

NEBRASKA

KANSAS FARMER

OKLAHOMA

MISSOURI

LIBRARY OF THE UNIVERSITY OF MICHIGAN

Volume XLV. Number 6

TOPEKA, KANSAS, FEBRUARY 7, 1907

Established 1863. \$1 a Year



ION 23386

Owned by Watson, Woods Brothers and Kelley. This excellent animal will be sold in their great sale at Lincoln, Neb., February 26-27, 1907.

Principal Contents of This Week's Paper

American, the coming.....	176	Lincoln's self-control.....	178
Cistern water, hard.....	162	Lincoln the athlete.....	178
Club department.....	179	Lincoln, anecdote of.....	178
Concrete barn floor.....	162	Lincoln, the little boy.....	179
Corn-and-cob-meal for horses.....	174	Manure-spreader to be considered, points in a.....	169
Corn show on wheels, Kansas.....	162	Manure-spreader make a year, what will a.....	170
Cow, a world's record.....	180	Manure, care and use of.....	171
Eggs in straw-piles.....	182	Manures, use of.....	165
Fire, relations of landlord and tenant as affected by.....	162	Manure, value of liquid.....	164
Fruit in the Northwest.....	172	New Year's wise, a (poem).....	176
Fruit-tree contracts.....	162	Nursery stock can not be returned.....	163
Grandpa, my (poem).....	179	Poultry on the farm.....	182
Grass by the roadside.....	163	Rainsford sin, the.....	176
		Spare a few (poem).....	178

KANSAS FARMER.

Established in 1868.

Published every Thursday by
THE KANSAS FARMER COMPANY
(Incorporated, January 1906).
Topeka, Kansas

SUBSCRIPTION PRICE: \$1.00 A YEAR

Entered at the Topeka, Kansas, postoffice as second-class matter.

OFFICERS.

President.....E. B. COWGILL
Vice President and General Agent.....I. D. GRAHAM
Secretary and Manager.....H. A. HEATH
Treasurer.....JOHN R. MULVANE

E. B. COWGILL.....Managing Editor
I. D. GRAHAM.....Live Stock Editor
DR. C. L. BARNES.....Veterinary Editor
THOS. OWEN.....Poultry Editor
RUTH COWGILL.....Home Departments Editor

LIVE STOCK REPRESENTATIVES.

C. E. SHAFFER.....Northern Territory
L. K. LEWIS.....Southern Territory

SPECIAL AGENTS.

New York.
J. C. Bush.....1110 Potter Building
Boston.
W. H. Daggett.....1006 Paddock Building
Chicago.
F. W. Stillwell, manager, Fisher
Special Agency, 112 Dearborn St.
St. Louis.
B. A. Tharp.....710 Missouri Trust Building
Pacific Coast.
David R. McGinnis, 21 Peoples Savings
Bank Building, Seattle, Washington

ADVERTISING RATES.

Display advertising, 20 cents per line, agate (fourteen lines to the inch). Continuous orders, run of the paper, \$1.52 per inch per week.
Special reading notices, 30 cents per line.
Special rates for breeders of pure-bred stock.
Special Want Column advertisements, 10 cents per line of seven words, per week. Cash with the order. Electro must have metal base.
Objectionable advertisements or orders from unreliable advertisers, when such is known to be the case, will not be accepted at any price.
All new advertising orders intended for the current week should reach this office not later than Monday.
Change of copy for regular advertisement should reach this office not later than Saturday previous to publication.
Every advertiser will receive a copy of the paper free, during the publication of the advertisement.
Address all communications to
THE KANSAS FARMER CO.,
625 Jackson St., Topeka, Kansas

CONCRETE BARN FLOOR.

EDITOR KANSAS FARMER:—I am contemplating the erection of a barn and am desirous of knowing whether cement floors are practicable for horse stable. If so, what is the best preparation for a foundation for laying the cement? Am thinking of using crushed rock to the depth of several inches, on top of which the necessary depth of cement is to be placed. Full information along these lines by the editor or any one who has had experience will be gratefully received.

I would also like full information regarding the building of concrete bridges. Our township is considering the building of several bridges the coming season.

Harvey County. A. H. DART.

Concrete floors in horse stables are, by some, highly commended. Some think them cold. Others fear that they will not last under the feet of horses wearing shoes. To overcome these objections it has been suggested to lay two-inch planks over the concrete. If these are broad and fit well they will not need fastening and can be cheaply replaced when worn.

Concrete floors have several advantages. They do not rot. They are discouraging to rats. They make it possible to save the liquid manure. The materials of which to make them costs less than does the lumber for a plank floor with the necessary joists.

There are few better foundations for concrete floors than that furnished by well tamped clay. Broken stone, as suggested, will be good, but in localities where the stone is expensive it may be omitted. The essential feature of the foundation is solidity. It is also important that water be prevented from gathering and freezing under the floor.

The floor for horses should be not less than four inches thick. Five inches will be better. At a distance of two or three feet from one end of the space to be floored place a four-inch scantling on edge—if the floor is to be four inches thick, wider if the floor is to be thicker—and secure it in position by driving stakes. If the enclosed space is very long, cut off a suitable length by a cross division.

In preparing concrete some care is

needed. The materials may be in the following proportions:

Portland cement, one part;
Sand, clean, three parts;
Broken stone, clean, seven parts.

These are the proportions used in the great wall at Galveston.

The cement and sand should be thoroughly mixed while dry. This is usually done by placing three parts of sand on a tight board platform and scattering one part of cement over the sand. The mass is then shoveled over or worked over with hoes until the appearance shows the materials to be evenly incorporated. The color of the mixture is almost that of the cement. The mixture may then be wet and mixed with the seven measures of broken stone by shoveling as before.

Shovel the concrete mixture into the enclosed space above described. See that it is wet enough to pack easily and without openings. It should not be so wet as to splash badly under the tamper.

Now prepare a mortar, using one part cement and two parts sifted sand, and finish the section of floor just made by trowling a coat of this mortar over the surface.

The scantling or joist can be removed as soon as the concrete has set, and staked down, inclosing another section.

The materials must be used very soon after the addition of water. Cement begins to set very soon. It makes a stronger and more durable job if the setting in allowed to proceed undisturbed.

Gutters, feed-troughs, water-tanks, and even mangers are sometimes made of concrete. It is better to reinforce troughs and mangers with rods of steel or iron in the concrete.

Concrete bridges are excellent, durable, and easily constructed. The plan and method of construction necessarily varies with the size of bridge, and the local conditions. A very good discussion of "Concrete Culverts" appeared in the "Good Roads" Magazine, 15 Nassau Street, New York. A copy of this can be had by addressing the publishers and enclosing 10 cents. Lack of space forbids extensive treatment of the subject at this time in THE KANSAS FARMER.

RELATIONS OF LANDLORD AND TENANT AS AFFECTED BY FIRE.

EDITOR KANSAS FARMER:—I have been reading THE KANSAS FARMER for some time and have been much interested in the questions and answers it contains each week. I would like to have the following questions answered through the columns of your paper. They may be of interest to others also:

A rents a farm with all its improvements, for a period of three years, for a certain sum of money, from B. The improvements are described as above and not in particular. Near the close of the first year the house and smoke-house burn down—no reason being known for their catching fire. (1) Does the burning of the buildings annul the lease? (2) Can A require B to replace the burned buildings with others? (3) Can A compel B to deduct the amount of rent for the burned buildings from the total or stated amount of rent? (4) Can A require B to pay rent for another dwelling house while A farms B's place?

W. H. HORRELL.

Douglas County.

The statutes of Kansas are silent on the questions asked by this correspondent. Under the common law of England, the destruction of any buildings by fire in the manner described does not affect the lease in any way.

This common law has a somewhat limited application in Kansas, as provided in section 8746 of the General Statutes, as follows:

"The common law, as modified by constitutional and statutory law, judicial decisions, and the conditions and wants of the people, shall remain in force in aid of the general statutes of this State; but the rule of the common law, that statutes in derogation thereof shall be strictly construed, and shall not be applicable to any general statute of this State, but all such

statutes shall be liberally construed to promote their object."

The reports of decisions of the Kansas Supreme Court contain but one case like that above stated. This is the case of Whitaker vs. Hawley, 25 K. 674, which was discussed at length by Justice Brewer in 1881—Mr. Brewer was many years ago promoted to the U. S. Supreme Court. Our correspondent and others interested should find the twenty-fifth volume of Kansas Reports in the office of any prominent attorney. It may be observed that Judge Brewer leaves some of this correspondent's questions without a definite answer. The tendency of his opinion is, however, to consider the common-law doctrine as less applicable to modern conditions in Kansas than to conditions which pertained in England at the formation of the common law.

It is doubtless safe to say in reply to questions one and two that the Kansas courts would probably hold (1) that the lease was not annulled on account of the destruction of the residence and the smoke-house by accidental fire, and (2) that A can not be required to replace the buildings. Thus far the doctrines of the common law are likely to be held applicable in Kansas, as a general proposition. It is not inconceivable, however, that the Kansas court might by this time so far depart from the ancient view as to inquire in a case before it, whether the use of the buildings was not of the essence of the contract without which the tenant would be unable to make use of the land, and that unless the necessary buildings were replaced the tenant should be released from his obligation to use the land and to pay the rent. But if the tenant desires to continue to hold the land, even in the absence of the buildings, he doubtless has the right to do so.

The third question is one that is not answered directly by Judge Brewer's discussion. He experienced great difficulty in getting away from the old doctrine of the paramount rights of the owner of the land. The case from twenty-fifth Kansas Reports was much after this sort. The landlord had sued for full rent after the fire. The lower court had decided in favor of the tenant. The landlord appealed. Judge Brewer upheld the lower court's decision and gave the defendant judgment for costs. The meaning of this probably is that after the destruction of a part of the rental value of the property without the fault of either party, a readjustment of the rent ought to be made in accordance with the changed conditions.

In answer to the fourth question, it may be said that the tenant probably can not require the landlord to pay rent for another dwelling.

Having in view the equities of the situation, the landlord and tenant ought easily to agree upon the course to be pursued. They may with advantage reconstruct and continue their contract and remain together. If each will imagine himself in the other's place and view the case carefully, act with a Christian spirit, and try hard to do right, there should be no need of the assistance of court or lawyers in arranging a case like this.

HARD CISTERN WATER.

EDITOR KANSAS FARMER:—As my husband is an old subscriber, I am going to bother you with a question which I would like very much to have answered in THE KANSAS FARMER.

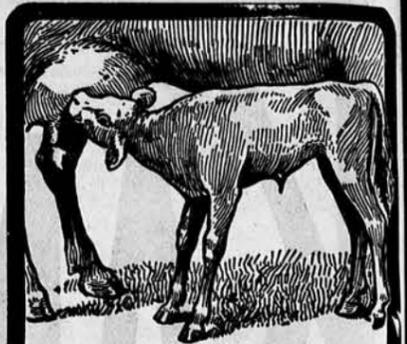
Why is my cistern water so hard? I can not break it with concentrated lye so as to make it fit for washing. It is first hard and then after a few weeks becomes soft, but changes to hard again. There is no cause that we know of. Even after a heavy rain, when one would think so much new soft water would make the water in the cistern soft, it is so hard we can not use it.

OLD SUBSCRIBER.

Anderson County.

Perhaps Old Subscribers' cistern is a comparatively new one and the rains spoken of cause the water to cover portions of the wall not previously used. Considerable gypsum is em-

TO CURE A COLD IN ONE DAY
Take LAXATIVE BROMO Quinine Tablets
Druggists refund money if it fails to cure. E. W. GROVE'S signature is on each box. 25c.



STOCK INSURANCE.

Dr. Hess Stock Food insures a healthy condition of both dam and offspring; it also counteracts the danger of over-feeding. Think of the vitality given off in milking and the strain on the system due to calving. Then you can form some idea of the necessity for tonics. Stock fed for market are also over-fed continually and need something to assist digestion. Professors Winslow, Quitman, Finlay Dun, and all noted authorities, recommend bitter tonics for improving digestion—iron for the blood, nitrates for assisting nature in throwing off poisonous waste material from the system. Such ingredients are incorporated in

DR HESS STOCK FOOD

The Prescription of Dr. Hess (M.D., D.V.S.), and besides it is

Sold on a Written Guarantee.

100 lbs., \$5.00 } Except in Canada
25 lb. Pail, \$1.60 } and extreme
Smaller quantities at a } West and South
slight advance.

Where Dr. Hess Stock Food differs in particular is in the dose—it's small and fed but twice a day, which proves it has the most digestive strength to the pound. Our Government recognizes Dr. Hess Stock Food as a medicinal tonic and this paper is back of the guarantee. If your dealer cannot supply you, we will.

DR. HESS & CLARK, Ashland, Ohio
Also Manufacturers of Dr. Hess Poultry Panacea and Instant Louse Killer.

ployed in making the cement with which cisterns are plastered. Gypsum makes water so hard you can not break it. Every new cistern gives trouble on account of making the water hard. After the cistern has been full of water for a considerable time and is then emptied, the rain-water that is put into it should be soft.

KANSAS CORN SHOW ON WHEELS.

The several counties visited by the State Corn Show, which has just completed a trip over the Missouri Pacific in Kansas, had in 1906 an aggregate corn acreage of 924,649 acres. If this trip with its lectures and exhibits can result in adding one bushel to the average yield in the counties visited, it will mean practically 1,000,000 bushels increase in the corn yield in the eleven counties.

In twelve days, fifteen towns were visited, 8,675 people passed through the car, and 3,940 attended the lectures on corn-breeding. In most places the meetings were held under the auspices of the local farmers' institute, and elsewhere organizations were perfected. Everywhere new enthusiasm was created for better corn and more to the acre, and for boys' and girls' contests in corn-raising and other work. The Missouri Pacific Railway Company and the Kansas Agricultural College have since October, 1905, worked together for nine weeks, covering practically every mile of the company's territory in Kansas.

FRUIT-TREE CONTRACT.

EDITOR KANSAS FARMER:—Please answer the following through the columns of THE KANSAS FARMER:

I ordered a bill of fruit-trees from an agent in December, 1906, to be delivered in the spring of 1907. I signed a contract for same. One clause in the contract says that if the order is countermanded I am to pay 60 per cent of the bill. I have since learned that I was charged an exorbitant price for these trees and countermanded the order. Can the firm compel me to take the trees or pay the 60 per cent of the bill?

A. SUBSCRIBER.

Mitchell County.

It is surprising how many smart people are caught by signing "jug-handle" contracts like that described by "A Subscriber." The easiest as well as

the most manly way to get out of such a contract is to pay out. Then and ever after the victim should make it a rule to be governed by his own persuasion in entering into a contract. Know that you are contracting for your property at a reasonable price and with parties who will live up to their contracts. Find out these things before signing.

THE GRASS BY THE ROADSIDE.

EDITOR KANSAS FARMER:—In the issue of January 10, under the discussion of the road law, you quote Chief Justice Johnson, who quotes from a former Supreme Court decision in the case Shawnee County vs. Beckwith, 10 K. 604, as to the rights of the owner of the land to the road, or that part of it that is not used as a highway by the public, and again Angell on highways C 7, sections 301-312.

Does it mean that the landowner has a right to keep people from driving on his grass and cutting up the ground when it is soft, thereby spoiling the grass and marring the beauty of the landscape when it is not necessary? This is being done when the track is muddy, but at the same time is in far better shape than most of the roads.

It is claimed that any one driving on this grass is a trespasser, the same as if he drove over the farm, for the side that is kept in grass and mown, as the law requires, is not needed as a highway.

What we want to know is, is there a law, or does the one referred to fill the bill, under which a man can protect his property and his labors that the law requires him to perform? Crawford County. X. X.

It should be observed that in the face of the sound reasoning and the eminent authorities cited by Chief Justice Johnston in the opinion referred to by our correspondent, the majority of the Kansas Supreme Court overruled the Chief Justice and decided for the more restricted rights of the owner of the land. The tendency of recent decisions is strongly in the direction of great privileges in common and limited rights of the freeholder.

The strip of land taken for a highway is primarily dedicated to public use in passing from place to place. The public right extends to use of so much of this strip as its necessities or convenience may require for purposes of passing with teams or otherwise, and for the transportation of commodities. But who shall decide as to how much of such highway is needed? Such decision is usually left to the judgment of the user. It is an open question whether in the case stated the courts would not hold that the user of the road is the sole judge of the question as to what part of the dedicated strip he should drive over.

Good taste on the part of the user should prompt him to even be at some inconvenience to cooperate with the adjacent owner in every effort to beautify the roadside. Certainly when there is a fairly good roadway that may be used without thus marring the work of a neighbor, the user should exercise great care to avoid damaging the grassy wayside. But THE KANSAS FARMER would not advise its correspondent to go to law about the bad manners complained of.

NURSERY STOCK CAN NOT BE RETURNED.

EDITOR KANSAS FARMER:—I ordered some nursery stock some time ago from a firm in Nebraska. Their bill reads no countermand will be accepted. I do not want the goods. Please advise me what I can do. Mitchell County. J. C. S.

Better stick to your bargain. You have signed away all right to go back on it.

It was sincerely hoped that this session of Congress would see the end of the free-seed foolishness, but the outlook just now is that the House will once more override the committee on agricultural department, and reinstate the usual clause appropriating \$240,000 to help poor, distressed Congressmen in their campaign work. No appropriation ever made by Congress has met with such universal condemna-

tion as this for free seed, yet a majority in the House clings to it with a tenacity that is actually surprising. Nobody wants the seed, but few ever try to use it when they receive it; not a voice outside of Congress has been raised in defense of the distribution, but press and organizations of farmers and commercial bodies have joined in denouncing it, and in this have been joined with the professors of nearly all of the agricultural colleges and experiment stations. In the face of all this the prospect is that Congress will renew the graft.

A paragraph in last week's KANSAS FARMER which spoke kindly of "A Bill Concerning Auctioneers" has brought to this office a vigorous protest from L. S. Ruggles, of Beverly, Kans. This bill was prepared under the direction of the Kansas Auctioneers' Association. If the members of this body have asked that unnecessary burdens be imposed upon themselves, they ought to be reasoned with and shown the error of their ways. Were not the columns of THE KANSAS FARMER crowded to such an extent that much valuable material already in type will have to be left out, we would print Mr. Ruggles' letter. His statement that his sales last year averaged him \$15 a day ought to make it clear that a reasonable annual fee can not bear very oppressively upon the "Saline Valley Auctioneers." The editor hopes that the auctioneers will get together and decide what legislation if any is wanted. The employers of auctioneers have as yet given no public expression to their views.

BLOCKS OF TWO.

Every opportunity to do a favor to a friend or neighbor should be improved. The subscription price of THE KANSAS FARMER is \$1 per year. It is worth the money. But the publishers are extending the circulation rapidly by means of their blocks of two proposition. It is this:

Every old subscriber on sending his dollar for renewal is authorized to send the name and address of some one not now taking THE KANSAS FARMER and the dollar will pay for both subscriptions for one year. Address, The Kansas Farmer Company, Topeka, Kans.

It is always a joy to attend the Berryton Farmers' Institute. The people are alive to every subject presented, and they give such attention to the speaker as helps him to do his best. The 1907 meeting occurred last Thursday and Friday. Lack of room makes detailed mention impossible here. The most remarkable feature was the apparently universally cordial reception accorded to the address of Hon. Carr Taylor on "Our Railroads." The positions taken were as advanced as those for which the Populists were denounced a decade and a half ago. If the attitude of the prosperous and well-groomed farmers about Berryton is at all general throughout Kansas, Carr Taylor will need only to make a canvass of the State to become a most formidable candidate for the office of Governor next year on a platform of his own making.

THE KANSAS FARMER is in receipt of letters from the following persons, enclosing remittances but failing to give their post-office addresses. We should be glad to have these persons write again and give addresses as suggested, in order that proper credit may be given: D. G. Donovan, G. W. Fairchild, M. M. Gallagher, E. L. Hendricks, E. Hixon, Geo. Hussey, T. A. Jennings, F. R. Johnson, C. A. Orr, Wm. Plumb, C. W. Slater, Jacob Sunderland, Chas. K. Young.

The February meeting of the Shawnee County Teachers' Association was addressed by Director C. W. Burkett, of the Kansas Experiment Station. Dr. Burkett's remarks abounded in valuable suggestions that were appreciated by the teachers and will doubtless lead to better realization of the educational value of the acquisition of knowledge of the greatest industry of the world.

This number of THE KANSAS FARMER contains several valuable articles on the fertility of the soil.

Good Cows at \$15



Almost any man will pay that much for a first-class cow. Thousands of men have the cows but are losing \$15 on each one because of faulty dairy methods. Government and State Experiment Station reports show that if the milk from every cow in the country was passed through a first-class separator the saving to the cow owners of the United States would amount to \$200,000,000. It looks big but it's a fact. It means just \$15 loss on each average cow by the employment of milk pans, cans and other gravity processes of securing the cream. Your cows may be helping to swell this mighty fund. You can stop your part of the loss by the use of our

Great Western Cream Separator

Our catalogue tells all about this latest improved and most thoroughly up-to-date machine on the market, embodying everything which is best, such as a Perfect Skimming, Self-draining, and Self-washing Bowl, Low-down Supply Can, High Crank, Ball Bearings—hence the easiest running separator made; a machine with shafts that never wear out. Bearings that can be easily and cheaply replaced; a machine with all its gears running in a spray of oil. It fully illustrates and describes a machine that is always ready for service, and will last as many years as you continue in the Dairy Farming Business. This book illustrates and describes all the essential parts of the machine; it tells of what each piece is made and why. You will get more genuine information reading this book about separators than from any other source. You will get so thoroughly posted that no one can sell you a poor machine and get your good money. You want the very best and will find the GREAT WESTERN to meet every demand.

Our catalogue tells you all about milk, its composition, how and why the cream separates, how and why the milk sours, the changes that take place, why the cream does not separate by gravity when souring begins, why the sour milk is of so little value for feeding purposes, how much cream is lost by all the old methods of milk separation, i. e., the shallow pans, deep setting cans, dilution separators, etc. It explains how the GREAT WESTERN SEPARATOR saves all this cream, making a profit of 12 to 15 dollars for each cow you milk; it tells you of the best methods for raising calves and about the most prominent breeds of cattle; it tells what thousands of men have been trying for hundreds of years to accomplish and how we have succeeded; it tells you how to make your cows keep you instead of you keeping the cows.

