-Friction Four Burr Mills



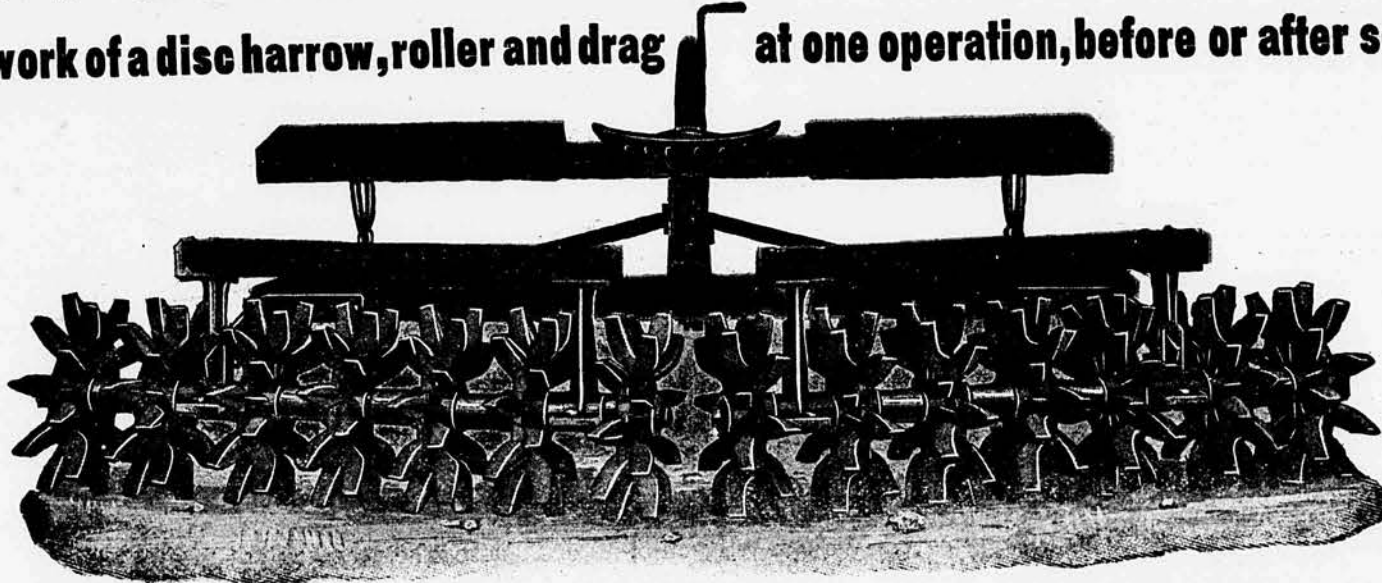
Double the Capacity of Geared Mills

Two-horse mill has 24-ft. grinding burrs (two sets), all grinding at once, and grinds from 25 to 50 BU. PER HOUR. Four-horse mill grinds from 60 to 80 BU. PER HOUR. Two complete mills in one; has double capacity and double the durability of other mills. ABSOLUTELY NO FRICTION OR GEARING. Will earn cost price in three days. We manufacture the most durable and fastest grinding line of mills sold, including our FAMOUS IOWA No. 2, for \$12.50. The largest ears of corn to these mills are like popcorn to other mills.

Send for Our FREE Catalog.

Sub-Packer Small Grain Cultivator

Does the work of a disc harrow, roller and drag at one operation, before or after seeding



In fall wheat will earn its cost in one day, when the roots are drying and the ground crusted. Cultivating small grain is worth as much as to cultivate corn. Conserves the moisture while there is moisture to conserve. Moves, packs and evens the soil with half the power required to do that class of work by other machines. The cultivating, packing and mulching is done by scientific mechanism instead of by the horses' shoulders, as in the old way. There is about the same difference as between the draft of a wagon and sled on bare ground. The Sub-Packer Small Grain Cultivator works on the plan of a disk harrow; each disk wheel having two rows or series of wedge-shaped teeth that move and firm the soil by being driven into it by the weight of the machine. The wedge-shaped teeth are sharpened on the front edge also, and they are driven through the soil from one to five inches, at the will of the operator. The auxiliary teeth fill the openings made in this way with a loose mulch; doing at one operation the work of the disk harrow, the sub-surface packer and common drag, at the rate of from 20 to 30 acres per day with four horses. All winter wheat, alfalfa and clover meadows should be worked as soon as the frost is out; also all fall plowing before the moisture evaporates, and to make practically a perfect seedbed. Send for free catalog.

BOVEE GRINDER & FURNACE WORKS, 488 Eighth St., Waterloo, Iowa