If you are milking two or more cows, write us at once as follows:

"I am keeping cows. Send me your Book No. 5078 of the Great Western Cream Separator." It is free. Ask for it today. Don't buy a separator of any kind or milk again until you send for our catalogue. Address **Smith Manufacturing Co., 159-164 EAST HARRISON ST., Chicago, Ill.**

Readers will be pleased to know that other discussions of this important subject will receive further attention from time to time during the year.

Several communications and as many inquiries have gone to the editor's waste-basket recently for no other reason than that they were not signed. If yours is among the number, you can mend the matter only by writing again and signing your name.

New Advertisers.

- O. H. Longwell, Highland Park College.
- Geo. Siders, four big jacks.
- Miss Fanny Pemberton, Topeka residence.
- W. L. Bates, White Rock eggs.
- A. L. Scott, R. I. Reds.
- Mrs. E. M. Cooper, goose eggs.
- Perrine Plow Works, for the land's sake.
- Bank of Topeka, statement.
- John W. Jones, Duroc-Jersey sale.
- John Joiner, Duroc-Jersey sale.
- C. W. Taylor, Duroc-Jersey sale.
- Agricultural Remedy Co., scours.
- F. J. Scherman, herd-boar.
- A. L. Sponsler, joint sale.
- J. T. Bayer, Shorthorns.
- T. Lee Adams, seeds.
- Otto Young, farm and bulls for sale.
- National Lead Co., white paint.
- Marshall Oil Co., stock remedies.
- Gardner Nursery, trees.
- D. Hill, evergreens.
- Dietrich & Spaulding, public sale.
- James Vick's Sons, seeds.
- People's Supply Co., sample separator.
- Loose-Wiles Cracker & Candy Co., next time, etc.
- Kelly & Tannehill, well-drills.
- Northrup, King & Co., seeds.
- J. S. Crawford, agt., free homesteads.
- Geo. F. Hammond, Duroc-Jersey sale.
- Mrs. Wesser-Davis, Buff Orpingtons.
- John Lichte, Light Brahmas.
- C. C. Lindemood, Barred Rocks.
- J. Ditch, Galva Poultry Yards.
- E. D. Norris, Poland-China sale.
- G. Z. Price, jacks and Shetlands.
- Kansas City Hay Press Co., scales.
- A. C. Anderson, seeds.
- Elkhart Carriage & Harness Mfg. Advance Fence Co., examine carefully.
- Manson-Campbell Co., Chatham Incubator and Fanning Mill.
- O. L. Chase, paint man.
- Wm. Galloway Co., manure-spreader.
- Witte Iron Works, gas-engine.
- Haux Spectral Co., free.
- W. F. Finney, jacks.
- W. C. Watt, White Leghorns.
- Moon Land Co., bargains.
- J. H. Brown, White Wyandottes.
- E. Hayes, poultry.
- F. A. Dawley, Poland-China sale.
- A. Oberndorf, White Leghorns.
- John Wiswell, combination sale.

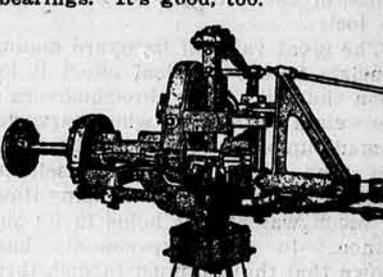
A Book About the Silo.

"Modern Silage Methods" is the title of an excellent book of 200 pages. It discusses the points of interest concerning silos and silage. An instructor in one of the agricultural colleges says this is one of the best books he has seen and he intends using it as a text in his lecture room. The book is well indexed and is an authority on the subject. If you are interested write to the Silver Manufacturing Company, Salem, Ohio. If you say you saw their address in THE KANSAS FARMER they will send you a copy free.

PILES CURED IN 6 TO 14 DAYS. PAZO OINTMENT is guaranteed to cure any case of Itching, Blind, Bleeding or Protruding Piles in 6 to 14 days or money refunded. 50c.

THE BRAINS of the Windmill

That's what the windmill head is to the windmill—"the brains;" and that's why we make it so good. It is compact, strong, down close to the work, and has but few wearing parts. See that outer bearing for wheel shaft, you know that's good. Note the Center lift crank with Double bearings. It's good; too.



The Bearings are interchangeable throughout. They can be easily and quickly changed, too.

Large Oil Boxes, Stroke Easy to Change.

and the best of all are the

Roller Rim Gears.

They stop the noise and lesson the wear. Are the best of everything in windmills. And all other parts are as good as the Head. See nearest agent or write

Dempster Mill Mfg. Co

Factory: Beatrice, Neb.

Branch Houses:
 Kansas City, Mo.
 Omaha, Nebr.
 Sioux Falls, S. D.

Mention Dept. B when you write.



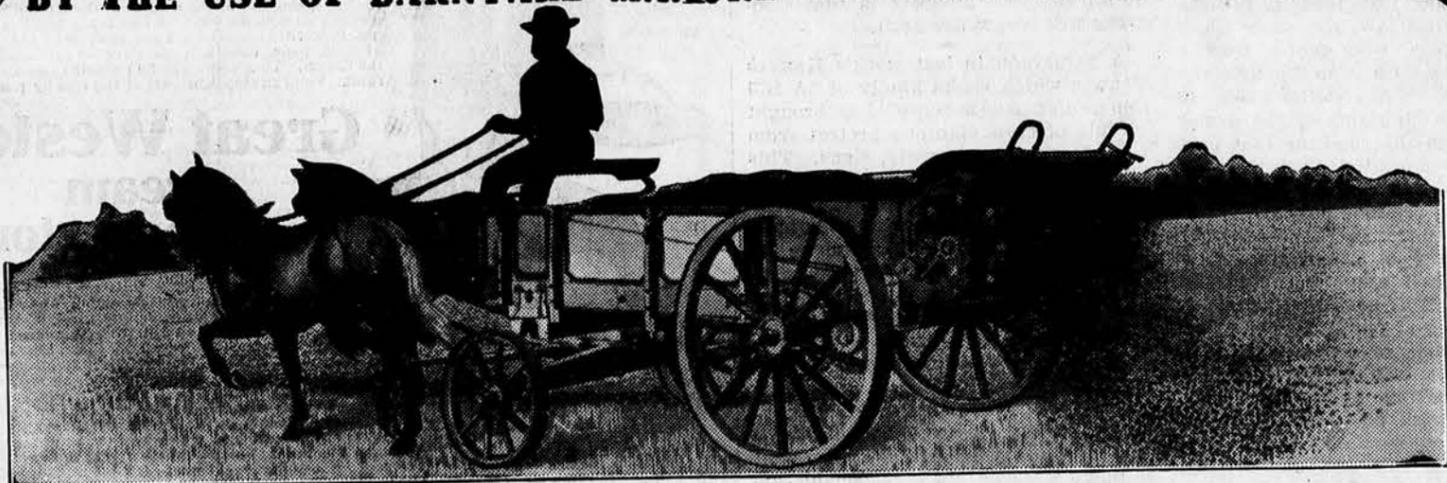
The World's Fair Prize Winning Corn. Just WON FIRST PREMIUM at the Corn Breeders' State Show at Manhattan. Heaviest yield 113 1-16 bu. per acre. A grand lot of the 4 best corn's grown to-day. Sample and Catalog tells how to raise corn every year FREE.

JOHN D. ZILLER, Hiawatha, Kans.
HE RAISES CORN.

For the Land's Sake Use
 Perrine's Subsoil Plow
 Perrine Plow Works, Topeka, Kans.

INCREASE THE FERTILITY IN THE GREAT WESTERN TERRITORY

BY THE USE OF BARNYARD MANURE AND THE MANURE SPREADER



The Application of Barnyard Manure.
P. D. SMITH, DEAN AND DIRECTOR MICHIGAN EXPERIMENT STATION.

Every farmer knows, or ought to know, that if barnyard manure had no value other than that due to nitrogen, phosphoric acid and potash which it contains, it would scarcely pay for the trouble of handling it, hauling it to the field, and spreading. Just think, a chemist could find in a ton of fresh barnyard manure but the value of \$1.39, the nitrogen being worth 45 cents, the phosphoric acid 42 cents, and the potash 52 cents. At this rate it would be cheaper and easier to get the plant-food in a commercial fertilizer because you would then know exactly what you were getting and the plant-food would become immediately available, whereas when barnyard manure is applied to the soil it must decay before the plants can utilize its constituents. In this decay no small share of the nitrogen at least might be lost.

The great value of barnyard manure consists in the physical effect it has upon the soil. Over three-quarters of the weight of the crop when harvested is made up of water and besides, when the crop is growing, it dissipates through its leaves many as many times as much water as it holds in its substance. In fact, experiments have shown that the soil must furnish three hundred tons of water, to the crop for every ton of dry matter removed in the harvest. Water, therefore, is the material most needed by the crop. This water must be all absorbed through the roots, taken from the water in the soil. The water-holding contents of the soil is therefore of prime importance. Now the water-holding contents of the soil depends on two factors at least; one the size of the soil particles, the other the quantity of humus and decaying organic matter present. Dr. Kedzie showed that the addition to sand of one-twentieth of its bulk of dry, finely pulverized muck nearly doubled the amount of water which the sand would hold against gravity. Where barnyard manure is applied to a soil, therefore, it makes the latter spongy and able to hold much more water. Where to one-half of a certain field but eight tons of fresh barnyard manure was applied per acre, while to the other half nothing was applied except an equal amount of plant-food in the form of commercial fertilizers, the first half of the field withstood a drouth and produced a full crop of potatoes. On the second half the crop was but little more than half of a full yield because of the limitation brought about by the lack of water in part of the growing season. You see that it was not a question of the supply of plant-food but of plant-drink, and that the plant-drink was kept ready for the potato-roots by the decaying manure in the

soil. This leads to certain obvious conclusions.

NECESSITY OF QUICKLY APPLYING MANURE.

In the first place the sooner the manure can be gotten into the soil the better, because of the more organic matter it will contain. The rotting of manure means a waste of organic matter. The chemist will say that the loss falls chiefly upon the carbon. Granted, but the carbon and its compounds are needed in the soil for the production of humus, for that slow decay which has to do with the water-holding content of the soil and makes profitable crops possible. Next the very act of decay in the soil is useful in ways that we can not understand much less describe. The decay of organic matter is the work of bacteria, and the presence of these organisms in the soil seems to favor the growth of crops if the carbonic acid gas set free by them is not directly helpful to the plant in securing its food.

Besides this, remember that manure loses a good deal of plant-food when allowed to decay outside of the soil. The venerable Dr. Roberts while at the Cornell University found that 4,000 pounds of manure had decreased in weight to 1,730 pounds. 60 per cent of the nitrogen had escaped into the air, three-quarters of the potash had been washed away by the rain, and practically half of the phosphoric acid had gone the same way. The corpse remained, while the spirit had taken its flight. So when five tons of cow manure were similarly exposed, but in a compact pile narrow at the top and wide at the bottom and well packed with 300 pounds of gypsum mixed with it to save the nitrogen. 41 per cent of that valuable constituent had gone into the air, and one-fifth of the phosphoric acid was washed out by the rains, notwithstanding the compactness and pyramidal shape of the pile. The gross weight had decreased from 10,000 pounds to 5,125 pounds. Some one says that he had saved the hauling of the 5,000 pounds of useless matter to the fields. Not so. This loss in weight meant the disappearance of the very organic matter needed to maintain the water-holding capacity of the soil. Every consideration points to the application of the manure as soon as pitched out of the stable.

No dairyman finds the proximity of the manure-pile a help to the quality of the milk. As far as the cows are concerned the sooner the manure is removed and the farther, the better.

No one claims that manure can be hauled to the field at all times of the year and under all conditions of the weather. The effort should be made to have the proper place for the manure in readiness for it during the winter when the bulk of manure is made in the stable. The fall and spring supplies may have to be housed in some suitable place protected from the

rain, there to await the proper opportunity for hauling to the field. It is aside from the purpose of this article to discuss the characteristics of such receptacles.

IDEAL GROUND FOR SPREADING MANURE.

A clover sod to be planted to corn in the spring in an ideal place for spreading manure. A timothy sod or indeed a field in any condition, to be planted to such gross feeders as corn or potatoes, is the proper place for spreading the manure during the winter, the earlier in the winter the better. Some experiments conducted at the Michigan Station, a good many years ago, demonstrated that there was little loss of plant-food from manure spread on snow a foot deep on both level and hilly ground, the hills, of course, not too steep. Where the manure was put on an icy side hill there was considerable loss. The yellowing brown water flowing over the surface from this rather heavily manured field indicated a somewhat serious loss, but the chemist found that this loss was more apparent than real. So great is the avidity of the land for plant-food that where water containing it flows over a hand's breadth of exposed soil, this plant-food seems to be absorbed. Just how far this absorption takes place has not been fully demonstrated.

Certainly for corn and potatoes, if not for other crops, the manure should be plowed under, since this method mixes it most thoroughly with the soil and gets it into the position where its decay will do the most good. Top-dressing means manure rotted in the compost heap. This is all right for garden vegetables where the cost of the manure cuts little figure in proportion to the value of the crop. For the average farmer, if there be such a man, the safer plan is to plow under all the manure possible, not too deep of course, but to get it under the soil to decay there.

MANNER OF APPLYING MANURE.

Again, some ambitious people would think it wise to apply 20, 30, or 40 tons of barnyard manure to the acre on a small part of their farm and let the rest go bare. This is a mistaken idea from start to finish. If the quantity of manure is limited, spread it over more ground and put on but 10 or at most 12 tons to the acre. Larger quantities supply excessive amounts of the plant-food for ordinary crops. Better manure the ground oftener and less heavily.

In agriculture "new occasions bring new duties, time makes ancient good uncouth." The requirement to spread the manure thinly implies something impossible a generation ago; namely, that it shall be spread evenly. Experiments to-day are wanting to exhibit the losses accruing from throwing the manure at the land in chunks. If manure is hauled out in the dead of winter and scattered from a sleigh box, it is sure to be left in large fufuls scattered unevenly. It is impos-

sible to get manure, so applied, properly worked into the ground to insure the mixing of the decaying organic matter with the soil. Remember that if the decaying manure is not mixed with the earth while its content of plant-food will be absorbed, it can not exert its beneficial effect on the physical character of the soil. A man of experience is tempted to say that one load of manure spread with perfect evenness is about as valuable as two loads on the same area spread in chunks and heaps. This phase of the question can not easily be exaggerated. Until the manure becomes an unrecognizable constituent of the soil itself, it has not accomplished its mission. It must be digested into the soil, and this is possible alone when it is evenly and uniformly spread.

The laws of nature are fixed. It seems to be nature's round that the function of the soil shall be to produce plants to be fed to animals to return the manure to the soil. Farmers sometimes think that they can evade this law by making the soil produce plants to sell as plants. A farm kept with this idea dominant for one generation becomes a problem for the next. The plant-food is not exhausted, the small crops are due, not to a lack of nitrogen possibly or phosphoric acid or potash, but to a lack of physical condition brought about by the absence of manure. For this reason every wise teacher urges the keeping of more and more live stock, the making of more and more manure, that future generations may find the United States not an almost barren desert like some parts of Spain where live stock has not been kept, but may find it like England, Holland, or Belgium where the ubiquitous cow or sheep has made the country more and more fertile as generations of wise farmers have succeeded each other.

Value of Liquid Manure.

CHARLES VERNON.

In bulletin No. 108 of the Vermont Agricultural Experimental Station it is stated that the plant-food value of manure, including the solid and liquid, on a farm stocked with 20 cows, 4 horses, 50 sheep, and 10 pigs would approximate \$600.00 per year, and that approximately one-half of this would be liquid manure; or in other words, the value of the liquid manure would be about \$300.00.

As to the relative values of the solid and liquid excreta, this varies with the different animals, but the average value of liquid manure is \$7.00 to \$8.00 per ton. This is the value in plant-food found by chemical analysis, but there are other values, such as the action of liquid manure on soil, which makes the value infinitely more than \$8.00 per ton.

Probably few farmers have been aware that liquid manure has so much value. They have always made more

or less use of the solid manure, but the liquid has gone to waste.

Now stop and do a little figuring and see how many tons you have allowed to go to waste in the last few years, placing the value of same at \$8.00 per ton, and you will be astonished at the amount.

The question now is how to save and make use of this liquid manure; many arrange drains under the stalls and pens where their stock is kept and drain the liquid into cisterns or other receptacles.

This is perhaps more of an expense than the ordinary farmer would be willing to assume, although he can easily afford this expense. If you deem this a greater expense than you wish to undertake, a more simple method is the use of absorbents.

The character and amount of the litter used in bedding is an important factor. Not only does good bedding liberally used promote the comfort of the animals, but it adds to the quantity of the manure and betters its quality because of its power to absorb and retain the liquid. The materials that may be used as absorbents are many, the more common ones being straws, refuse hay, corn-stover, sawdust, shavings, and leaves. These are all more or less serviceable.

Dry sawdust probably possesses greater absorbing qualities than the others and on the whole is preferred where it can be had. It is held by some to have a harmful effect upon the soil, but there seems little reason to believe this to be true. The Vermont Experiment Station in bulletin No. 108 states that they have used sawdust for fourteen years and have yet to note the slightest damage, though hundreds of tons have been applied to both clay and sand loams.

There is scarcely a farmer who has not an unlimited amount of straw left over in the spring. If this straw were used more frequently and the animals were bedded with a bedding of one to two feet of clean straw every day, the most of the liquid would be saved, but the straw alone is hardly sufficient. If the straw is used alone, it would be well to use a cutting-box, cutting the straw into half-inch or inch lengths and scattering half a bushel of it under each animal twice a day, and then bedding on top of this. In this way most of the liquid would be saved.

If you have use for the cutting-box for no other purpose than this, the expense of such a machine should not be to exceed \$15.00 or \$20.00, and it can be worked by hand-power or with a small engine of not more than 2 horse-power, and at a small expense you can more than double the value of your manure yearly.

I beseech you to take some steps to save the liquid manure. It is far too important a matter for you to overlook. If the value of this on a farm stocked with 20 cows, 4 horses, 50 sheep, and 10 pigs amounts to \$300, you can well afford to go to some expense to save it.

It will, of course, mean a little work during the year, but suppose you hire a man and let him spend one month cutting up straw or corn-stover for this purpose. In half of this time he would certainly cut up enough to supply you during the year, and this expense could not exceed \$30.00. Besides this, you will not only save \$300.00 as outlined above, but you will make more manure, and you will convert the straw-stack into the best possible shape for manure.

There is no question of more importance than the saving of the liquid manure and utilizing the straw-pile by converting it into a valuable fertilizer, unless it be to see that your manure is spread every day, as fast as it is made, and see that it is spread on the land evenly.

Remember that it is always best to spread less per acre and cover more acres than to spread a heavy application over a few acres.

It has been demonstrated that a ton of barnyard manure is worth \$3.00. You can figure to double your output every day, certainly through the winter months, and there is no question but that the average farmer can make

The Great Western

Endless Apron MANURE SPREADER



Made For the Man Who Wants the Best

THE GREAT WESTERN ENDLESS APRON MANURE SPREADER is absolutely guaranteed to stand up under 50% more strain than any other spreader of same capacity, and to have less than one-half the breakage. The cost to build it is 10 to 15 per cent more than any other. Take its strength and durability into account, and it is by far the cheapest machine for you to buy

A Giant In Strength.

The extra strength and durability that we give in the Great Western costs you many thousands of dollars a year. It represents only a few dollars to you in the purchase price. When you are putting over \$100.00 into a machine a few dollars extra in cost is a small item, if for every dollar extra that you pay you receive \$5.00 in value. That is what we give you—and More Too. In fact, the difference in the price between the Great Western and the cheaper machines will be more than made up within a short time in repairs alone.

Strong, Oscillating Fifth Wheel

The fifth wheel is extra strong and heavy. It is 16 inches in diameter, made of malleable iron. It is braced both front and rear. The brace runs from the lower part of the fifth wheel to the lower part of the axle, so that there is positively no give either forward or backward. It is fastened absolutely stiff and rigid to the axle. It is oscillating so that if one wheel of the machine drops into a rut or dead furrow, the frame, body and working parts are not twisted out of shape. With non-yielding fifth wheel when one wheel drops into a rut or hole, the machine twists out of shape and causes friction and binding, and makes the machine run hard, and reduces the life more than half.

This is a very important point and is one of the reasons why the Great Western is of such easy draught. Every working part of this machine is always in line so that there is no undue friction or binding.

Double Oak Bolsters

Which support the front end of our machine makes it almost as strong as a box car. There is absolutely no give or twist to it. With this construction it is not necessary for us to carry all of the load back of the front axle. The load is nearly equally balanced, both front and rear. On almost all other spreaders the entire load is carried back of the front axle, thus making the draught of the machine heavy, and giving you a front end that will invariably break and give trouble.

The Main Frame of Oak

Every stick of timber is the very toughest oak. The two side sills are 2 inches by 6 inches. There are four cross sills which are mortised into the main sills. The two middle sills which carry the center row of rollers run the full length and are securely fastened to both end cross sills and to each center cross sill. In addition to this, there are Two Diagonal Wrought Iron Braces and Truss Rods which hold the frame from skewing or twisting out of shape. This is by far the strongest and most substantial construction ever put onto a manure spreader, but as the

main frame is one of the most important features of the machine on account of its carrying all of the machinery, it is very important that it should be extra strong. This construction adds at least 50 per cent to the life of the machine. If this frame was made of pine or maple, and light material as some manure spreaders are made, the frame that carries the machinery would twist out of shape and cause the machine to go to pieces very soon. A few dollars added to the grade of the material and general construction, we consider of very great importance.

Durability All Over

Durability appears all over in the Great Western Spreader. Our whole energy and thought has been to see how good we could make it. We know absolutely that every part is equal to the duty required of it. The side-boards are one inch thick and are set on top of the side sills and securely screwed to the twelve upright oaken stakes of the main frame. The 75 rollers that carry the Great Western apron are closer together and are larger in diameter than are used on any other make of spreader. This is another reason why the Great Western is of such easy draught.

Our Famous Endless Apron

This is one continuous apron (not a half apron), therefore, is always ready to load. You don't have to drive a certain distance to pull it back into position after each load or wind it back by hand, nor are there any reverse gears, trips, springs or contraptions to get out of order; in fact, it is always ready to load; it is always up and out of the way of obstruction, as it does not extend below axle; spreads evenly from start to finish and cleans out perfectly.

The Hood and End Gate

This is one of the many valuable features of the Great Western Spreader. In its most valuable form it is practically exclusive in our machine. While loading and driving to the field it serves as an end gate and keeps manure away from the beater. It prevents choking and avoids the throwing out of a pile of manure at starting up, as some spreaders do, and it acts as a wind shield while spreading.

Go and Talk with Owners

You will find Great Western Spreaders at work in your locality. More are now being made and sold than any other spreader made. Just talk with some of the owners. They will tell you it is a spreader you can put your confidence in—that it is never found wanting in any way—that it is the strongest, the simplest, the most durable and the best spreader in every way on the market. There is no question but that it is your kind of machine. It is made for the man who wants the best.

Government Bulletin

No. 192 says the Nation's loss in manure through improper handling is \$784,233,000 a year. To find out all about it send for our great book, "Practical Experience with Barnyard Manure." We want every one interested in manure spreading and spreaders to have a copy.

Write us just these words on a postal or in a letter: "Send me your Book and Catalog No. 5076"

Write us at any address given below.

SMITH MANUFACTURING COMPANY,

1201 Leavenworth Street, Omaha, Neb. 153 Harrison Street, Chicago, Illinois.
1306 W. Eleventh Street, Kansas City, Mo.
Fourth Ave. and Third St., Minneapolis, Minn.

more money by giving this subject a little thought just at the present time than he can in any other way.

Use of Manures.

EDWARD E. VOORHEES, DIRECTOR OF NEW JERSEY AGRICULTURAL STATION.

Manure is one of the most important and valuable assets of the farm. In it is contained part of the fertility that has been removed in crops, and in the form of manure may be returned to the soil for the use of future crops. It is to be expected that farmers and others would not agree as to the value of a given quantity of manure, because it is variable in its composition, and because the returns derived from it are also influenced by kind of soil, kind of crop, and the character of the season; hence manure will vary in its value, dependent upon these various conditions. The fact remains, however, that it is a valuable product, and that which has been learned in reference to its value as a source of plant-food, the losses that may occur in handling, and the improvement that it gives to soils, in addition to supplying the essential

constituent elements, is of very great service.

Manures, like all vegetable organic materials, are subject to change, and changes generally result in a loss. However good, therefore, the management may be, there is likely to be some loss. For example, fermentation begins immediately after the manure is dropped, and unless it is properly regulated losses of ammonia will occur, and it is important that means should be used to absorb this valuable product at the earliest possible moment and prevent its evaporation. It is for this reason that our recommendations are made to use a plaster and other "ammonia fixers" in the stables, though the advantage of adding these materials is not confined to the fixing of ammonia, since it also results in improving sanitary conditions. It is recommended that where cattle and horses are stabled that, at least, one pound daily of land-plaster or two pounds of acid phosphate, be applied in the gutters for every three to five full-grown animals. It is, also, a well-known fact that manures lying in heaps are liable to loss, for the tenden-

cy of the manure is to ferment, become hot, not only causing a loss of ammonia direct, but a reduced value of the nitrogen, because of the burning or "fire-fanging" of the manure. It is for this reason that many recommend that manure be applied to the land as rapidly as it is made, whenever it is convenient to do so. This is no doubt the best plan from the standpoint of securing the greatest return, and in the long run the most satisfactory method for general farming. If the manure is thrown out in the open yard and subjected to a direct rainfall, as well as to the additional rainfall accumulated on roofs of buildings, and which pours into the yard, there is a loss not only of the nitrogen, but also considerable portions of phosphoric acid and potash.

Experiments have shown that manure subjected to this treatment for 100 days will lose from 25 to 50 per cent, or more, of all of its fertilizer constituents, the amount depending somewhat upon the proportion of litter mixed with the manure. The smaller the quantity of litter the greater will

(Continued on page 169.)

CONGO



The best ready roofing on the market. Its "never-leak" qualities make it popular everywhere. If you need a new roofing you can't do better than to drop a post card asking for a free Sample of Congo. Examination will convince any one. Address

Buchanan-Foster Co., Philadelphia,
1033 Monadnock Bldg., San Francisco.

ROOFING



No. 656. Combination Top Buggy and Driving Wagon with Stanhope Style Buggy Seat and Bike Gear. Also Extra Seat for Open Wagon. Price complete, \$61.00. As good as sells for \$25.00 more.

34 Years Selling Direct

Our vehicles and harness have been sold direct from our factory to user for a third of a century. We ship for examination and approval and guarantee safe delivery. You are out nothing if not satisfied as to style, quality, price.

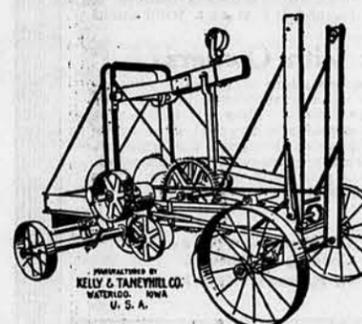
We Are The Largest Manufacturers in The World selling to the consumer exclusively. We make 300 styles of Vehicles, 65 styles of Harness. Send for large, free catalogue.

Elkhart Carriage & Harness Mfg. Co., Elkhart, Ind.



No. 315. Light Extension Top Surrey. Price complete, \$73.50. As good as sells for \$35.00 more.

WELL DRILLING MACHINERY



Portable and drill any depth by steam or horse power. We challenge competition. Send for free illustrated circular No. 208.

KELLY & TANEYHILL CO.,
203 Chestnut St. Waterloo, Iowa

BOWSER

(Sold with or without elevator.)
Crush ear corn (with or without shucks) and grind all kinds of small grain, and feed kaffir. Use Conical Shape Grinders. Different from all others.

LIGHTEST RUNNING.

Handy to Operate. 7 Sizes—2 to 25 h. p. One size for wind-wheel use.

Also Make Sweep Grinders, both Geared and Plain.

C. N. P. Bowser Co.,
South Bond, Ind.

FEED MILLS

BIG JACK AND HORSE SALE

75 big, registered jacks, jennets and registered trotting, saddle and driving horses. Closing out the Johnson County jack farm

February 22, 1907
rain or shine, as we have a big tent. Write for catalogue.

G. A. Fewel, Leeton, Mo.

Stock Interests

LIVE STOCK REPRESENTATIVES.

C. E. SHAFFER.....Northern Territory
L. K. LEWIS.....Southern Territory

The Silver Creek Shorthorns at the Wichita Sale.

The sixth annual offering of Silver Creek Shorthorns, owned by J. F. Stodder, Burden, Cowley County, Kansas, will be at Wichita, Kans., on February 20, 1907. The sale will be held in the heated pavilion at the new fair grounds, four blocks from the Missouri Pacific depot. Mr. Stodder thinks he has never sold as good a lot before and some of his sales have averaged well up to the \$200 mark. There will absolutely not be a mean thing in the sale and a



Captain Archer 205741, now at the head of J. F. Stodder's herd of Shorthorns.

number of last year's show herd are included. There will be 50 head in the sale, 20 bulls and 30 young cows and heifers. Six head of Scotch cattle are included and nearly one-half of the consignment are sired by such bulls as Imp. Collynie, Imp. Aylesbury Duke, and Imp. Lord Cowslip. Most of the others are sired by the Cruickshank bulls, Lord Thistle, Royal Secret (a son of the famous Princess Alice), Gwendoline's Prince, Captain Archer, Valiant, Victor of Wildwood, Champion's Best, Violet's Baron Dudding, and Symmetry—a son of Imp. Manner. One of the leading attractions in the bull line is Royal Scott out of the \$1,700 cow, Imp. Jessica, and sired by the Missie bull, Imp. Aylesbury Duke. He is a show bull and if carried on for next year should make trouble for some of the good ones. He weighs almost 100 pounds for every month of age and his description is "good all over." An added value is attached to this bull from the fact that Mr. Stodder is using his half-brother, Royal Orange, as one of his herd-bulls, Royal Scott and Royal Orange both being out of the cow, Imp. Jessica. Another herd-header is Valentine Duke, a flashy roan in color, sired by Imp. Aylesbury Duke and out of the Butterfly cow, Butterfly Maid, by a son of the great show and breeding bull, St. Valentine. His pedigree certainly gives him a right to be good individually, and we doubt if a better young Scotch bull will be sold anywhere this year at public sale. Mr. Stodder has refused several tempting offers on this calf, that he might keep him for the sale. He has several good prizes to his credit, including Kansas State Fair, St. Joseph Live Stock Show, and Southwestern Live Stock Show at Wichita.

New Years, a handsome red sired by Imp. Collynie, is another good Scotch bull that should find an appreciative market. His dam is by the Harris-bred bull, Thistlewood, and grandam by Imp. King of Aberdeen. He is on a Secret foundation.

Silver Creek Thistle is another one of the good ones, having won third prize last fall at Kansas State Fair. His dam, Silver Creek Beauty, has always been a producer of good ones, four of her calves having been good enough to go into Mr. Stodder's show-herd, one winning a good prize at the World's Fair.

Aylesbury Barrington is a flashy red bull of much style and out of a Bates Barrington cow that is a great milker. This bull has plenty of size and age to do strong service the coming year. We can recommend him for the head of some herd that does not need a straight Scotch bull. He will weigh 1,500 pounds sale day, and is only 20 months old.

Lord Filbert 2d, sired by Lord Thistle, is full brother to the show-bull, Lord Filbert. Another son of Lord Thistle is Bonny Scott that is full of the blood that made the Pott's herd famous.

Corbin's Pride is a very deep red with five Scotch crosses and will weigh around 1,600 pounds sale day.

King Thistle is a 12-months calf that is remarkable for his smoothness and quality, and he can be recommended for use in some herd where milk as well as beef is particularly desired.

There are not many public sales that offer more good blood lines than this one, and we ask our readers who are in any way interested to send for a catalogue and study it. Mention THE KANSAS FARMER when you apply for one to J. F. Stodder, Burden, Cowley County, Kansas.

A Letter from L. D. Arnold.

We have received from L. D. Arnold, who sells hot-blooded Poland-China brood-sows at Abilene, February 14, the following letter:

"Fellow Breeders: It is with considerable satisfaction and pride that I invite you to attend my coming sale of 'Quality Herd' Poland-Chinas. I have carefully noted the 'fashion tendency' of breeders and tried to breed and to buy only such as would be attractive to the high-class breeders that are now building up herds in the West. To this

end I purchased the best son I could find of Grand Chief 29740, the Missouri champion of 1903, and whose get was the sensation of Illinois State Fair last fall; five head shown won first and third in junior yearling class, second in the senior yearling class, outranked only by the \$1,800 Louise of Oakwood. In the herd-rings his get won first on aged herd, aged herd bred by exhibitor, and first on get of sire, the highest honors that can be given a boar.

"Grand Perfection, the son of this great sire, the brothers of all these show hogs, to say nothing of the winners in Texas, Kentucky, Kansas, Nebraska, and Missouri, is the Grand Chief boar of to-day. Three-fourths of the offering are safe in pig to him. He is out-breeding his famous sire.

"Besides these sows there is Juanita Girl, full sister to the Illinois prize-winning sows, safe in pig to Dawley's E. L. 2d. Here's a chance to improve any herd in Kansas. Then there's a Meddler sow safe in pig to the Iowa champion, S. P.'s Perfection; and a half sister of his and champion, Lady Lucille, bred to Grand Perfection. These are sows by the Missouri champion, Nonpareil, by the \$3,000 On and On, a great sow by the International champion, Chief Sunshine 2d, a half brother to Spellbinder, Regulator, On and On, and out of the greatest living brood-sow, Huida's Ideal. This sow's dam is by C. F. 2d, making her as well bred a sow as will go through any sale East or West. Do not the foregoing indicate breeding? The best way to get next some of this high-class stuff is to come to the sale—just stop off at Abilene when on the way to Dawley's Salina sale. I'll treat you right. It's February 14, right in town, come."

Two Great Duroc-Jersey Sales.

Gilbert Van Patten will sell at Sutton, Neb., Thursday, February 14, and George Briggs & Son at Clay Center, Neb., Friday, February 15.

On the above dates will occur two of the most important Duroc-Jersey sales ever held in Nebraska, and the blood of Higgin's Model and Billy K., which has made these two herds famous, will be the attraction at these sales. Higgin's Model is dead, and what he has done is a matter of history, and yet we like to recall the fact that he was not only a show-hog, but a producer of show material. How many boars have produced such animals as Higgin's Model? His sows are the mothers of Van's Perfection, Middle Rose Lady, Savannah Belle, Belle's Chief, Nebraska Belle, and Hunt's Model. A Higgin's Model sow is also the mother of the first- and fourth-prize pig under 6 months, and Model H., one of his greatest sows, won fourth at Nebraska State Fair and is good enough to stand at the head of Ward's great herd at Republic, Kans.

Billy K. is also dead, and here is the last chance to get any of his gilts. Billy K. was a producer of show-stuff, and his get won fourteen ribbons at the Iowa and Nebraska State Fairs last year. In these two sales a number of gilts will be offered, sired by this great animal and bred to Tom Davis, the sensational yearling that won second at Iowa and first at Nebraska State Fairs last year. Tom Davis is one of the greatest hogs ever produced and his get will be in great demand next year.

Some of the attractions in Gilbert Van Patten's offering are Model C, by Billy K., the sow that won first as a junior yearling last year at Nebraska State Fair. She is a beautiful animal and an excellent individual and well deserves the honors she carried away. In the sale will also be two litter sisters, one of them winning third in the same class at this great show. The other one, we think, is equally as good, and the mother, Rosebud Lady 7130, who is also catalogued is one of the finest animals we ever saw.

There are many other animals in Van Patten's offering that deserve special mention, but the catalogue does them greater justice and can be had for the asking.

In George Briggs & Son's offering are many animals that should cause the lover of good breeding and individuals to loosen his purse strings. The blood of Higgin's Model, Improver 2d, Red Chief I Am, Morrison's Belle Top, and other great sires runs rich in this herd, and on sale day should bring the price it so justly deserves. And whoever buys a sow or gilt sired by these great animals will spend his money wisely.

To the breeder who is after the best stock on the market, we would advise him to attend these two great sales. Nowhere is anything being offered that is better, and but few herds equal these in the quality of their offering. Catalogues may be obtained by writing Gilbert Van Patten, Sutton, Neb., or George Briggs & Son, Clay Center, Neb.

Bids may be sent to Col. T. C. Callahan or C. E. Shaffer, fieldman KANSAS FARMER, care of either of the above-named gentlemen, and they will receive careful consideration.

The George Briggs & Son Sale of Duroc-Jerseys.

Our readers interested in one of the most popular strains of red hogs are reminded of a bred-sow sale, to be held by George Briggs & Son, of Clay Center, Nebraska, February 15, as a good place to buy strictly high-class breeding-stuff. It is as advertised, a top offering of forty sows and gilts all of prize-winning blood and including all of the top gilts of this year's crop as well as one of the finest aged brood-sows in the herd.

The gilts are a strictly choice lot, and to the writer's notion there will hardly be a better one sold among the gilts than the one by Higgin's Model 3251 and bred to Improver 2d 13365, sire of many prize-winners. The first-prize boar pig at the Nebraska State Fair was by him, his dam by Higgin's Model, so you will have exactly the same breeding in his gilts' litter as in the first-prize pig at the Nebraska State Fair. She has lots of quality and finish. She is a show animal as well as the type for an excellent brood-sow.

The offering includes several other daughters and granddaughters of Higgin's Model that are fine, lengthy, roomy gilts, just the kind it takes to make excellent brood-sows, as they have the color, bone, back, and finish. There are eight by Billy K. Model, he

Horse Owners! Use GOMBAULT'S Caustic Balsam



A Safe, Speedy, and Positive Cure

The safest, Best BLISTER ever used. Takes the place of all liniments for mild or severe action. Removes all Bunches or Blemishes from Horses and Cattle. SUPERSEDES ALL CAUTERY OR FIRING. Impossible to produce scar or blisther. Every bottle 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 circulars.

THE LAWRENCE-WILLIAMS CO., Cleveland, O.

For Over 60 Years

Mrs. Winslow's Soothing Syrup

has been used for over FIFTY YEARS by MILLIONS of Mothers for their CHILDREN while TEETHING, with perfect success. IT SOOTHES the CHILD, SOFTENS the GUMS, ALLAYS all pain, CURES WIND COLIC, and is the best remedy for DIARRHOEA. Sold by Druggists in every part of the world. Be sure and ask for Mrs. Winslow's Soothing Syrup and take no other kind. 25 Cents a Bottle.

An Old and Well-tried Remedy

BIGGER PIG MONEY.

Scours and Thumps kill, on an average, half the pigs in every litter or make runts. Stop that slaughter and waste by giving them

ANTI-SCOUR

Does away with starving methods. Regular rations for sow and pigs. Endorsed by all hog-raisers who have tried it, and experiment stations. Guaranteed sure, speedy, easy and inexpensive. 400 doses in box, \$1.00. Sent postpaid or at your druggist's. Send for booklet, "Bigger Pig Money." Endorsed by Prof. Kinzer of Kansas Agricultural College; Frank Dawley, Walden, Kans.; Everett Hayes, Hiawatha, Kans.; John W. Jones & Son, Concordia, Kans.; and hundreds of other prominent farmers and breeders.

THE AGRICULTURAL REMEDY CO.
521 Kansas Ave. Topeka, Kans.

Pride of Nebraska

The Greatest Incubator on the Market...

Waste heat runs brooder. The only brooder that will raise chicks after they are hatched. One lamp runs both. Write at once for free catalogue to

Mrs. Tim Hartnett, Sutton, Nebraska

—SEND YOUR HIDES TO—

Bayer Tanning Company

to be tanned for robes, coats, rugs, harness and lace leather. Practical and technical knowledge of tanning. Superiority in workmanship and finish makes our work the kind You want. Write for new price list.

Bayer Tanning Company, Dept. C, Des Moines, Ia

SHIP YOUR FURS AND PELTS

To McMILLAN FUR & WOOL CO. MINNEAPOLIS, MINN.

Illustrated Circular Free to anyone interested in RAW FURS.

Trappers' Guide Free to those who ship to us

THE LARGEST AND BEST LINE OF WELL DRILLING MACHINERY

in America. We have been making it for over 20 years. Do not buy until you see our new Illustrated Catalogue No. 41. Send for it now. It's FREE.

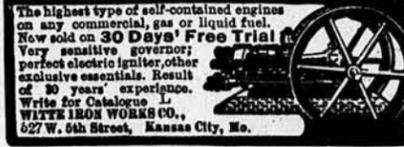
Austin Manufacturing Co., Chicago

WITTE GASENGINES

The highest type of self-contained engines on any commercial, gas or liquid fuel. Now sold on 30 Days' Free Trial.

Very sensitive governor; perfect electric igniter, other exclusive essentials. Result of 20 years' experience.

Write for Catalogue L. WITTE IRON WORKS CO., 527 W. 6th Street, Kansas City, Mo.



by Billy K., and they are fine. There are a few bred to him. The older sows include the great sow, Garnet 112872, who is both a show sow and one of the very best brood-sows in the herd. Their very object in putting her in this sale is to attract some of the best breeders in the red-hog world. She is bred to Champion Improver 2d and is certainly a grand, noble brood-sow, gentle as a lamb, and always raises nine pigs. She has a fine arched back, good hams, heavy bone, extra good feet and legs, heavy smooth, and is a granddaughter of Higgin's Model. They absolutely guarantee this grand sow in every respect. There are a number of sows in the sale bred to Improver 2d, the boar that never met defeat when in condition. In the fall of 1903, the last time in the show-ring, he defeated one of the champion and highest-priced boars of the breed to-day. He is also the sire of scores of prize-winners. He is a large, strong, vigorous fellow, has extra heavy bone, good feet and legs, strong arched back, fine head and ears, and a getter of great brood-sows.

There are a good many bred to Belle Model and Belle Top, both sows of Nebraska. Belle, the champion sow of 1902 and 1904. They are of the same litter as Savannah Belle, the \$730 sow. There are both breeding and quality in these two yearling boars that one doesn't find in every boar, as their dam, Nebraska Belle, is unquestionably the greatest living show- and brood-sow in the world to-day. She was bred and raised by this firm. Now they have eight half-sisters to this great sow in their sale on February 15, and from the fact that Higgin's Model, the grand old sire of Nebraska Belle is dead, it will be the last opportunity to secure any of his get, and there will be eighteen head of his daughters and granddaughters in this offering. So get on the ground floor and secure some of the great breeding.

Other great boars used in the herd are Model R., a son of Higgin's Model, and Billy K. Model, a son of Billy K., dam Betsy Mald, a great show-sow which never met defeat only by the champion, Nebraska Belle. As a breeder she produced sweepstakes sow two years ago; also produced second-premium sow at the last Nebraska State Fair. So Billy K. Model came from a great sow as well as a great sire. Several of the gilts are by and bred to this hog. Catalogues are now ready. Send for one at once and arrange to attend this sale. It is the day following Gilbert Van Patten's, of Sutton, Neb., and is an easy railroad point. You can come to Harvard, Fairfield, Edgar, or Clay Center.

E. D. Morris's Poland-China Sale.
On Thursday, February 21, E. D. Morris, of Bern, Kans., will sell 35 head of bred sows of breeding as good as the best. While Mr. Morris is a comparatively new breeder, he has the reputation of raising nothing but good ones, and on sale day those in attendance will be surprised at the quality of his offering. Among the aged sows we desire to give special mention to Queen Lil 79281 by C's Black Chief 28065, Black Bess 75134 by Black U. S. 24647, Dolly Chief 74458 by Over Chief, Pilate Chief 43565 by Johnson Chief 35744. These sows will be bred to Major King 43564 by Major M., and Klever 80060, both hogs noted for massive size and from prolific families. Write for catalogue.

Gossip About Stock.

A. L. Sponsler, secretary of the Hutchinson State Fair and president of the Kansas State Board of Agriculture, announces a breeders combination sale to be held at the State fair grounds, Hutchinson, February 26, 27, and 28, comprising Hereford and Shorthorn cattle and imported draft-horses. Further announcements will be made next week.

Catalogues are now out for the great Kansas horse sale to be held at Council Grove, Kans., on February 14 and 15. At this time there will be sold at auction forty-six head of high-class standard-bred, trotting, and pacing horses. This offering is supposed to be the very best of this class ever made in the State, and includes many special attractions, such as Busy Izzy 2:24 1/2, sired by Escobar 31844. There are also several youngsters by Escobar, Myron McHenry 2:15 1/2, Symbolier 2:09 1/2, Wilkhurst 2:17 1/2, Hepenstall 2:17 1/2, Allert 2:18 1/2, Free Coinage 2:11 1/2, Westbrook 2:23 1/2, and many other good ones. On the second day of the sale fifty head of heavy horses and five mules and Southern chunks ready for market will be sold to the highest bidder. Send for catalogue to E. F. Bell, Council Grove, Kans.

A. Johnson, owner of the Maplewood Herefords at Clearwater, Kans., will consign ten head to the sixth annual combination sale to be held at Wichita, Kans., on February 21, under the management of J. C. Robison. There will be six bulls and four cows and heifers in his offering, and they are a good lot. Mr. Johnson says the bulls are the best bunch he ever offered. Parties desiring high-class Herefords should write for a catalogue at once. A description of these cattle will be given in these columns next week.

The most important horse event of the year is the forth-coming Kansas horse sale to be held at Council Grove

on February 14 and 15 by the Parkdale Training Stables. E. F. Bell, the manager, says it will be the greatest sale of the kind ever held in the history of Kansas and more high-class trotters and pacers with and without records and well-bred youngsters with great prospects will be found in this sale. There will be over fifty head, many of them consigned by notable breeders. In addition, to the trotting-bred horses, there will be sold fifty head of heavy horses, Southern chunks and mules, ready for market. Send at once for catalogue as per ad in this issue and watch for further announcements.

The Segrist & Stout Brood-Sow Sale.

The Poland-China bred-sow sale, held by Segrist and Stout at Humboldt, Nebr., on January 28, was quite successful. The offering was good and in the pink of condition. There was a good crowd in attendance and the bidding was lively. Col. T. C. Calahan was on the block and did his work well. Following is a report of the sale:

- 1. Gus Aaron, Leavenworth, Kans. \$ 90.00
- 2. H. C. Philpot, Humboldt, Nebr. 52.50
- 3. Mr. Jones, Humboldt, Nebr. 50.00
- 4. G. W. Wiltse, Dawson, Nebr. 59.00
- 5. Gus Johnson, Johnson, Nebr. 52.50
- 6. G. W. Wiltse, 70.00
- 7. J. R. Triggs, Dawson, Nebr. 70.00
- 8. Wm. McKeever, Hubbell, Nebr. 57.00
- 9. Wm. McKeever, 70.00
- 10. Chas. Powers, Humboldt, Nebr. 62.50
- 11. C. Lionberger, Humboldt, Nebr. 45.00
- 12. John Bollin, Leavenworth, Kans. 62.50
- 13. James Meeks, Tecumseh, Nebr. 57.50
- 14. Henry Lentz, Tecumseh, Neb. 50.00
- 15. S. B. Taylor, Humboldt, Nebr. 36.00
- 16. H. C. Dawson, Endicott, Nebr. 49.00
- 17. H. C. Philpot, 43.00
- 18. S. B. Taylor, 32.50
- 19. Frank Porter, Humboldt, Nebr. 31.00
- 20. E. C. Hill, Humboldt, Nebr. 38.00
- 21. L. J. Segrist, Humboldt, Nebr. 40.00
- 22. G. W. Wiltse, 40.00
- 23. W. E. Bennett, Winneton, Nebr. 30.00
- 24. J. Hamilton, Guide Rock, Nebr. 100.00
- 25. J. E. Nofsger, Dubois, Nebr. 34.00
- 26. Wm. McKeever, 43.00
- 27. H. C. Philpot, 38.00
- 28. John Gelsman, Sterling, Nebr. 38.00
- 29. Henry Lentz, 47.00
- 30. H. C. Dawson, 41.00
- 31. James Meeks, 70.00
- 32. Claude McKelvie, Fairfield, Nebr. 125.00
- 33. H. C. Dawson, 52.50
- 34. John Bollin, 67.50
- 35. H. S. Henshaw, Butler, Mo. 57.50
- 36. H. C. Dawson, 40.00
- 37. S. B. Taylor, 28.00
- 38. S. B. Taylor, 28.00
- 39. E. D. Morris, Bern, Kans. 36.00
- 40. H. C. Dawson, 35.00
- 41. H. C. Dawson, 34.00
- 42. A. W. Eastman, Humboldt, Nebr. 22.00
- 43. S. B. Taylor, 28.00
- 44. E. D. Morris, 38.00
- 45. Fred Lenick, Humboldt, Nebr. 29.00
- 46. L. R. Trimmer, Humboldt, Nebr. 24.00
- 47. W. J. Hather, Ord, Nebr. 60.00
- 48. Claude McKelvie, 71.00

C. W. Taylor's Duroc-Jersey Sale.

This sale will be held at Abilene, Kans., February 18, and will be full of choice breeding animals. Mr. Taylor is a practical hogman, as well as one of the largest Shorthorn breeders in Kansas, and buyers who purchase his stock will feel assured that everything in this sale has been fed for the purpose of making useful breeding-stuff rather than show stock. Send for catalogue and attend his sale. The Taylor stock, whether it be hogs or cattle, always makes money for the buyer.

John Joiner's Sale of Durocs.

This sale will be held at Clyde, Kans., February 20, and for rich breeding and good individuals it will be one of the good ones. It is not necessary for us to go into details about Joiner's herd. Breeders know that in last winter's sales in Northern Kansas he nearly always topped them and secured the best ones in the offering. Write Mr. Joiner for his catalogue and arrange to attend his sale.

Save the Painting.

By buying a ready roofing that never needs coating or painting, you can save a big load of work every year. Amatite Ready Roofing has a mineral surface that is self-protecting without paint. By using Amatite you can save all the cost of paint and, what is still more important, the trouble and responsibility of doing the work. If you neglect the painting of other kinds of roofing, you soon need a new roof, so there is trouble and expense either way. Remember that Amatite needs no coating. Send for a free sample and examine the firm, strong mineral surface. Address the nearest office of the Barrett Manufacturing Company, New York, Chicago, Cleveland, Allegheny, Kansas City, St. Louis, Minneapolis, Philadelphia, New Orleans, Boston, and Cincinnati.

IMPORTANT LIVE STOCK SALES NEXT WEEK.

- February 12, 1907, Duroc-Jerseys. T. P. Teagarden, Wayne, Kans.
- February 12, 1907, Duroc-Jerseys. Marshall Bros. and J. F. Stodder, Burden, Kans.
- February 13, 1907, Poland-Chinas. O. B. Smith & Son, Cuba, Kans.
- February 13, 1907, Duroc-Jerseys. J. B. Davis, Fairview, Kans.
- February 13, 1907, horses and jacks. John Wiswell, Columbus, Kans.
- February 13, 14, 15, 1907, Shorthorns, Herefords, and Swine. Improved Stock Breeders' Association of the Wheat Belt, Chas. M. Johnston, Caldwell, Kans., secretary.
- February 14, 1907, Duroc-Jerseys. Gilbert Van Patten, Sutton, Neb.
- February 14, 1907, Poland-Chinas. L. D. Arnold, Route 1, Enterprise, Kans.
- February 14, 15, 1907, Standard-bred and Draft horses, Parkdale Training Stables, Council Grove, Kans.
- February 15, 1907, Sensational Poland-Chinas at Salina, Kans. F. A. Dawley, Waldo, Kans.
- February 15, 1907, Duroc-Jerseys. Geo. Briggs & Son, Clay Center, Neb.
- February 16, 1907, Poland-Chinas at Fort Scott, Kans. J. R. Young, Richards, Mo., and W. R. Crowther, Golden City, Mo.

A dollar's worth of Standard Stock Food

- contains more feeds,
- will go farther,
- last longer, and
- produce more and better results,

than a dollar's worth of any other stock food made, whether it costs 5c or 15c a pound.



YOU can prove this to your own satisfaction by examining various stock foods and their feeding directions. The Standard looks better, smells better, tastes better and is better—stronger, richer, more concentrated—and a much less quantity of it is required at each feed.

It gives the best results at the least cost. Sold on our money-back, square-deal guaranty. Go to your Dealer and ask him to supply you. If he cannot, do not take a substitute but send to us direct.

We will ship immediately and protect you with our square-deal, money-back guaranty.

STANDARD STOCK FOOD CO., 1517 Howard Street, Omaha, Neb.

Examine Fence Carefully

before you buy it and see whether the stays are made of whole wire or short pieces. It makes a big difference in the strength of the fence and as the whole wire fence costs you no more, and is fully twice as strong, why buy the other? Our stay wire is continuous—one piece running continuously up and down across the fence without an end for many rods. Thus we preserve and utilize all the strength and service there is in the wire, fully half of which is wasted in cut stay fences—sacrificed to convenience and speed in manufacture. Our method of weaving is a little slower and costs us a trifle more, but it's worth while—it's the only correct way of weaving a fence.

30 days approval. But why argue and hesitate? Let us ship you what fence, etc. you need on 30 days approval. We want you to examine and test it. We want to show you the difference between ours—the best made fence on earth, and the other fences that are being offered to you. During the 30 days you can test it thoroughly. You can put up a part of it or all of it and turn your stock against it. Give it any kind of a test you wish. After examining it and comparing its construction with others we will gladly let you be the judge. If you don't like it, send the whole business back and it won't cost you a cent as we will pay freight both ways and refund every cent you paid. 17 years experience with this kind of fence gives us the confidence to make this offer.

We prepay freight to any steam railroad station in the United States on 40 rods or more and guarantee the safe delivery of your shipment. Our free Fence Book tells all about Advance Fence. Let us send it to you with freight paid prices on our line.

Advance Fence Co.,
59 Old St., Peoria, Ill.



U S U S U S U S U S U S U

GETS BIGGEST PROFITS FROM MILK

The chief reason you want a separator is to get more cream—more money—out of your milk. Then if you want to get the most you'll naturally want the separator that gets the most cream. That's the improved

U. S. CREAM SEPARATOR

Holds World's Record for Cleanest Skimming.

It's the bowl that skims the cream. Inside the U. S. bowl are only two, simple, easy-to-clean, strong parts, but it gets all the cream—the World's Record guarantees it. Our free, new book shows four pictures of the bowl, explains why it skims cleanest and how it made the World's Record.

Also shows the solid low frame, enclosed light-running gearing, simple, automatic oiling device—everything about the construction and operation of the U. S. 27 pictures.

Just mail us today a postal card asking for "Construction Catalogue No. 91" and learn all about a machine that will get more cream—more money—for you.

VERMONT FARM MACHINE CO., Bellows Falls, Vt.

PROMPT DELIVERY. Eighteen Distributing Warehouses. NO DELAY.

U S U S U S U S U S U S U

CHEESE FACTORY AT AUCTION

A good cheese factory and complete equipment at public sale February 15, 1907, at 10 a. m. to dissolve partnership. It has been in continuous operation eighteen years. Received 1,726,000 pounds of milk in 1906. Good chance for a competent young man with small capital. If you are interested write for particulars. Sealed bids sent to the auctioneer will receive honorable treatment. Col. John Daum, Auctioneer. CHEESE COMPANY, Nortonville, Kans.

A Special Bargain

One of the finest farms of 320 acres, 7 miles of Parsons, Kans., the best town in Southern Kansas; located on main road, R. F. D. and telephone; three-fourths mile to church, extra well improved; the improvements are worth over \$3,000; all smooth rich land, in wheat, corn and grass; must be sold by Mar. 1, 1907, to settle up an estate. Price, \$15,000, which is a great sacrifice. For further particulars address THE MOON LAND CO., Colony, Anderson Co., Kansas.

ALL STYLES AT LOWEST PRICES

SCALES

30 DAYS FREE TRIAL

AMERICAN SCALE CO.
200 MOBILITY TRUST BLDG., KANSAS CITY, MO

FARMERS ACCOUNT BOOK

A scientific Account Book for farm Bookkeeping. Specially prepared and adapted for all farm accounts. Contains 200 pages 10 to 13 inches with headings printed in for all farm and live stock accounts. Each account is accompanied by instructions as to what to charge or credit in that account—really an Automatic account book, use this book and know what your expenses are and what you are making on each department of your business. Price \$2.00 prepaid to any part of the United States. Money back if you want it. Descriptive circular mailed on request. Ten cents in stamps will bring you a 50-page INSTRUCTOR in Business Writing and Lettering, regular price \$1.00. Address

H. G. PHELPS & CO.,
Bozeman, Mont.

LEGAL.
FRED C. SLATER, Lawyer,
Topeka, Kansas.
Collections made in all parts of the country. Advice given on matters by mail. Inheritances collected and estates investigated in all parts of the world.

It Pays to Buy the Best Machinery.

In buying farm-machinery it pays to buy the best even though it costs a little more. Remember that low prices and good machinery do not go together. Break-downs are expensive. One delay in a break-down is liable to cost a man more than the difference between the price of a high-grade and a low-grade machine. A good rule to follow is to investigate the different makes of any machine you wish to buy. Don't depend too much on what your dealer says. You can easily tell the difference in value. For example, take a manure-spreader. You will find that some have oak and some pine poles. You know that oak is better. You will find the same difference in the main frame. Some are oak and some pine. Examine the timber with your knife. Go right through the material, piece by piece. Then another good thing to consider is the weight. If one machine weighs, say 1800 pounds, and another 2200 pounds, you can see that there is a difference in the cost of manufacturing. A fair value of finished material in a machine like a spreader is 4 to 6 cents per pound. If you figure it at \$4.00 per hundred pounds you will surely be, on the safe side. You can't expect to buy a big heavy machine made of the best material at the lowest price. Buy good machines—and take care of them and you will be a big gainer in the end.

The Endless Apron.

Used on the Great Western is a great improvement because it is always ready to load wherever it stops. There are no reverse gears to get out of order. Another advantage in long hauls is that you can load the front half or two-thirds of the machine up as high as you wish. When you have spread two or three feet out of the rear and this leaves this amount of vacant space in the front end so the surplus may be shoved forward. This increases the capacity about one-third. There are many other advantages in the Endless Apron.

A Big Success in Selling Manure-Spreaders from Factory to Farmer.

Within recent years there have been many notable instances of large manufacturers changing from selling through the dealer to the direct-from-factory-to-farmer plan, but among the most remarkable was the complete change

made last year by the American Harrow Company, of Detroit, Mich., manufacturers of the celebrated American manure-spreader.

This large organization had been in the manufacturing business for 25 years, and up to last year had been selling through the old method of the jobber and local dealer.

Speaking of this radical change of policy, W. W. Collier, general manager of the company, in a recent interview said:

"One of the principal reasons why we decided to discontinue selling our factory output to jobbers and dealers was because we wished our machine to have more attention and consideration than it was possible to induce a local dealer to give it.

"We have absolute faith in the reliability and quality of the American Manure-spreader, and we felt that we were better able to demonstrate this to the farmer by communicating with him direct than through the agency of the dealer.

"The ordinary dealer handles too many different lines to give any special attention to any one, and is not particularly interested in any machine beyond making the sale.

"Then, too, we have given the fertilization question a great deal of study for nearly a generation, and we felt that we were in a position to give each one of our customers much valuable information on this important subject."

Mr. Collier also assured us that the new selling plan had met with wonderful success from the beginning, because it enabled them to save the purchaser considerable on the price, giving him a spreader of standard quality for less than he would have to pay the dealer for an ordinary machine.

In addition to this price saving, this company also sell their spreaders on time and on trial, allowing any responsible party 30 days in which to test the machine on his own farm.

We believe that every farmer who is interested should write to the American Harrow Company and get their big free book and full description of their complete line of spreaders.

We understand that they manufacture a greater variety of machines than any other manufacturer in the country. With their catalogue they send other printed matter of value to every farmer and quote direct delivered prices on their big line of spreaders.

We suggest that every one of our readers who are interested, write to the American Harrow Company for this literature. Their address is American Harrow Company, 10150 Hastings St., Detroit, Mich.

Wheels Should Track.

The front and rear wheels of a manure-spreader should track the same as a farm wagon, as the machine will pull easier than it would if it made four tracks. Then again if the wheels don't track, you can't top-dress corn or spread on corn-stubble successfully, because either the front or rear wheels or horses will walk on the rows. The front axle of a spreader should be set back under the machine so it will carry

Big Saving to You On the Best Manure Spreader Made



FIGURED from any point of the compass—taking the question of the first cost—the question of quality—the question of capacity—the question of finish—the question of strength—the question of correct principles—the question of right working.

We, the makers of this celebrated American Manure Spreader will save you money every time on one of our high-grade machines. We not only save you money on the first cost—but we save you money per year's wear—because—the American is made of the highest quality, best material possible to secure—and made on correct principles by skilled workmen.

If every purchaser of a Manure Spreader would first compare the American with all other makes, we would sell all the Manure Spreaders that are sold.

We know that's pretty strong talk—but the American will make good every claim we make for it. It is positively BEST BY COMPARISON—and we want to prove to you all the claims we make. We will sell you

Direct from the factory and pay all the freight to you

at our low factory price, which leaves out all the jobbers' and dealers' dividends.

Set it up and use it, in your own way, on your own farm, for a full month—to prove every claim we make for it. If the machine isn't exactly as we claim it is—and doesn't do the work exactly as we say it will, and isn't perfectly satisfactory to you all you have to do is to send it back to us—and the month's trial won't cost you a penny. In this way you may have

Free Use of an American Manure Spreader for a Month

AMERICAN HARROW COMPANY, 10150 Hastings Street, DETROIT, MICH.

ry its share of the load and so the horses can be hitched close to the load.

The Foundation.

Of a house or any machine represents its life and strength. The foundation of the front end of the Great Western spreader is the double-oak bolster, which carries the front end of the machine and lead. The Great Western spreader costs more than any other, but



when buying a big machine of this kind a few dollars extra in the cost is a small matter if for every dollar extra it costs you get \$5.00 in value. That's what you get in a Great Western.

The Fifth Wheel of a Spreader.

Is an important part of the machine. It should be made oscillating so that when one wheel drops into a dead furrow or rut the body of the machine carrying the machinery will be carried level, not cramped out of shape. The fifth wheel of the Great Western spreader is of the oscillating pattern, 16 inches in diameter.

The Wonderful Success of the Wagon-Box Spreader.

The success of the Galloway wagon box spreader, advertisement of which appears on page 174 of this issue of THE KANSAS FARMER, has attracted attention all over the country. It has remained for William Galloway, president of the William Galloway Company, to put upon the market the first and only successful wagon-box spreader now being sold to the farmer.

This spreader is being sold direct from the Galloway factory at Waterloo, Iowa to the farm, freight prepaid. We trust that if there are any of our readers who have not shown sufficient interest to write this company for their catalogue that they will do so without any further delay.

You may not be going to buy a spreader yourself this spring, but no doubt you are this fall or in another year. We have told our readers so many times of the value of farm manure for not only improving the soil condition and increasing the crop, but also its advantage in increasing the value of your land in case you wish to sell that we feel certain that our advice to you to buy a spreader will not be in vain.

It will pay you to investigate the manure-spreader proposition thoroughly. Have you not a truck on your farm that you could set a wagon-box spreader on and in that way get a machine that would fill every purpose for spreading manure uniformly and evenly at one-half the usual cost.

We understand that the Galloway Company is selling a machine that will fit any farm truck, narrow or wide tread, that has rear wheels 38 inches high or higher. This takes in the average farm truck. Their catalogue, which is an exceedingly beautiful one, shows every feature of their machine and will give you a perfect idea of just what their machine is like, and as they guarantee it to you and back their guarantee with a \$25,000 legal bond you take absolutely no risk in ordering of them, under their selling plans which are very liberal.

We do not see how we could do you a greater favor than to urge you to send for their catalogue by to-day's mail. We believe you will want one after you read what they have to say on page 174.

We know the William Galloway Company to be a firm that is perfectly reliable in every way and we can heartily recommend it to our readers.

FREE HOMESTEADS



IN WESTERN CANADA

SPECIAL TRAINS Leave Kansas City, Mo. MARCH 19th

For MANITOBA, SASKATCHEWAN and ALBERTA HOMESTEADS

A Canadian Government Representative will accompany this train through to destination

For Certificates entitling to Cheap Rates, Literature and all particulars, apply to Supt. of Immigration, Ottawa, Can., or

J. S. CRAWFORD, 125 W. 9th St., Kansas City, Mo.

A COMPLETE HOME VINEYARD FOR \$2.48

We grow and sell good trees. You do not know this, and we cannot convince you unless we can get a trial order. In order to get started we will offer you 75 First Class Grape Vines of the following varieties: 50 Concord, the old reliable; 10 Moore's Early, large and early; 5 Agawam, the best red; 5 Niagara, the best white; 5 Catawba, old, but good. These vines are extra good, and it is because they are sure to please you that we want to put them in your hands. This selection will make you a nice home vineyard. The vines alone are well worth the price asked, but we will add free to you 24 Raspberries (12 Gregg, black; 12 Cuthbert, red) 24 Blackberries (12 Snyder, 12 Ancient Briton) 25 Asparagus, Conover's Colossal. We will deliver these free of all transportation charges if you live in



Iowa, Nebraska, Kansas, Missouri, Illinois, South Dakota, Wisconsin, Minnesota, Oklahoma, or Missouri. Persons living in other states should send fifty cents more. A PREMIUM FOR QUICK ACTION. If the order is sent on or before Feb. 25 we will send you all the above vines and bushes and roots, and also free of cost to you the following fine roses: 1 Crimson Rambler, finest climber; 1 Prairie Queen, an old favorite; 1 General Jacqueminot, nothing better; 1 Madam Plantier, large double white; 1 Black Prince, very dark red; 1 General Washington, very fine crimson. BETTER STILL. If money is remitted on or before Feb. 15, we will send you all the above list of vines, bushes, and roses, and besides free of cost, 50 Strawberries, two good kinds. The strawberry plants will be sent you by mail. The other goods by express or freight. NOW REMEMBER, the complete vineyard, the 100 Berry Bushes and Plants, the 25 Asparagus, and the 6 fine Roses all for \$2.48, all charges prepaid. A great and generous offer! Write quickly. DO IT TODAY. References: Iowa Trust and Savings or Capital City State Bank, both of this city.

IOWA NURSERY CO., 431 E. Locust St., DES MOINES, IOWA

SEEDS

Field, Garden, Flower. Fresh and reliable. Do not disappoint. Have you tried them? If not, try them now. My catalog tells about them. WRITE FOR IT, and secure SEEDS that BRING SUCCESS. High Grade Clover, Alfalfa, Timothy, Millet, Cane, Seed Oats, Seed Corn. Tell me your wants. I can fill them and please you. T. LEE ADAMS, 417 Walnut St., Kansas City, Mo.

Use of Manures.

(Continued from page 165.)

be the loss. If the manure has been carted and spread upon the land immediately after it is made, the spreading will cause the manure to cool and thus stop fermentation; besides, the rainfall would carry the soluble constituents into the soil, where they are needed for the use of plants. It does not follow, even though these statements are true, that farmers should not be careful as to how, when, and where the applications are made. If applied on steep hillsides, and upon frozen land in winter, the loss is likely to be much greater than if applied upon reasonably level land and when it is not frozen. Nevertheless, even here the losses are not likely to be as great as if left in the open yard.

It must be remembered, too, that the value of farm manure is not measured entirely by its content of the fertilizing elements, nitrogen, phosphoric acid, and potash, which directly increase the yield of crop, but it is also valuable because it contains vegetable matter which when applied to soil improves its physical character, making it more absorbent, more retentive of moisture and heat, and increases the tendency to decay of substance because harboring more comfortably those organisms which assist in making inert plant-food available. It is for this reason, too, that in general farming, particularly, it is much better to apply 6 to 8 tons per acre over a large area than 15 to 20 tons per acre over a small area, because beyond a certain point the indirect benefits derived from the application of vegetable matter are relatively less. In other words, by distributing the manure over a reasonably large area the indirect benefits of the organic matter in the manure are increased. It is also an important matter to have the manure evenly distributed rather than thrown in large chunks or small heaps over the land, for by the latter method the benefits are uneven and irregular. Many plants are overfed and others are underfed, and besides the indirect benefits are very materially reduced. In the case of market-gardening or other lines of "intensive" practise, where the purpose is to force a rapid growth, as well as to improve the physical character of the soil and encourage warmth in the early season, manures may be applied in the row, or in the hill, with very great advantage, as, for example, in the growing of sweet potatoes, white potatoes, and other crops upon light soils, where it is not only desirable to concentrate the supplies of food, but to provide a more favorable condition for the development of the crop. Under these conditions, too, if the crops are of high commercial value, the extra labor required in handling the manure, that is, in composting and reducing its bulk, while at the same time increasing the availability of the constituents, may be more profitable than to use the fresh or coarser products. This is another instance of the fact that the values of manures are dependent upon the kind and character of crop grown, as well as the kind of soil.

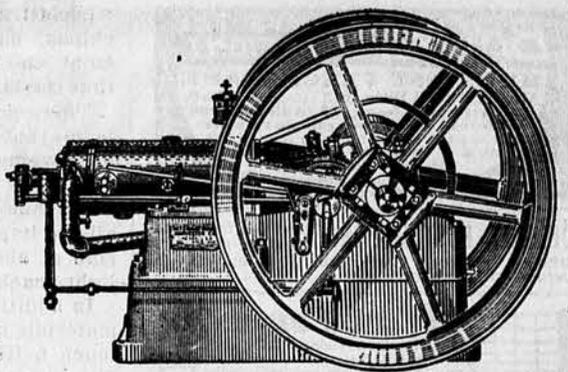
Farmers should also remember that all vegetable matter about the farm, such as straw, stalks, weeds, and growths of all sorts, do contain in a marked degree the valuable characteristic, organic matter, which, as has already been stated, is so important in improving both the physical character of both light and heavy soils, making the heavier ones more open and porous, and the lighter ones more compact and retentive. Hence, great care should be taken to gather up and use all of these various sources of supply. Many farmers allow their straw-stacks to rot down, when if the straw was cut up and used as an absorbent in the stables, it would add materially to the value of the manures from this standpoint, as well as preventing losses which now occur.

Points in a Manure-Spreader to be Considered.

PAUL C. ERNST.

Having had wide experience in the use of manure-spreaders, let me say that the first point to be taken into

How do you Shred Fodder—Grind Feed—Pump Water—Saw Wood—Shell Corn?



DO you do it in the old slow hand-power way, or do you do it up in a hurry with a gasoline engine?

The easy way, the cheap way, the quick way, and the labor-saving way, to do these jobs and many others on the farm is with gasoline engine power.

It will cost you but 5c an hour to run an I. H. C. gasoline engine generating three horse power. The engine is always ready when you want it—right when you want it—you don't even need to light a fire to start it. Just close the switch, open the fuel valve and give the fly-wheel a turn by hand—that's all.

It's so easy to start and to run; it is so simple an operation that before you've had one a month you will be using it for all sorts of things.

A gasoline engine is almost indispensable on the modern, up-to-date farm, but be careful when you buy. Some gasoline engines are better than others, and it will pay you to do a little investigating.

- Learn all about I. H. C. Engines.
- About their simple construction.
- About their strength and durability.
- How little fuel they use and

how they waste none.
—How easy it is to operate them.
—How much power they furnish.

I. H. C. gasoline engines are made in two styles and several sizes:—Vertical, 2 and 3 horse power. Horizontal (portable and stationary), 4, 6, 8, 10, 12, 15 and 20 horse power. Ordinary stove gasoline is used for fuel and there is no danger whatever.

Go to our local agent for a talk about power for the farm, or if this is not convenient, write for catalog.

INTERNATIONAL HARVESTER COMPANY OF AMERICA, CHICAGO, U. S. A.
(INCORPORATED.)

consideration, in my estimation, is the strength of the machine. There is no machine used on the farm that is put to a greater strain, and if the machine is not extra strong and well made it will not stand the strain. The beater must tear all the chunks into fine particles before it is spread. This is the valuable part of the machine. If it does not do this the machine is not what it should be, and to do this work under all conditions the machine must be extra strong.

When the manure-spreader came in-

to use in the Eastern States, the common style was the 40- or 50-bushel size. The machines at that time were lightly constructed, weighing about 1,500 pounds. When these machines were put into the Central and Western States, they were found wanting in strength.

In buying a manure-spreader a man should be very particular to see that he gets extra strong wheels, as the manure-spreader is ordinarily loaded with a heavier load than a farm wagon. In addition to carrying the load, the

rear wheels must also drive the apron and cylinder, and this certainly takes a great deal of strength in the traction power. Another thing which should be taken into consideration is that the machine be so arranged that the team may be brought as close to the load as on an ordinary farm wagon. It is a well-known fact that the farther the team is from the load, the harder it must pull.

It is with pleasure that I note the up-to-date machines are made with wide front axles so the front and rear



O. L. Chase
St. Louis, Mo.

I Am the Paint Man

2 Full Gallons Free to Try—6 Months Time to Pay

I Guarantee Freight Charges.

I AM the paint man. I have a new way of manufacturing and selling paints. It's unique—it's better. It revolutionized the paint business of this country last year.

Before my plan was invented paint was sold in two ways—either ready-mixed or the ingredients were bought and mixed by the painter. Ready-mixed paint settles on the shelves forming a sediment at the bottom of the can. The chemical action in ready-mixed paint, when standing in oil, eats the life out of the oil. The oil is the very life of all paints.

Paint made by the painter cannot be properly made on account of lack of the heavy mixing machine.

My paint is unlike any other paint in the world. It is ready to use, but not ready-mixed.

My paint is made to order after each order is received, packed in hermetically sealed cans with the very day it is made stamped on each can by my factory inspector.

I ship my thick pigment, which is double strength, freshly ground, in separate cans, and in another can, I ship the pure, old process Linseed Oil—the kind you used to buy years ago. Any child can stir them together.

I sell my paint direct from my factory to user? you pay no dealer or middleman profits.

My \$100.00 Cash Guarantee

I guarantee, under \$100 Cash Forfeit, that the paint I am offering you does not contain water, benzine, whitening, or barytes—and that my Oil is pure, old-fashioned linseed oil and contains absolutely no foreign substance whatever.

I guarantee the freight on six gallons or over. My paint is so good that I make this wonderfully fair test offer:

When you receive your shipment of paint you can use two full gallons—that will cover 600 square feet of wall—two coats.

If, after you have used that much of my paint, you are not perfectly satisfied with it in

every detail, you can return the remainder of your order and the two gallons will not cost you one penny.

No other paint manufacturer ever made such a liberal offer.

It is because I manufacture the finest paint, put up in the best way, that I can make this offer.

I go even further. I sell all of my paint on six months' time, if desired. This gives you an opportunity to paint your buildings when they need it, and pay for the paint at your convenience.

Back of my paint stands my Eight-Year official signed, iron-clad Guarantee.

For further particulars regarding my plan of selling, and complete color card of all colors, send a postal to O. L. Chase, St. Louis, Mo. I will send my paint book—the most complete book of its kind ever published—absolutely free. Also my instruction book entitled "This Little Book Tells How to Paint" and copy of my 8-year guarantee.

O. L. CHASE, The Paint Man.
Dept. 31 St. Louis, Mo.

NOTE—My 8 Year Guarantee Backed by \$50,000 Bond.

A Budget of Real Letters

FROM FARMERS
Telling Their Experiences with DIPOLENE
In Their Own Handwriting.

Here's a "Budget" of real letters written by farmers and stock-raisers in their own language and handwriting.

If you enjoy reading the actual experiences of your fellow farmers telling how they have battled and conquered scab in sheep.

How they have stopped disease among their hogs when they were dying off at a rapid rate; how they have rid their stock from ticks, lice, fleas, mange and eczema.

How they prevent these scourges gaining further foothold—this "Budget" will particularly interest you.

You will get a lot of valuable information that may be the means of saving you hundreds of dollars.

These letters were sent to us by farmers who have used Dipolene—that great germ destroyer, preventive and cure of all farm stock diseases.

They are actual, positive evidence that there's nothing you can get which will prove as good, safe and sure a means of keeping disease off your farm as Dipolene.

Dipolene is a pure coal tar preparation that is perfectly harmless—non-poisonous. It promptly cures scab, mange, eczema, etc.; kills lice, ticks, fleas, and when sprinkled around barns, sheds, pens, in troughs, etc., is a positive preventive of all stock diseases.

As a dip it is effective and economical. One gallon makes 100 gallons of strong solution. Will not discolor or injure wool or leathers and is beneficial to skin.

DIPOLENE

THE ONE MINUTE STOCK DIP

Is a remedy every farmer should have on hand and use occasionally. It's the best insurance against loss from disease you can get.

Let us send you this "Budget of Real Letters" to prove our claims. They are better arguments than ours—they are actual facts.

To convince you of its true merit without risk we allow you

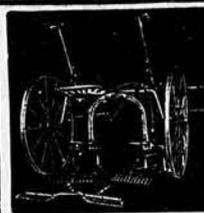
30 Days Free Trial!

Buy a can at your dealers

—if he does not handle it send to us direct—we pay the freight. Try it 30 days, if not as represented send it back at our expense. Isn't that fair?

You can't afford to risk loss by not taking advantage of this liberal offer.

Marshall Oil Co., Dept. E1, Marshalltown, IA

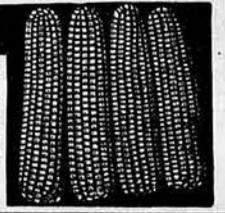


THE TOWER SURFACE CULTIVATORS

Raise this highest type of corn because the roots were not cut off

Will do fully as well for Cotton, Potatoes, Tobacco and Garden Truck. "The pulverizer and cultivator made for me 55 bu. per acre on 200 acres of corn. Neighbors with shovel plows got 25 bu. on same kind of land. H. M. Jackson, Modale, Iowa." Will increase yield. Easier on man and team. Made in three sizes—one, two or three horses—for cultivating one or two rows. Send for "Treatise on Corn Culture," FREE.

The J. D. Tower & Sons Co., 14th Street, Mendota, Ill.



DON'T BUY GASOLINE ENGINES

UNTIL YOU INVESTIGATE "THE MASTER WORKMAN," a two-cylinder gasoline, kerosene or alcohol engine, superior to any one-cylinder engine; revolutionizing power. Its weight and bulk are half that of single cylinder engines, with greater durability. Costs less to buy—less to run. Quickly, easily started. Vibration practically overcome. Cheaply mounted on any wagon. It is a combination portable, stationary or traction engine. SEND FOR CATALOGUE. THE TEMPLE PUMP CO., Mrs. Meagher and 15th Sts., Chicago. THIS IS OUR FIFTY-THIRD YEAR.

BROWN PAYS THE FREIGHT
HEAVIEST FENCE MADE
 All No. 9 Steel Wire. Well galvanized. Weights 15 more than most fences. 15 to 25¢ per rod delivered. We send free sample for inspection and test. Write for fence book of 188 styles. The Brown Fence & Wire Co., Cleveland, Ohio.

CEMENT POST MOLDS. Send for free catalogue describing different styles. Prices from \$5.00 up. C. L. Catherman, Elkhart, Ind.

Wire Fence 29¢
 48-in. stock fence per rod only. Best high carbon coiled steel spring wire. Catalog of fences, tools and supplies FREE. Buy direct at wholesale. Write today. **MASON FENCE CO.** Box 63 Leasburg, O.

FENCE STRONGEST MADE. Built strong chicken-tight. Sold to the Farmer at Wholesale Prices. Fully warranted. Catalog free. **COILED SPRING FENCE CO.** Box 285 Winchester, Indiana.

Stock & Poultry FENCE
 Many styles and heights; Diamond or Square Mesh; prices low. Sold direct on 30 days free trial, freight prepaid. Catalogue free. **KITSELMAN BROS.** Box 61, Muncie, Ind.

The only fence perpetually taut. The crimp in the wire does it. Can't sag, bulge or loosen from the tie wires. Made of high carbon, crimped, spring steel wire. Never needs repairs.
SHIMMER STEEL FARM FENCE
 requires only half the usual number of posts. Agents Wanted in every community to take orders for Shimmer fence. Permanent employment. Liberal profits. Permanent employment. Address nearest factory. Write for proposition. **Shimmer Wire Fence & Mfg. Co.** Box 210, Coffeyville, Kan. or **Spring Steel Fence & Wire Co.** Box 210, Anderson, Ind.

STRENGTH DURABILITY ECONOMY
 These are the characteristics of Page Fence. Strong because made of high carbon double strength Page Wire. Durable because it will spring and not break. Economical because it requires fewer posts, no repairs and lasts. Our catalog tells all about it. Write us. **PAGE WOVEN WIRE FENCE CO.** Box 781, Adrian, Mich.

Tubular Posts
 Last a Lifetime
 Manufactured by **THE M. K. FENCE COMPANY**
 St. Joseph, Mo.
 Write For Free Circular

\$10.00 Sweep Feed Grinder | **\$14.00 Galvanized Steel Wind Mill.**
 We manufacture all sizes and styles. It will pay you to investigate. Write for catalog and price list. **CURRIE WIND MILL CO.,** Topeka, Kansas.

A THRIFTY GARDEN
 whether large or small, needs proper tools for seeding and cultivating. We make garden implements of all kinds, a tool for every purpose.
MATTHEWS' NEW UNIVERSAL
 Hand Seeders and Cultivators
 singly or combined with Hoop, Plows, Rakes, Markers, etc. Over 20 styles. **FREE BOOKLET** giving description, prices and valuable information mailed to any address. Send for it now.
GARDEN TOOLS FOR EVERY PURPOSE
AMES PLOW CO., 42 MARKET ST., BOSTON, MASS.
 For sale by Harnden Seed Co., Kansas City, Mo.

Don't Eat Glucose.
 Use our Percolator (the family size and with the simple use of granulated sugar and cold water, make the purest and best syrup in the world, at a much less cost than you are paying for glucose or corn syrup. Operation perfectly automatic. Syrup cannot sour or crystallize. No waste. Price \$2.50. Write for full information.
Ever-Ready Syrup Percolator Co., 129 C. Monroe St. Chicago. Agents wanted.

wheels track. On the old-style machines, made twenty years ago, the front and rear wheels did not track, thus making heavy draught.

There probably is no machine on the farm that has gone through greater improvements than the manure-spreader. It has been strengthened up and is now made in a practical way, and with all the improvements the machines are sold at about the same price that the light machines were.

In addition to the improvements, the materials used in manure-spreaders are much better than they formerly were. There is no question but that a manure-spreader should have as good a pole as an ordinary farm wagon. In fact, all the materials used should be as good as are used in a farm wagon.

The time is coming when the farmer can not afford to be without a first-class manure-spreader. I consider that there is no machine on the farm that will make and save as much money for the farmer as a first-class manure-spreader.

What Will a Manure-Spreader Make a Year.

NOAH B. CHARLES.

The greatest value obtained from a manure-spreader, of course, is in the increased value of the manure. It has often been said that a load of manure spread with a spreader is equal to three spread by hand. It is more than probable that this statement is true. In fact it is hard to over-estimate the increased value of the manure when spread with a machine over that spread by hand. The increase is certainly sufficient to justify every farmer in getting a spreader.

The farmer who gets from \$4.00 to \$10.00 net per acre less than his neighbor out of his farm can not expect to prosper and keep abreast of the times. The tendency is toward progressive methods. The methods that were in vogue five or even two years ago will hardly suffice at the present time. The farmer should not be satisfied to handle his business affairs the same as his grandfather did, as we are now living in a different age.

No better example of the value of the barnyard manure can be given than the result of an experiment made by Ira L. Gray, Clifton, Iroquois County, Ill.

In 1905 he top-dressed 10 acres of meadow at the rate of 10 loads of manure to the acre, with a spreader. He harvested 35 tons of hay which he valued at \$10.00 per ton, making a valuation of \$350.00 for the crop.

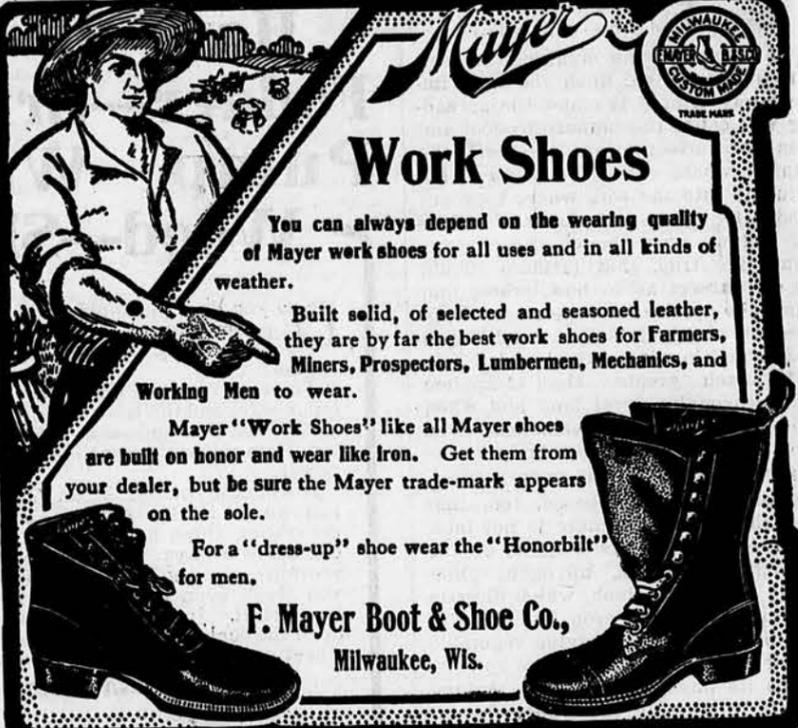
He top-dressed in the same field 10 acres of meadow at the rate of 10 loads of manure to the acre by hand. He harvested 27 tons of hay which he valued at \$10.00 per ton, making a valuation of \$270.00 for the crop.

This shows an increase of \$80.00 in machine-spreading over hand spreading.

When the manure is spread by hand there is a great loss, especially in top-dressing, for the reason that wherever a big chunk of manure is spread it is liable to kill the grass under it, and near its outer edges the grass will grow very high and strong, and if the weather be wet just before harvest this is liable to lodge. A foot from this chunk of manure there is liable to be no manure and, therefore the field is spotted, not producing a uniform crop. Where the manure is spread with a spreader, the machine sprinkles the manure out and covers almost every inch of the field with a thin layer like a blanket. It is almost impossible to spread the manure by hand and get on less than 10 or 15 loads per acre. It has been shown that it is a great deal better to spread from five to eight tons of manure per acre and cover more acres each year.

When we take into consideration that manure has certain influence on the soil, making it spongy so that it will retain the moisture and puts it in condition to throw out the plant-food, it really is not strange that there is such an immense gain. In the face of these facts there is only one conclusion, that the farmer must spread his manure with a spreader, that he can not afford to spread it by hand. He can better afford to pay 50 per cent

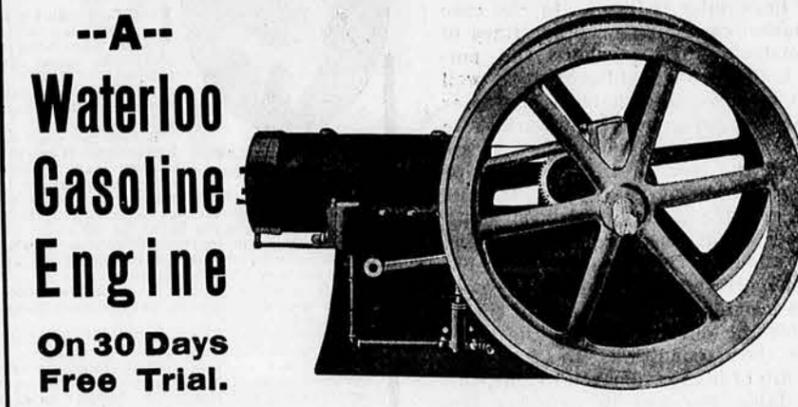
Mayer
Work Shoes
 You can always depend on the wearing quality of Mayer work shoes for all uses and in all kinds of weather.
 Built solid, of selected and seasoned leather, they are by far the best work shoes for Farmers, Miners, Prospectors, Lumbermen, Mechanics, and Working Men to wear.
 Mayer "Work Shoes" like all Mayer shoes are built on honor and wear like iron. Get them from your dealer, but be sure the Mayer trade-mark appears on the sole.
 For a "dress-up" shoe wear the "Honorbilt" for men.
F. Mayer Boot & Shoe Co., Milwaukee, Wis.



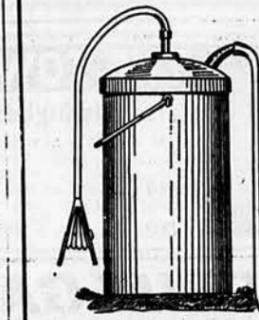
Before You Buy a Cream Separator
 You owe it to yourself to investigate
The Peerless
 Because: The Peerless is different from all others and its points of difference are in your favor.
 It is the only machine that has a combination of the Hollow and the Disc bowl. That means double capacity or a smaller bowl for the same amount of work. That insures easier turning, less wear, easier cleaning and better cream—it doesn't break the large fat globules.
It Skims to a Trace
 Write for free Catalogue, Guarantee and Special Terms.
Waterloo Cream Separator Co.
 115 E. 2d Street, Waterloo, Iowa
 Mention The Kansas Farmer.



--A--
Waterloo Gasoline Engine
On 30 Days Free Trial.
THE ENGINE MUST AND WILL SPEAK FOR ITSELF
 We will prove to you that the Waterloo engine is of the highest type and will give the best of service.
YOUR CREDIT IS GOOD WITH US. We have the means and will sell on credit to all responsible parties.
NO CONTRACT. NO ORDER SIGNING. Your word is as good as ours, and we will not ask you to make a deposit or execute a note. The trial is free, and the deal is to be square.
WATERLOO ENGINES ARE FROST PROOF AND CAN NOT FREEZE. Our catalogue fully illustrates a complete line of both water cooled and frost proof gasoline engines. We also make an excellent line of power and sweep feed grinders. Sell on same plan. Our prices will surprise you. If interested, write for catalogue.
Waterloo Gasoline Engine Co.,
 1014 3d Avenue West, Waterloo, Iowa.



Destroy the Gophers
 In Your Alfalfa Fields by Using
Saunders' Gopher Exterminator
 This apparatus forces a deadly gas through their runways and is warranted to kill gophers within 100 feet of operation. With it a man can clear from five to six acres of gopher-infested land in a day at a cost of twenty cents per acre. The poison we use can be gotten at any drug store. Satisfaction guaranteed or money refunded. Complete outfit for \$5.
Flint Saunders, Lincoln, Kans.
 Mention the Kansas Farmer.



Write Me A Postal For a Price

Say—"Quote me prices on your Split Hickory Vehicles." That's all you need to do. I will send you free my big 1907 Split Hickory Vehicle Book. It is bigger and better this year than ever before, and contains photographs of over 125 Split Hickory Vehicles—also photographs of a full line of high-grade Harness. I will quote you direct prices from my factory, which will save you from 30% to 50% on High-Grade Split Hickory Buggies.

I Sell Direct to You on 30 Days' FREE Trial

My big Buggy Book gives all kinds of buggy information—how high-grade buggies are made, how they are upholstered, how they are trimmed, how they are painted. It tells the whole buggy story.

Split Hickory Vehicles are guaranteed for two years. My 1907 Split Hickory Special Top Buggy has more exclusive features than any other buggy on the market—4 1/2 more.

I run one entire factory for the exclusive manufacture of this special buggy. All Split Hickory Vehicles are made to order, giving you choice of finish, and other options.

Write me a postal today—NOW, while you think about it.

Address me personally, H.C. Phelps, Pres. Ohio Carriage Mfg. Co., Station #1 Cincinnati, Ohio.



MORE CORN MONEY

INCREASE Your CORN PROFIT By Planting Sorted Corn



No idle ground; no missing hills; big yield sure when you sort your seed with this machine.

It all depends upon the stand

We want to show you how you can make more money out of your next season's corn crop. All you have to do is to make sure of a perfect stand—get a uniform number of grains in every hill.

We manufacture the ONLY machine that will sort your seed corn so evenly that your planter must drop a given number of grains every time.

"Morecorn" Seed Sorter does the work. It was put through the most critical tests at Iowa, Illinois and other state fairs. Thousands of corn growers sorted seed with it so perfectly that an edge-drop planter dropped 99 per cent PERFECT three kernels at each drop.

If you can get your corn fields planted like that next year won't it give you the biggest crop of corn that you ever raised? You can do it if you sort your seed corn with the "Morecorn" sorter. It can be done no other way.

No planter has ever been, or ever will be made that can drop an even number of kernels at a drop without the kernels being uniform in size. You cannot get uniform kernels without sorting your corn.

Don't think of planting corn again without investigating the work of the "Morecorn." It will pay for itself twice over every year and last a lifetime if taken care of.

Let us tell you more about it. Write us today.

THE MONARCH SELF-FEEDER CO., Cedar Falls, Iowa.

Wouldn't You Like

to have us show you the wonderful opportunities existing in the South, and how you could improve your present condition?

THE "Seaboard Magazine"

Devoted to the agricultural and industrial development of the South, will point out the many advantages of a location in our mild climate, where life would be a greater pleasure as well as profit by reason of being able to carry on work throughout the entire year. Why battle against the elements. If you want a stock or grain farm, a fruit farm, truck farm, where lands are fertile and productive, in fact, anything, and want it in Virginia, the Carolinas, Georgia, Alabama or Florida, the Magazine will assist you. Sent FREE on request, together with other handsomely illustrated literature descriptive of the south and its wonderful resources and progress.

Special low round-trip rates for home-seekers, prospectors and investors.

J. W. WHITE, General Industrial Agent, Portsmouth, Va., Seaboard Air Line Railway, Dept. "X."

for money with which to buy a machine. If this is not practical he might better pay \$5.00 per day for the use of a manure-spreader, but this will hardly suffice as it is better to spread the manure daily, for there is a tremendous loss if this is not done.

To get the greatest value from the manure it should be spread each day. Much labor can be saved by loading the manure directly into the machine from the stables or from the yard, and spreading as soon as it is filled.

Care and Use of Manure.

M. L. FISHER, ASSISTANT PROFESSOR OF AGRONOMY, PURDUE UNIVERSITY, LAFAYETTE, IND.

The theoretical value of a ton of manure is likely to differ somewhat from its practical value. For example, a ton of clover hay fed to mature fattening steers ought to return in the animal's excrement fertilizing elements worth about \$9.80; a ton of oats about \$7.65. As a matter of fact, no farmer ever has a ton of manure whose value based on its chemical composition is anything like the above figures. The average chemical composition of a large number of samples of average farm manure gives a value computed at 17 1/2 cents for nitrogen and 6 cents for phosphoric acid and potash of \$2.75.

In some experimental work by the Indiana Station the returns from applying ordinary manure in a certain series show it to be worth from 40 cents to \$4.00 for a single crop, and from 75 cents to \$1.50 where results from three crops have been obtained. In another series where a heavy application had been made and then cropped with continuous corn, the increased yield from thirteen crops gave a value of about one dollar per ton for each crop. It is well known that the effects of manure last a long time and, consequently, one or two crops does not measure its value.

Various factors operate to influence the value of manure. The food given young and growing animals has more of its nitrogen and phosphoric acid removed and built into the animal's organisms than that given to more mature animals. Consequently, their excrement is not so valuable as that from the maturer animals. The kind of food fed influences the quality of the manure. Evidently a ration of straw and corn-stover can not be converted into as rich manure as a ration of clover hay and oil-meal. The manurial elements in the bedding also add or subtract from the manure's value. Corn-stover possesses about twice as much fertilizing material as wheat straw. Besides the above factors it is evident that the season, kind of soil, and crop to which applied effect the returns derived from applying manure.

One important factor not discussed above is the care given the manure before applied to the land. The common way of throwing the manure out in a pile to be tramped in the mud by the stock and leached away by the rains is productive of great loss of plant-food. Besides, the fermentation in such a pile is destructive of nitrogen and humus. The Cornell Station showed that horse manure thrown in an unsheltered pile lost in six summer months 42 per cent of its fertilizing elements. The New Jersey Station showed that solid and liquid manure mixed, lost by exposure in 109 days 51 per cent of its nitrogen and phosphoric acid each and 61 per cent of its potash. Such care is certainly wasteful and manure kept under such conditions can not give very large increased yields. At the same time as the above experiment, the Cornell Station piled some mixed manure so that fermentation went on slowly, but the pile was not sheltered from rain. Under such conditions the loss of constituents was 9.2 per cent. Another pile handled so that it dried without fermentation lost practically nothing. Professor Frear, of the Pennsylvania Station, showed that it was more economical by \$2.50 per head in a period of six months to allow the manure from fattening steers to accumulate under them for two months at a time than it was to clean the stables daily and deposit in the ordinary way. This saving does not consider the labor in-

Amatite ROOFING NEEDS NO PAINT

DO YOU USE A ROOFING THAT REQUIRES PAINTING AND COATING?

If so, do you realize that the coating and painting will probably cost as much, if not more, than the first cost of the roof itself?

When you buy a roofing that has to be coated, you must consider the cost of maintenance as well as the first cost. If you do this, you will find that coated roofings cost you just about twice the original cost.



If you try to save money by not coating such roofs they will soon leak and rot away.

The best way out of the difficulty is to buy a roofing that requires no coating, such as Amatite. This Ready Roofing has a special mineral surface which makes painting entirely unnecessary. The first cost of Amatite is the whole cost.

After it is once laid on the roof it costs you nothing to keep up.

Furthermore, the price of Amatite in the first place is less than that of almost any other ready roofing. It is by far the lowest priced of the good ready roofings.

When you get prices don't forget to count in the cost of putting on paint every year, and you will be sure to come back to Amatite as the cheapest and best.

FREE SAMPLE Let us send you at once a SAMPLE of AMATITE and a Booklet of information about it. We want you to see how much better it is than the kind that has to be painted.

Address nearest office of the

BARRETT MANUFACTURING CO.,

New York, Chicago, Cincinnati, Cleveland, Philadelphia, Minneapolis, Kansas City, St. Louis, Boston, New Orleans, Allegheny.



THE BANNER RIDING ATTACHMENT

Will fit on any right or left hand wood or steel beam walking plow, lister, sod breaker, middle breaker or harrow. ALL OF THIS WITH THE SAME ATTACHMENT. A wrench all the tool for attaching. Is regulated by levers, same as a regular riding plow. Plow or lister may be adjusted to depth from 1 to 12 inches, and from 8 to 24 inches width. Lifts point out of the ground for moving. Made of malleable iron and steel; no wood or hard castings. 26-inch wheel with removable box, 2-inch oval tire, 1 1/2-inch solid steel axles, steel levers, pressed steel seat—the best of material used throughout. Weight complete 110 lbs., and will cause plow or lister to stay in as hard ground and do as good work as any riding plow or lister. 15.00 now in use. WE GUARANTEE EVERY ONE. Only \$15 from your dealer or delivered by us to your nearest station. We want an agent in every locality and we prefer men who use plows. Write for terms and full descriptions. THE IMPLEMENT AND MFG. CO., Coffeyville, Kans.

SAMPLE CREAM SEPARATORS FREE GIVEN AWAY



Interior View

Without Money and Without Price, No Deposit, No Note to Sign and Not Even Your Promise to Pay.

We Offer You Owners of Cows

A CREAM SEPARATOR that actually separates the cream from the milk by an automatic process that requires no ice, no chemicals, no labor and no extra machinery.

All realize the reckless extravagance and waste of butter fat, in caring for the cream and milk under the old process of crocks and pans. Besides the money loss of the old process, there is the back-breaking drudgery of washing pans and milk vessels, and the time consumed in this work that can profitably be devoted to other duties. Now the

PEOPLES AUTOMATIC CREAM SEPARATOR

will stop this loss of Cream, money and valuable time. ARE YOU KEEPING COWS FOR PROFIT? If they are not paying we can make them pay. If we can increase the quantity of your cream from 15 per cent to 20 per cent over your present yield, that means more dollars for you, doesn't it? DO YOU SELL YOUR CREAM? If we give it to you cool, fresh and sweet directly after it comes from the cow unaffected by chemical action, that means more dollars, doesn't it? DO YOU USE YOUR CREAM FOR DOMESTIC PURPOSES? If we improve the quality of your butter all the year through by giving you a harder, sweeter butter that will not stale or become sour, that means a great deal to you, doesn't it?

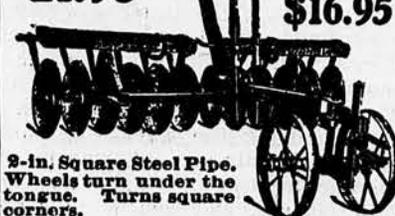
Remember It won't cost you a cent to take advantage of the above offer, as we will send one Cream Separator into each community absolutely free without money and without price. No contract to sign or note to be given, not even your promise to pay at this or any other time. WRITE TODAY, AS ONLY ONE PERSON IN EACH COMMUNITY WHERE WE HAVE NO AGENT MAY HAVE THE BENEFIT OF THIS FREE ADVERTISING OFFER. SEND US YOUR NAME AND THE NAME OF YOUR NEAREST FREIGHT OFFICE.

Peoples Supply Co., Dept. B, Kansas City, Mo.

12-16 Tongueless No Eveners \$21.95

12-16 Harrow only \$16.95

Tongueless Disc Harrow



3-in. Square Steel Pipe. Wheels turn under the tongue. Turns square corners.

No neck or side draft—no jerking or pounding of tongue. Pivoted truck adjustable up and down. Turns square corners—uniform depth. Can be attached to any of our Disk Harrows and many other makes. Send for full description and Big Free Catalogue, and tell us what you want when you write.

Hapgood Plow Co. 1327 Front Street, Alton, Ill. The only plow factory in the world selling direct to the farmer at wholesale prices.

FREE Our handsome Garden Annual and Seed Catalog. Send your address on a postal, with name of neighbor who is a seed buyer. For your trouble we'll mail you a packet of Flower Seeds. If you write before March 30th address Cole's Seed Store, Fella, Ia.

20 CONCORD GRAPE VINES
All healthy, vigorous, true to name. 50c due-bill and catalogue free. Freight paid on \$10.00 orders. FAIRBURY NURSERIES, Box 1, Fairbury, Neb.

Fruit Trees and Plants true to the name. guaranteed to live. Materially less than agent's price. Illustrated Catalogue Free. Box 20 CHATTANOOGA NURSERIES, Chattanooga, Tenn.

SEEDS As good as grown. 5 Pkts. Giant Cyclamen, Mammoth Verbena, Crimson California Poppy, Wagon Wheel and Gorse. 10 varieties Annual Flowers, all for 10c. 5 Pkts. Vegetables, 10c. Plants. 6 Rows. 25c. 6 Squashes, 25c. 5 Peaches, 25c. 6 Chrysanthemums, 25c. 4 Petunias, 25c. Catalog and Pkt. Royal Giant Peony free. A. G. ANDERSON, COLUMBUS, NEBRASKA.



LET US FURNISH YOU
our very low prices on grafted apple, budded peach, plum and cherry in all sizes; also evergreens, roses and ornamentals of all kinds. Catalogue free. Gage County Nurseries, Box A, Beatrice, Neb.

TREES THAT GROW
Apples 5c, Peach 5c, Plums 15c, Cherries 15c. Best quality good bearers, grafted stock, root seedlings. Concord Grapes 5c. Forest Tree Seedlings \$1.00 per 1,000 up. We pay the freight. **GERMAN NURSERIES & SEED HOUSE** CARL SONDREGER, Prop. of Vegetable and Farm Seeds. Our large illustrated catalogue free. **GERMAN NURSERIES, Box 9, BEATRICE, Neb.**

Square Deal Seed Corn
Hiawatha, Yellow, Dent, Boone Co. White; heavy root system; stalky stalks, broad leaves, short heavy tassels; bred and acclimated on up-land by **H. H. WEBSTER & SONS,** Corn Breeders, Burlington, Kansas. Catalogue, samples, prices, free.

5 UP All vigorous, healthy, true-to-name. No culls, extra choice for the grade. Thousands are ready to ship at wholesale prices. No poor, brush-heap stuff. High-grade stock only. Save 40 per cent commission. Catalog and premium offer free. **WICHITA NURSERY,** Box 15, Wichita, Kan.

SEED We can supply your seed corn wants with seed particularly adapted to the southwest—varieties that we have improved and perfected for this locality. We can also furnish your farm and garden seed needs with our tested seeds. Write for seed book and ask for our free Alfalfa Booklet. A postal will bring them. **ROSSE BROS. SEED HOUSE,** 314 E. Douglas Ave., Wichita, Kan.

A Tuber FREE We offer to our customers without charge a potato which recently sold in England for \$1,246 a single tuber. **OUR CATALOG** Our catalog (FREE) contains many varieties of vegetables which we were first to introduce. Of these we endeavor to keep a pure stock. All our seeds are tested. Plain instructions are given for cultivation. **J. J. H. GREGORY & SON,** MARLBOROUGH, MASS.

CLOVER Largest growers of Clover, Timothy, Grass, Oats, Barley, Corn, Speltz, Rape and Farm Seeds of all kinds in America. **FREE** Our mammoth 148-page Catalog is mailed free to all intending buyers; or send **8c IN STAMPS** and receive sample of perfect balance ration grass seed, together with Fodder Plants, Clovers, etc., etc., and big catalog free. **JOHN A. SALZER SEED CO.,** LA CROSSE, WIS.

GOOD SEEDS CHEAP BEST EVER GROWN
A wonderful big catalog FREE Full of engravings of every variety, with prices lower than other dealers'. Oldest reliable seed grower in America. No old seed. All fresh. They will grow or will refund money. Big Lot Extra Packages Free with Every Order. Send yours and your neighbor's address. **R. H. SHUMWAY, Rockford, Illinois**

involved in hauling the manure. The practise of allowing the manure to accumulate for a time is a practicable one for loose stock if there is plenty of bedding to keep them clean and absorb the liquids. The constant tramping keeps the manure solid and fermentation goes on slowly. However, when the stock are taken off, the stable should be cleaned at once and the manure scattered, for there is soon a big loss of nitrogen in the form of ammonia.

The ideal way of handling manure is to remove it to the field every day and spread on the land. In this way there is little loss by fermentation and what substance is leached out by rain is washed into the soil where it is taken up by the roots, or is chemically combined with other minerals in the soil. For this purpose there is no better way than the using of a manure-spreader. It will hold usually all the cleanings for a day and in some cases the cleanings for two or three days may be thrown into the spreader and then hauled out. Farmers everywhere have found the spreader an almost indispensable tool.

However, it is not always convenient to haul out and spread every day. The ground is frequently too soft to go on with a team and wagon, and often the field on which it is wished to apply the manure is occupied by a crop. Under such condition it becomes necessary to store the manure for some time. Few farmers will go to the expense of building a covered manure-pit with cement sides and bottom into which the liquid and solid matter may be kept solid and damp, but every one could have a concave area with cement, or stiff clay, bottom from which drainage would not take place. Into this the manure could be thrown in a rather deep pile, kept evenly spread, and packed down by the tramping of the loose animals, or otherwise. The tramping would prevent rapid fermentation and the rains would keep the pile sufficiently moist. It should be said in this connection that an effort should be made to save all the liquids by a liberal use of bedding. The liquids, weight for weight, are twice as valuable as the solids. Whatever method is resorted to for storing, the manure should be kept solid and damp and should be hauled to the field and scattered as soon as possible. It should be scattered at once and not be allowed to lie in piles for a week or even months. It should be spread evenly over the ground and here again the spreader will come into good use.

From experiments it seems that light applications frequently made are better than heavy ones made at longer intervals. At the Indiana Station application of two or three tons per acre for corn, wheat, and oats have given as good results as four to six tons. On a well-managed eighty-acre farm there ought to be easily every year 125 tons of manure to distribute over the land. At five tons per acre the entire farm could be covered once in three years and certainly this would be better than ten to fifteen tons once in six or nine years.

Where rotative farming is practised, the undecomposed manure should be applied to the crop having the most extensive root-system. In a rotation of corn, wheat, or oats, and clover, this crop will be corn. If possible apply the manure to the clover sod and fall plow. This enables the coarse part of the manure to get well soaked and be ready to decompose as soon as it gets warm in the spring and thus give off more of its plant-food the first year. Fall plowing permits the earlier preparation of the soil in the spring and the crop can be put in earlier. Where manure is spread in the late winter or spring, it usually keeps the land from drying off as quickly as land uncovered. It is not a very good practise to top-dress corn ground. Wheat and oats may be top-dressed or have the manure plowed under. The plowing under should be shallow and the furrow slice well packed down and pulverized.

In summing the whole proposition up there is only one safe way for the average farmer to handle his barn-yard manure, and that is to spread it each day as the manure is made,

or as often as it can be done. There are of course a few days or possibly a few weeks in the year when this will not be practical. If the fields are soft the manure can not be spread, but it does not happen often that there is more than a week or two at a time when the fields are too wet to go on with a manure-spreader, and if this does happen, as soon as the fields are dry the yards should be cleaned out and kept clean.

The question of getting the manure to the field and properly spreading it is of more importance than the place to put it, for the reason that manure deteriorates very fast if left exposed in the yards. A place can always be found to spread the manure, in the spring months, after the planting is done; the grain-crops can be top-dressed or the corn may be top-dressed. Where this is done it is always advisable to follow it up with the cultivator so as to mix the manure with the soil, as the corn-roots do not feed so near the surface. After the grain and corn are too high to top-dress, there may be a couple of weeks before harvest when you will be obliged to spread the manure on pasture. A thin coating of manure will not interfere with the pasture, and especially not after the first rain, so that really there is practically no time in the year but that a place can be found on the farm to spread the manure.

Horticulture

Fruit in the Northwest.
EDITOR KANSAS FARMER:—Since my letter to your readers of more than two years ago from this valley, I have passed through on the train several times, but until recently have not again come into direct contact with the wonderful development of the valley and especially its fruit lands. One can form but a crude idea of the work being done unless he visits the land in person. I do not care to speak of the growth of Medford itself. It is wonderful, it is true, and the character of the business buildings are now a guarantee of the permanency of the town. The same may be said of many another town in the far West, however, and it is not of the town I write. Business men, hunting opportunities to invest, will find few better towns than Medford.

The thing which impressed me most strongly when I was here before was the great diversity of the productions of this section, and the superlative quality of the fruits grown here. Since that time there has been a wonderful growth of the fruit industry, practically a cessation of grain-growing, the alfalfa-seed industry has been added to the valley's industries, the dairy-farm has come to the front, and the process of disintegration of the large holdings of early days is at hand. One of the things which now impresses me most strongly is the far look ahead which the people here are taking in educational matters. Here in Medford the second big brick schoolhouse is now nearing completion, and there are eighteen teachers busy instilling knowledge into as hardy and robust a class of pupils as are to be found anywhere in America. In the county-seat town of Jacksonville, only five west of Medford, another equally good school building gives employment to four teachers; while in the neighboring town of Central Point, four miles north of Medford, an eight-room brick schoolhouse is now about completed, which will house six departments immediately after it is finished, and everywhere throughout the valley a high grade of work is being done in the schools. It could not be otherwise, as the population of this section is almost exclusively native-born Americans from the older Mississippi Valley States, and the thing that brought most of them here was the incomparable climate and the fact that proper effort always brings returns here. With such scenic surroundings, such a balmy climate, and a valley adapted to the production of the finest fruits, it is not remarkable that

A BIG GARDEN
The year of 1906 was one of prodigal plenty on our seed farms. Never before did vegetable and farm seeds return such enormous yields.
Now we wish to gain 200,000 new customers this year and hence offer for 12c postpaid:
1 Pkg. Garden City Beet . . . 10c
1 " Earliest Hips Cabbage . . . 10c
1 " Earl's Emerald Cucumber 15c
1 " La Crosse Market Lettuce 15c
1 " 13 Day Radish . . . 10c
1 " Blue Blood Tomato . . . 15c
1 " Jolly Turnip . . . 10c
1000 kernels gloriously beautiful flower seeds . . . 15c
Total \$1.00
All for 12c postpaid in order to introduce our warranted seeds, and if you will send 10c we will add one package of Berliner Earliest Cauliflower, together with our mammoth plant, nursery stock, vegetable and farm seed and tool catalog.
This catalog is mailed free to all intending purchasers. Write to-day.
JOHN A. SALZER SEED CO., La Crosse, Wis.

SEEDS Mo. Valley Seed Co.
Established 1870.

The kind that produce results. Reliable northern grown, thoroughly tested and true to name. **Field, Flower and Garden.** Our specialties, Alfalfa, Clover and Timothy. Write for prices. Special Chick feed, Incubators, Poultry Supplies, all kinds. Write for big catalog free.
HORTICULTURAL SUPPLIES—We are the largest Horticultural Supply House in the west. **Target Brand Arsenate of Lead and Disparane,** a guaranteed exterminator of all leaf eating insects.
Target Brand Quick Bordeaux, Target Brand Scale Destroyer, Meyers Celebrated Spray Pumps, Empire King Spray Pumps, Chemicals, all kinds for spraying. Write for free catalog telling how and when to spray.

110 S. 4th St., St. Joseph, Missouri

Strawberry Plants that Pay to Plant are Kind We Grow

Our acreage this year is very large and we have a large quantity of first-class plants. Our fields were all under mulch early and we are sure we can furnish our customers with the very best plants possible. We also grow large quantities of other small fruit plants. Our new catalog is different from any catalog you have ever read. It contains valuable information to the fruit grower. It will pay every fruit grower to have a copy. It is free. Address **F. W. DIXON, Holton, Kans.**

VICK'S GARDEN AND FLORAL GUIDE FOR 1907 FREE. "OUR BEST SEED CATALOGUE"
JAMES VICK'S SONS
425 MAIN ST. ROCHESTER, N.Y.

FREE \$1 PREMIUM ONLY TO BUYERS OF STERLING SEED
FREE 132-Page Catalog
Write today for most interesting and reliable Flower, Vegetable and Field Seed Catalog published. Explains how, on page 2, buyers get 11 varieties of Flower and Vegetable Seeds, worth \$1—FREE.
NORTHRUP, KING & CO., 433 Hennepin Ave., Minneapolis, Minn.

SEEDS
All the best novelties and standard sorts of Garden and Farm seeds. Send for handsome, illustrated catalogue of Seeds, Plants, Poultry Supplies, Nursery Stock, etc., and special Bargain List of Vegetable and Flower seeds at 2 cents per packet and upwards. Mailed to you, if you mention this paper. **FREE**
IOWA SEED CO., Des Moines, Iowa.

SEED CORN
Ear or Shelled at Farmers' Prices. Selected, Butted, Graded, Tested.
GRAIN, GRASS, VEGETABLE SEEDS
J. B. Armstrong & Son, Originators of the Seed Corn Business. Catalog Free. Shenandoah, Iowa.

YIELD COUNTS
The Famous Hildreth Yellow Seed Corn, winner of first premium and sweepstakes at Hutchinson State Fair, and Corn-Breeders' Contest at Manhattan. Our corn won second in yield (103 bushels per acre) and the acre measured was not given any special treatment whatever. We have a large amount of good seed for sale. Write early for price. The Deming Ranch, J. G. Haney, Mgr., Oswego, Kans.

Flower Garden Seeds
Selected list. Varieties especially suited for attractive yard gardens and cut flowers. Good seeds. Popular prices. Price list free.
S. C. Piggott, Dept. D, Quincy, Ill.

HEALTHY TREES HONEST IN QUALITY WE PAY FREIGHT
Grafted apple 4c, budded peach 4c, budded cherry 15c. Concord grapes 25 per 100. Black Locust 25 per 1000. Complete colored cat. free. **Galbraith Nurseries, Box 22, Fairbury, Neb.**
294 Hidden Name, Friendship, 511c. Prize Envelope and all other kinds of CARDS and Premium Articles. Sample Album of Plant Cards and Elegant Premium List, all for 2 cents stamp. **OHIO GARD COMPANY, CALE, OHIO.**

To Get More Strength from Your Food.

WHEN the Bowels are filled with undigested food we may be a great deal worse off than if we were half starved.

Because food that stays too long in the Bowels decays there, just as if it stayed too long in the open air.

Well, when food decays in the Bowels, through delayed and overdue action, what happens?

* * *

The millions of little Suction Pumps that line the Bowels and Intestines then draw Poison from the decayed Food, instead of the Nourishment they were intended to draw.

This Poison gets into the blood and, in time, spreads all over the body, unless the Cause of Constipation is promptly removed.

That cause of Constipation is Weak, or Lazy Bowel Muscles.

When your Bowel-Muscles grow flabby they need Exercise to strengthen them, not "Physic" to pamper them.

* * *

There's only one kind of Artificial Exercise for the Bowel-Muscles.

Its name is "CASCARETS," and its price is Ten Cents a box.

So, if you want the same natural action that a six mile walk in the country would give you, (without the weariness) take one Cascaret at a time, with intervals between, till you reach the exact condition you desire.

One Cascaret at a time will properly cleanse a foul Breath, or Coated Tongue.

* * *

Don't fail to carry the Vest Pocket Cascaret Box with you constantly.

All Druggists sell them—over ten million boxes a year.

Be very careful to get the genuine, made only by the Sterling Remedy Company and never sold in bulk. Every tablet stamped "CCC." 741

few who come here ever leave permanently.

It seems to be the province of the fruit-growers of this valley to cater to the rich of other countries. Note the almost fabulous prices realized for the Spitzenberg and Yellow Newton apples which here find their highest development. Other fruit sections of the Northwest look upon the Rogue River Valley as being rather backward in booming, but I find here as good horticultural work being done as anywhere, and certainly the largest acreage of choice varieties. I am inclined to think, from the fruit on display at the local permanent exhibit building, that the valley is capable of producing the best fruit of any section in the Northwest. Table grapes, notably the flame Tokays, are as good as California ever produced, while late peaches, the only ones at hand during my visit, were the equal of any I ever saw. I am told the growers of the Blenheim apricot find here the best conditions for its production of any coast point, some young orchards of that variety having netted as much as five hundred dollars per acre in 1905.

It appears to be in the line of choice pears, however, that this valley leads. In the present condition of the world's markets, with the blight prevailing in so many former pear centers, it really looks as if the growers of this valley had a temporary monopoly. The allegation is made that this section is exempt from blight. Be that as it may, the blight has appeared a time or two in the valley and the growers have had no difficulty in controlling it. The men who have fortunes tied up in the orchards of the valley discovered some years ago that pears are one of the big winners in the fruit business and have planted great orchards, which are just now beginning to bear. It is claimed there will be no less than five hundred cars of pears shipped from the valley stations within the next five years, annually. I find they are distributed all over the East, Montreal, Canada having proved one of the best markets for that great standby, the Bartlett pear. The Eastern cities take the greater portion of the French pears, such as the Comice, the Bosc, and the Anjou. The winter Nells goes to the middle Western cities, but this year many have been sent to London, averaging the grower about two dollars per fifty-pound box. There are a number of pear orchards in this valley which have netted the grower in excess of five hundred dollars per acre this year.

Speaking of these enormous yields of fruit, reminds me of a citizen of Ohio who had been in the clothing business back there, a shrewd, sagacious man, to whom the fruitmen's talk was a Munchausen talk. To convince himself that he was hard-headed and to fend against any fruit enthusiasm that might be growing in his bosom, he made it his business to loaf around the commission men's headquarters in the coast cities, in order to get at the truth of the matter, for he had a natural longing for an orchard. He told me he got into the wrong pew, from his point of view, for the commission men made the returns bigger than the growers. He found out, incidentally, the size of the rake-off which the commission men always get from the producer's goods, and being a business man, and knowing that business methods would eventually be applied to the fruit-grower's management on the farm, he found himself more impressed with the possibilities of the orchard business, raising only the highest type of fruit and then marketing it in the modern style, and I see his finish, for he will surely before long own a Rogue River Valley orchard.

Aside from the pecuniary feature, there is a charm about the occupation which appeals to men in every line of business, and I find numbers engaged in the orchard line here who formerly were either engaged in trade or were mechanics. Men in every line of business here are developing orchards while carrying on their other business, taking advantage of the situation, some intending to sell when the orchards get near the bearing stage and some desiring homes and places where they can retire as age advances upon them. D. R. M. Medford, Oregon.



FOUR FREE

4 HARDY BLIZZARD BELT EVERGREENS

FREE

If you are not already acquainted with us we want to grasp your hand across the miles and introduce you to the The Gardner Nursery Company, Osage, Iowa. We are growers of Hardy "Blizzard Belt" nursery stock. We are Gardeners by name and "Gardeners" by occupation. We grow Hardy Trees. That is our business. We have been at it for nearly 40 years and are proud of our record. We expect to continue growing Hardy nursery stock for another 40 years and maybe longer. We grow our "Blizzard Belt" Evergreens in ten million lots. To advertise them and prove that they are healthy, well rooted and vigorous, we offer to send four fine sample trees 3 years old, free to a limited number of property owners. Mailing expense 5 cents, which send or not as you wish. A postal will bring them. Last year we distributed 500,000 of these sample evergreens and gained thousands of new friends. This year we have

RESERVED 600,000 TREES

for this free advertising distribution and if you want your share of them write at once for they will go fast. W. H. Gibboney, Mandan, North Dakota, writes: "Please accept thanks for the sample evergreens. They are doing fine." This is but a sample of thousands of letters. Our catalog containing 64 colored plates of our Hardy "Blizzard Belt" Fruits, Ornamentals, Evergreens, etc., with a mine of valuable information for fruit growers, is free for the asking. Write today.

The Gardner Nursery Company, 28 Nursery Ave., Osage, Iowa.

ALFALFA SEED Kansas grown. Highest award at St. Louis for best alfalfa seed in world. Crop of 1906. Also Cane and Millet. Macaroni Wheat and other Field Seeds in carload lots or less. Write for prices. McBETH & KINNISON, Garden City, Kans.

Kentucky Blue-grass Seed For a beautiful as well as a most profitable pasture sow Blue-grass. The genuine Kentucky seed is what you want, and from September until June is the proper time to sow. For pure seed of our own raising, and full particulars write MT. AIRY SEED FARM, PARIS, KENTUCKY. 66

SHAWNEE NURSERY CO., TOPEKA, KANS.
Fruit and ornamental trees, shrubs, small fruits, hedge plants, roses, bulbs, herbaceous plants, etc. We employ no agents. We sell direct to the planter at reduced prices. Send for catalogue and price list.

Western Seeds for Western Planters
The Barteldes Seed Company
Lawrence, Kans. Oklahoma City, Okla. Denver, Colo.
Complete Stocks of GARDEN, FIELD and GRASS SEEDS, Clipper Mills, Garden Implements, Fertilizers, etc. Write now for Free 1907 Garden Seed Catalogue.



TESTED SEEDS

Are the kind that grow—that can be depended upon to produce bountifully

OUR SEEDS ARE TESTED

And that is why they give such perfect satisfaction. Our big catalogue tells all about them. Its Free. You'll find it different from others; it contains no "windy" stories, no misrepresentations. It's a good, honest book and you'll like it; you'll like our way of doing business and you'll like our seed. If you want thoroughly tested seed—seed that will grow, send for our Catalogue. Do it now.

ZIMMERMAN SEED CO., 625 Quincy, TOPEKA, KANSAS.

Save Money on Oil
We Sell Premium Machine Oil at Less Than Half the Price You Now Pay.
Our Premium Machine Oil is sold at \$3.50 per barrel. Thousands are using it and find it all right. Every barrel guaranteed, and you be the judge. Other oils cost \$50 to 400 per gal.; ours costs \$3.50 per barrel. Freight rate is \$20 per barrel all points within 100 miles of Benedict, Kans. For each additional 25 miles add 2c.
After receiving and using 5 gal., if not satisfactory, return the balance, with bill of lading, and I will refund full price paid for said oil.
We Can Save You Money on Cylinder Oil. Write for Particulars.
T. C. Davis, Benedict, Kansas

Make More Money on Fruit Crops

Everyone who grows fruit, whether a large commercial grower, or one who has only a few fruit trees, a berry patch or a garden, should be interested in knowing how to get the most profit from his crops.

THE FRUIT-GROWER
ST. JOSEPH, MISSOURI

is the only magazine in America which is devoted exclusively to the interests of those who grow fruit. It is handsomely illustrated, and contains from 36 to 76 pages each month. It tells all about fruit of all kinds—and nothing but fruit—how to market, how to pack, cultivate, spray, prune, how to MAKE MORE MONEY from your crops. Sample copy will be sent free. Regular price is a dollar a year, and each subscriber is entitled to a choice of any one of our series of ten "Brother Jonathan" Fruit Books—the best in existence.

Three Months Free

We are so confident The Fruit-Grower will please you that we will send it to you three months absolutely free if you will mention paper in which you saw this advertisement. If, after three months, you like the paper, we will make you a special offer for twelve months more. If you don't like it, notify us and we will take your name off the list. The three months will cost you nothing. We offer Cash Prizes for new subscribers—write for particulars. Write your name and address in blanks below and mail to Fruit-Grower Co., Box A, St. Joseph, Mo.

FRUIT-GROWER CO., ST. JOSEPH, MO.
I accept your FREE three month's trial offer. At end of three months I will either pay for a year's subscription or notify you to stop paper. In either event there is to be NO charge for the three month's trial.

Name _____

Route or P. O. Box Number _____

Town _____ State _____

CLOVER New Crop IOWA GROWN Re-cleaned and Tested

Medium Red, Mammoth and Alsike Clover; also Alfalfa, Timothy, Blue Grass, etc., of superior quality. It will pay you to buy early this year. Ask for prices and one of our large, illustrated catalogs of farm and garden seeds. Mention this paper.
IOWA SEED CO., Des Moines, Iowa.

WELL DRILLING MACHINES

Over 70 sizes and styles for drilling either deep or shallow wells in any kind of soil or rock. Mounted on wheels or on sills. With engine or horse powers. Strong, simple and durable. Any mechanic can operate them easily. Send for catalog.

WILLIAMS BROS., Ithaca, N. Y.

ORANGE LILY cures Weakness, Ulcerations, Displacement, Painful Periods. For a free trial address Mrs. H. F. FRETTER, Detroit, Mich.

Stock Interests

Corn-and-Cob Meal For Horses.

Do you consider corn-and-cob meal good horse feed?

W. R. MACKLIN.

Washington County.

While the nutrient material in the cob itself is rather small, stockmen quite generally report favorably on the use of corn-and-cob meal, especially for the feeding of cattle.

The Paris Omnibus Company made some experiments in feeding corn and cob meal to horses, which were reported in 1893. Their results proved that it was more acceptable than pure cornmeal.

With plenty of good quality roughage, I do not believe I would advise the feeding of corn-and-cob meal to horses. If it is desired to feed corn only, it can be lightened by mixing a portion of bran with the ground corn.

G. C. WHEELER.

Dawley's Great Poland-China Sale.

In an invitation addressed to the Poland-China breeders of Kansas, Mr. F. A. Dawley, of Waldo, Kans., states the facts concerning his forthcoming sale so concisely well that we quote from it as follows:

"It is with an unusual feeling of pride that I invite you to my coming Poland-China Carnival. I verily believe I have a treat in store for you that we will all enjoy. I have felt the pressing demand for the better things in Poland-Chinas and have made the effort of my life to make this sale one to be remembered.

"Grand Chief champion at Missouri State Fair 1903 was the sensation at Illinois last fall with his get, five head shown, won first and third junior yearling class and second in senior yearling class standing next to the champion sow Louise of Oakwood.

"I have just this further clincher to offer you. For a limited time I will make a proposition to the first farmer owning a Galloway Spreader in every community whereby he can partly or entirely pay for his machine without a bit of work done.

"I have just this further clincher to offer you. For a limited time I will make a proposition to the first farmer owning a Galloway Spreader in every community whereby he can partly or entirely pay for his machine without a bit of work done.

"I have just this further clincher to offer you. For a limited time I will make a proposition to the first farmer owning a Galloway Spreader in every community whereby he can partly or entirely pay for his machine without a bit of work done.

"I have just this further clincher to offer you. For a limited time I will make a proposition to the first farmer owning a Galloway Spreader in every community whereby he can partly or entirely pay for his machine without a bit of work done.

"I have just this further clincher to offer you. For a limited time I will make a proposition to the first farmer owning a Galloway Spreader in every community whereby he can partly or entirely pay for his machine without a bit of work done.

"I have just this further clincher to offer you. For a limited time I will make a proposition to the first farmer owning a Galloway Spreader in every community whereby he can partly or entirely pay for his machine without a bit of work done.

"I have just this further clincher to offer you. For a limited time I will make a proposition to the first farmer owning a Galloway Spreader in every community whereby he can partly or entirely pay for his machine without a bit of work done.

"I have just this further clincher to offer you. For a limited time I will make a proposition to the first farmer owning a Galloway Spreader in every community whereby he can partly or entirely pay for his machine without a bit of work done.

"I have just this further clincher to offer you. For a limited time I will make a proposition to the first farmer owning a Galloway Spreader in every community whereby he can partly or entirely pay for his machine without a bit of work done.

"I have just this further clincher to offer you. For a limited time I will make a proposition to the first farmer owning a Galloway Spreader in every community whereby he can partly or entirely pay for his machine without a bit of work done.

"I have just this further clincher to offer you. For a limited time I will make a proposition to the first farmer owning a Galloway Spreader in every community whereby he can partly or entirely pay for his machine without a bit of work done.

"I have just this further clincher to offer you. For a limited time I will make a proposition to the first farmer owning a Galloway Spreader in every community whereby he can partly or entirely pay for his machine without a bit of work done.

"I have just this further clincher to offer you. For a limited time I will make a proposition to the first farmer owning a Galloway Spreader in every community whereby he can partly or entirely pay for his machine without a bit of work done.

"I have just this further clincher to offer you. For a limited time I will make a proposition to the first farmer owning a Galloway Spreader in every community whereby he can partly or entirely pay for his machine without a bit of work done.

"I have just this further clincher to offer you. For a limited time I will make a proposition to the first farmer owning a Galloway Spreader in every community whereby he can partly or entirely pay for his machine without a bit of work done.

"I have just this further clincher to offer you. For a limited time I will make a proposition to the first farmer owning a Galloway Spreader in every community whereby he can partly or entirely pay for his machine without a bit of work done.

"I have just this further clincher to offer you. For a limited time I will make a proposition to the first farmer owning a Galloway Spreader in every community whereby he can partly or entirely pay for his machine without a bit of work done.

"I have just this further clincher to offer you. For a limited time I will make a proposition to the first farmer owning a Galloway Spreader in every community whereby he can partly or entirely pay for his machine without a bit of work done.

"I have just this further clincher to offer you. For a limited time I will make a proposition to the first farmer owning a Galloway Spreader in every community whereby he can partly or entirely pay for his machine without a bit of work done.

"I have just this further clincher to offer you. For a limited time I will make a proposition to the first farmer owning a Galloway Spreader in every community whereby he can partly or entirely pay for his machine without a bit of work done.

"I have just this further clincher to offer you. For a limited time I will make a proposition to the first farmer owning a Galloway Spreader in every community whereby he can partly or entirely pay for his machine without a bit of work done.

"I have just this further clincher to offer you. For a limited time I will make a proposition to the first farmer owning a Galloway Spreader in every community whereby he can partly or entirely pay for his machine without a bit of work done.

"I have just this further clincher to offer you. For a limited time I will make a proposition to the first farmer owning a Galloway Spreader in every community whereby he can partly or entirely pay for his machine without a bit of work done.

"I have just this further clincher to offer you. For a limited time I will make a proposition to the first farmer owning a Galloway Spreader in every community whereby he can partly or entirely pay for his machine without a bit of work done.

Peek A Boo, the greatest prospect out for a senior yearling next fall; Perfect Daisy, sweepstakes sow at Kansas State Fair 1906; May Queen, first prize under six months gilt at Kansas State Fair 1906.

Is not this enough to stamp this a great offering? But aside from these there are ten by Perfection E. L. Dolly is the greatest Perfection E. L. sow that will be sold east or west this year. She is safe to S. P.'s Perfection. Every one is worthy of special mention. Chief's Gem by Chief Perfection 2d.; Queen of Hearts by Perfection E. L.; Meddler's Fancy by Meddler and Elsie Keep On by Keep On are all extra tried sows, and all safe for March litters to Grand Chief.

"Seal Skin, by Top Chief, is pronounced the best sow ever sired by him, and topped C. E. Ogg's open gilt sale. Others equally good are sired by Keep Ahead, Grand Chief, On and On, Chief Perfection 2d, Proud Perfection, Nonpareil, Meddler, Corrector 2d, Perfection I Know, Perfect Challenger, Next in Line, Corrector, etc.

"The best way to get one of these great sows is to come to the sale. I'll take good care of you."

Watson, Woods Bros. & Kelley's Sale.

We want to especially call the attention of our readers to Watson, Woods Bros. & Kelley Company's annual sale of imported stallions. This firm inaugurated the selling of strictly first class imported stallions at auction one year ago. While the prices realized at that time only averaged \$1,150, still the firm was satisfied and believed that a little education would convince the people that this was the way to buy them and that in the future where sales were conducted as their sale was conducted last year, strictly on the square, that the prices would be a little bit stronger for a good horse.

They are offering this year on February 26 and 27, 60 head comprising 35 Percherons, 20 English Shires, 5 Royal Belgians, and 1 Oldenburg Coach stallion. The Percherons all run black but six. There are five yearlings, fifteen 2-year-olds, and the balance 3- and 4-year-olds. From a personal inspection of these horses we are free to say that they are certainly a very superior lot.

They have many coming 3-year-olds that will walk on the scales to-day in ordinary flesh and weigh from 1,800 to 1,900 pounds. They have one 4-year-old that will weigh 2,200 pounds and quite a number of strong ton horses. This is equally true of the Shires, and also the Belgians. In fact, we think there is no question but what this will be the grandest offering of imported stallions ever put under the hammer in the United States. It will be well for those contemplating purchasing a stallion to remember the date, February 26 and 27, and be on hand. The sale will be held in the new Live Stock Pavilion at the State fair grounds which will be nicely heated. Cars will run from Lincoln to the fair grounds on both days.

If you will write to Watson, Woods Bros. & Kelley Company, Lincoln, Nebr., they will send you their beautifully illustrated catalogue, showing the pictures of nearly half the horses to be sold.

They will also offer at the same time four imported mares, three of them with fillet colts at foot and one pair of home-bred mares. Two of these imported mares weigh a ton and over today. The other two are a matched pair of blacks, weighing 3,600 pounds. All four of them are heavy in foal to good strong ton stallions. This will be a great opportunity to buy good mares at reasonable prices. There being so few in the sale, it will not attract a large mare crowd and those who come will certainly derive the benefit.

Peacock's Poland-China Sale.

On January 12, at Sedgwick, Kans., W. R. Peacock held one of his sales of good Poland-China swine. Mr. Peacock had a streak of hard luck on sale day. The train which bore his two auctioneers was over two hours late and these officials did not arrive until long after the time set for the sale to begin. On this same train were a number of good buyers who had no time to inspect the stock before the sale. Then, the weather was very bad and many were prevented from attending the sale. In spite of all these disadvantages, however, Mr. Peacock had a good sale and disposed of the entire 34 head at an average of \$27. Some of the representative sales were as follows:

- 12. S. P. Prince, Moundridge \$31
2. F. L. Martin, Hutchinson 34
1. J. B. Myers, Canton 30
7. Jacob Dunkelburger, Newton 28
6. G. M. Heberder, Peck 38
4. C. J. Cox, Sedgwick 25
23. C. D. Odell, Sedgwick 28
11. J. B. Myers, 28
39. J. A. Roice, Mt. Hope 28
5. H. E. Smith, Sedgwick 32
18. J. A. Roice, 25
17. J. F. Bell, Newton 27
24. E. E. Potter, Sterling 25
16. E. E. Potter, 26
10. O. Beyhymed, Sedgwick 25
14. F. L. Martin, 37
3. A. B. Hoffman, Reese 36
9. C. J. Cox, 26
27. A. P. Wright, Valley Center 29
15. E. Trego & Son, Sedgwick 26
28. J. H. Smith, Sedgwick 30
13. L. E. Fife, Newton 34
8. L. E. Fife, 28

Steele Bros.' Herefords.

The awarding of the grand championship to Princeps 4th at the International, 1906, has brought Steele Bros., of Richland, Kans., into the limelight, for they enjoy the proud distinction of breeding this fine animal, and own the original Princeps at the present time. Princeps is now 11 years old, but is still breeding. He is a great bull and has the magnificent back that has made the Princeps type famous. He is by Lamplighter, out of a North Pole dam, and was bred by Gudgeff & Simpson. Princeps is the sire of a famous line of descendants. The results obtained have been largely brought about by

Williams' Shaving Soap



DON'T go on year after year using common soap for shaving, not only taking big risks, but robbing yourself of the comfort and ease and pleasure that would be yours if you used Williams' Shaving Soap. Made just for shaving by those who have learned by 60 years' experience just how to make shaving soap right.

"The only kind that won't smart or dry on the face."

Send 2c. stamp for a TRIAL CAKE of Williams' Shaving Soap, or 4c. for a Williams' Shaving Stick, trial size, enough for 50 shaves. Address

THE J. B. WILLIAMS COMPANY Glastonbury, Conn.

Williams' Shaving Stick

\$59.50

Direct From Factory To You

Backed By \$25,000 Guarantee.

Freight Prepaid

30 Days' Free Trial

Wagon-Box Manure Spreader



Fits Any Truck Saves You 50%

Only Endless Apron Force Feed Spreader Made.

JUST that: It's been a long time getting here—but I've got it.

The Only Endless Apron Force Feed Manure Spreader in the World.

The Only Wagon-Box Manure Spreader on the market.

Think of the combination!—Just the two things in a manure spreader the farmer has always wanted.

The wise ones said it couldn't be done. I've disappointed them.

First—they said a wagon-box spreader wouldn't work.—My hundreds of well satisfied customers have already stopped that talk.

Then—when it came to an endless apron force feed machine—they said, "impossible." Did you have free mail delivery, telephone or a cream separator ten years ago? Nothing is impossible! You will say so when you see how simple and how wonderfully effective my great new improvement is.

It is simply turning the spreading business right end to and giving the farmer a chance.

Every farmer can afford a Galloway Wagon-Box Spreader.

I want every farmer in the United States to own one.

That's why I sell it direct to you, saving you every cent. (Tell your neighbors.)

Right at the start I am selling this machine for \$59.50, freight prepaid. At retail it would cost you \$75.00. I also save you tying up \$50.00 to \$70.00 in a spreader truck useless eleven months in the year.

My guarantee is the broadest possible—I back it up to show you that I mean business by a \$25,000 legal bond.

Then to absolutely convince you I say, "try one of my spreaders for 30 days on my free plan."

Let me send you one to take out in the field to use, or abuse if you want to, for 30 days. If it's not worth more than my price—take it to the depot—ship it back—and I'll return your money.

Why not get everything that's coming to you out of your land? That manure heap outside of your barn will buy my spreader twice over for you.

Every farmer has been saying,—"I must own a spreader."

Forty-nine out of fifty say the old style horse-killing machine is too high in price. Isn't that a fact?

Now, I claim the Galloway is right in every particular.

Made in three sizes—capacity 50 to 60 bushels. Fits any truck.—narrow or wide tread. Lightest draft and simplest machine made and the work it does under all conditions is perfect.

Why not let me send you a machine—and let you be convinced by the machine itself, without sending me a cent? I'll do it today if you will write me.

I have just this further clincher to offer you. For a limited time I will make a proposition to the first farmer owning a Galloway Spreader in every community whereby he can partly or entirely pay for his machine without a bit of work done.

It's a strictly business proposition and will positively hold good only for the first few farmers buying. Either send in your check pinned to this ad, telling me the style of truck you use, or write me at once, postal or letter, so I can send you by return mail my free booklet. Address me personally.

WILLIAM GALLOWAY, President, WILLIAM GALLOWAY COMPANY

389 Jefferson St., Waterloo, Iowa. Ask me also for my large Farm Implement Catalog.

"THE ONLY WAY IS THE GALLOWAY—FROM FACTORY TO FARM."

Just Ask for Our SPECIAL PRICE On this CHATHAM Fanning Mill

Our answer will surprise you. Why? Well, there will be a lot of surprises. First, the price that we will quote you.

Second, the easy terms on which we will let you pay for the mill.

Third, the Chatham Fanning Mill will actually, clean, separate and grade (yes, sir, we said grade, and we mean it!) from 40 to 80 bushels per hour.

Its capacity is wonderful—its ease of operation is remarkable—its all-around usefulness and its importance as a profit-maker makes its owner wonder how he ever got along at all without a Chatham.

The Chatham Fanning Mill will handle all kinds of grain and seed. It tackles any job—it is

"death on weeds"—Takes buckhorn plantain out of clover—in fact, wipes out any kind of a weed pest by giving you pure seed grain.

It is equipped with 17 screens

and riddles—a patent bagging attachment which saves one man's time, and more special practical features than we have space even to name here.

Our idea is to build the Chatham so complete and perfect that the mill sells itself. We will ship you a Chatham Fanning Mill on 30 Days' Free Trial, freight prepaid, no matter where you live. Use it all that time, free, while you are making up your mind whether to buy it or not. If it doesn't do all we say it will, send it back at our expense.

We're not going to let you keep it if it doesn't do the work and do it right! Selling Fanning Mills on the plan we do—direct from our factory to the actual user—the very life of our business depends upon the satisfactory working of the mills we put out.

All we ask is that you try the Chatham and let it prove itself—let it show how it can quickly put its own cost back in your pocket and make a profit for you. The Chatham Fanning Mill isn't a luxury. It's a necessity! You need it on your farm right NOW.

Send for the Chatham Book FREE. It tells of over 100 ways to increase farm profits. Tells how to stop the losses and make every cultivated acre on your farm yield crops in abundance. It's a regular Bureau of Free Information on Grain, Breeding, Planting and Seeding. It tells everything in a mighty sensible interesting way. Get it. Read it. Profit by it. Send promptly, postage paid, if you just ask for it with a postal card. If you live west of the Mississippi, write our Topeka office; if east, write to Detroit.

THE MANSON CAMPBELL CO. Ltd. Box 514, Topeka, Kas. 514 Wason Av., Detroit, Mich. We have 24 Branch Warehouses and make prompt shipments.

Dollar Package FREE

Man Medicine Free

You can now obtain a large dollar size free package of Man Medicine—free on request.

Man Medicine has cured thousands upon thousands of weak men. Man Medicine will cure you; restore you to full strength.

Man Medicine cures vital weakness, nervous debility, early decay, discouraged manhood, blood poison, brain fog, backache, prostatitis, kidney and bladder trouble and nervousness.

You can cure yourself at home by Man Medicine, and the full-size dollar package will be delivered to you free, plain wrapper, with full directions how to use it. The full-size dollar package free, no payments of any kind; no receipts; no promises; no papers to sign. It is free.

All we want to know is that you are not sending for it out of idle curiosity, but that you want to be well, and become your strong, natural self once more. Man Medicine will do what you want it to do—make you a real man.

Your name and address will bring it; all you have to do is to send and get it. We send it free to every discouraged man. Interstate Remedy Co., 1468 Luck Bldg., Detroit, Mich.

breeding a type. The cows of this famous herd are of the very best, and only those calves which were of the true Princeps type have received the Princeps name and number. By these methods this famous family has been established, and easily ranks among the first on account of their splendid beef qualities. Steele Bros. have some of the richest stuff in this country. They have some heifers that are way up on quality. Every one of them is fit for the show-ring. H. R. Smith, professor of animal husbandry of the State Agricultural College of Nebraska, recently purchased Queen Bess, one of the finest heifers in the herd, at a long price. She was calved May 7, 1905, and is a double Princeps cross. Professor Smith pronounced this fine heifer one of the most perfect individuals of the breed. Steele Bros. have some fine young bulls and heifers of this noted strain to sell. Are one desiring the best should give them a call.

of inspection. All stock is true to name, is sturdy, vigorous, hardy, ready to grow. Mr. Schell has a valuable premium offer which he sends with his catalogue. Both are free.

Making Money on the Farm.

The money-making farmer is the one who knows where to get good seeds—seeds from which he can get big crops. The John A. Salzer Seed Co., of La Crosse, Wisconsin, always has something new, something attractive, something valuable to offer in the seed line that no wide-awake money-making farmer can afford to be without.

Here's something to think about! 310 bushel Salzer's New National Oats per acre.

1,000 bushel Pedigree Potatoes per acre.

14 tons Billion Dollar Grass and Teosinte per acre.

300 bushel Home Boulder Corn per acre.

These are not extravagant statements, but sober, solid facts about what can be grown from Salzer's Seeds "that never fail," that you, Mr. Farmer, ought to think seriously about before planting time.

These seeds, as well as every kind of seed for the garden or farm, are listed in "Salzer's Seed Book," and the farmer who has any desire to be a money-maker will not miss the opportunity to secure a copy of this book free of charge and learn for himself about the wonderful bargains Salzer has to offer in Northern Grown Pedigree Seeds.

Don't fail to write to-day to the John A. Salzer Co., La Crosse, Wisconsin.

A \$500 Farm.

Yes, a real farm and a house to live in for only \$500, and good, tillable land that produces abundant crops in a section close to large markets.

Perhaps this is not possible anywhere except in "Old Virginia," but it's a sure enough fact there. Not a large farm, of course, but 25 acres is enough for one man if he tends it properly.

And the tendency to-day is to smaller tracts worked "intensively" as they say at the Agricultural Colleges.

There are thousands of men to-day working for wages, in shops and offices, who would be better off to look up this proposition and get to work for themselves; and their families would be infinitely better off.

Nor is it necessary to have the entire amount in hand when purchasing as easy terms of payment can be arranged to suit the circumstances of each purchaser.

Any of our readers who are interested in this paragraph should write to F. H. LaBaume, Agricultural & Industrial Agent, N. & W. Ry., Box E J, Roanoke, Va., for the two pamphlets:—"Back to the country" and "What \$500 will do in Virginia." They contain full description of these lands, maps, etc., and are gladly mailed to anyone. In writing please mention this paper.

The Chatham Incubators and Brooders.

One of the new industries of which Topeka may well feel proud is the branch office of the Manson-Campbell Co., of Detroit, Mich., which has recently been established here.

The Manson-Campbell Company is one of the largest manufacturing concerns in the world, and the reputation they have made as manufacturers of the world famous Chatham fanning mills is a sufficient guarantee that they will spare no pains in keeping pace with other concerns in manufacturing an incubator and brooder that will meet the demands of the most exacting poultry-raiser.

The Chatham incubators and brooders are sold on a positive guarantee that they are exactly as represented in their catalogue and they are sold on eighty-four days' trial. At the end of that time if the machine has not done satisfactory work or if it is not exactly as represented you return the machine and get

"Risk-Ran" Nursery Stock.

Every farmer needs to heed again the warning this spring concerning poor nursery stock. There are a lot of cheap dealers who give a great bundle of stuff for a mere "song." It is fit mostly for kindling fire in the range, or for the brush heap. Among other notable nurserymen who are exceptions to the above, is W. F. Schell, proprietor of the Wichita Nursery, Wichita, Kansas.

Mr. Schell was Commissioner of Horticulture for Kansas at the World's fair is vice-president of the Kansas Horticultural Society, and acknowledged to be one of the leading horticulturalists of the State. Mr. Schell won grand Prize at St. Louis for Kansas and is a man who can be implicitly trusted. Besides he has been in business 35 years in the state and has built it up by fair treatment and honest methods.

Mr. Schell does business direct with the buyer. Every order is inspected and its packing directed by Mr. Schell himself. He has no traveling salesmen or middlemen. Consequently the buyer gets the intermediate profits and high-class stock. This commission amounts to about 40 per cent. Thus a dollar's worth of stock bought of the Wichita Nursery will not be about 60 cents worth. Every plant, tree, shrub, etc., is sold at these wholesale prices. Each shipment is guaranteed free from disease and accompanied with certificate

Paint Buying Made Safe

White Lead and Linseed Oil need no argument, no advertising to maintain themselves as the best and most economical paint yet known to man. The difficulty has been for the buyer to be always sure of the purity of the white lead and oil.

This trade mark on the side of a keg means strictly Pure White Lead manufactured by the Old Dutch Process.

It is the hall mark for quality and purity.

This trade mark is for your protection as well as our own. Since (with the exception of one State) it is no crime in law to brand a keg of anything that looks like white lead, we have registered the trade mark of the Dutch Boy Painter to be the same final proof of quality, genuineness and purity to paint buyers everywhere as the sterling mark is to silver buyers. The care and knowledge heretofore necessary to be sure of securing Pure White Lead is now simplified down into knowing this boy.



NOTICE
The use of this new trade mark was begun Jan. 1, 1907. All our standard brands of white lead packed since that date bear it.

We Have Published a Book

It is handsomely printed, and illustrated by the celebrated artist, Henry Hutt. It is full of practical suggestions and helps to the intelligent use of paint. We will gladly mail a *de luxe* copy to anyone interested in paint. A postal card request will answer. Address

NATIONAL LEAD COMPANY

in whichever of the following cities is nearest you:

- New York, Boston, Buffalo, Cleveland, Cincinnati, Chicago, St. Louis, Philadelphia (John T. Lewis & Bros. Co.), Pittsburgh (National Lead & Oil Co.)

The CANADIAN West is The Best WEST



THE testimony of tens of thousands during the past year is that the Canadian West is the best West. Year by year the agricultural returns have increased in volume and value and still the Canadian Government offers 160 acres free to every bona fide settler.

GREAT ADVANTAGES

The phenomenal increase in railway mileage—main lines and branches—has put almost every portion of the country within easy reach of churches, schools, markets, cheap fuel and every modern convenience. The ninety million bushel wheat crop of this year means \$60,000,000 to the farmers of Western Canada, apart from the benefits of other grains as well as from cattle.

For literature and information address Superintendent of Immigration Ottawa, Canada, or the authorized Canadian Government Agent,

J. S. CRAWFORD 125 W. 9th St., Kansas City, Mo.

Tame the Wildest Horse in One Minute!

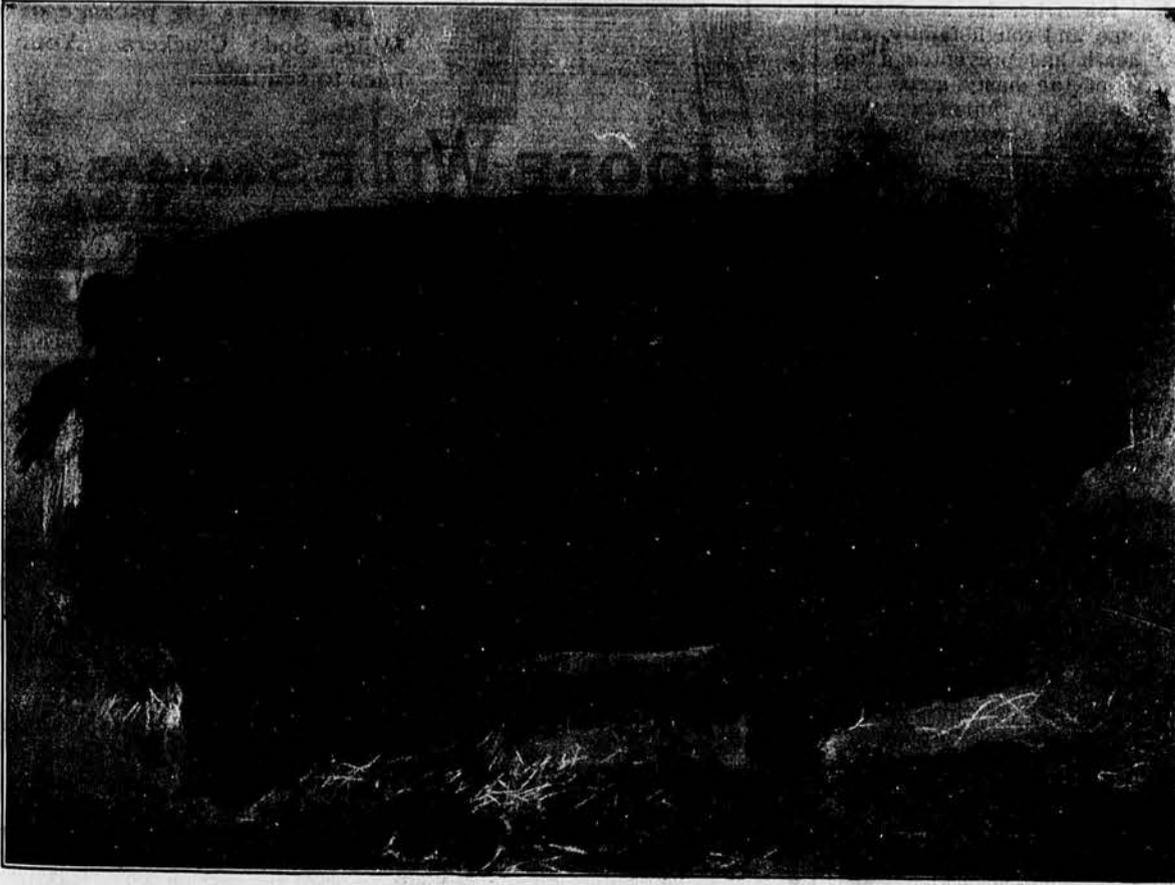
YOU can do this by using the mysterious and wonderful Arabian Method. You can tame and subdue instantly the most vicious and ill tempered horse and without the possibility of failure. Send us \$2 and we will teach you the Arabian Method, as used in Arabia for centuries, in ONE LESSON, giving you the secret and full and complete instructions. Easy to understand and extremely simple in operation. YOU CANNOT FAIL. You will excite the wonder of your friends who will consider you a wizard and you can MAKE MONEY by giving exhibitions or treating valuable horses with bad tempers. We make a BUSINESS of furnishing information on ANY SUBJECT. If you want to know ANYTHING and can't find it in any book, catalogue or list, send us \$2 and we will TELL you or RETURN YOUR MONEY.

North American Information Bureau,

3802 Ellis Ave. Chicago, U. S. A.

FREE GOLD WATCH

This Watch has a SOLID GOLD LAPDASE ENGRAVED on BOTH SIDES. American Movement, fully warranted to keep correct time, equal in appearance to Solid Gold Watch. GUARANTEED 25 YEARS. We give it FREE to boys and girls or anyone selling only 50 of our handsome jewelry articles at 10c each. Send your address and we will send it free postpaid. When not used as a reward we will FORGIVELY SEND YOU ONE SOLID GOLD LAID HIGHLY ENGRAVED WATCH FREE of Charge. EAGLE JEWELRY CO., 21907 Denver, Colo.



Higgins Model 3251. Who made Geo. Briggs and Sons famous. A few gilts by this great sire who is now dead will be offered in their great sale at Clay Center, Nebraska, February 15, 1907.

Home Departments

CONDUCTED BY RUTH COWGILL.

A New Year's Wish.

Let me but live my life from year to year
With forward face and unreluctant soul,
Not hastening to, nor twining from the goal,
Not mourning for the things that disappear
In the dim past, nor holding back on fear
From what the future veils; but with a whole
And happy heart that pays its toll
To youth and age and travels on with cheer!
So let the way wind up the hill or down,
Though rough or smooth, the journey will be joy
Still seeking what I sought when but a boy,
New friendship, high adventure, and a crown,
I shall grow old but never lose life's zest,
Because the road's last turn will be the best.

—Henry Van Dyke.

The Coming American.

The American of to-day might be likened to the man in the parable, whose ground brought forth so plentifully that "he thought within himself saying, 'What shall I do. I have no where to bestow my fruits.'" This land is overflowing with good things, and new treasures are being opened up continually for the use and comfort of mankind. The old world is becoming full of the people of the earth, who need some of the good things; who need enlightenment, freedom, and opportunity to earn an honest living. God, who loves not only the American and rules the universe, is sending these to our shores. Who has a right to say nay, for "the earth is the Lord's and the fullness thereof." Can we Americans, a Christian nation close the doors in the face of these foreigners who, like our forefathers, are seeking a land of plenty for religious liberty and rest from persecution? Does it not seem selfish to the verge of hoggishness to say to these, "This is our America. There is no room for the foreigner," and like the man in the parable resolve: "I will pull down my barns and build greater, and there will I bestow my goods," saying to his soul "Soul thou hast much goods laid up for many years. Take thine ease, eat, drink, and be merry." This question of foreign immigration is creating a great deal of discussion, and like all such has more than one side to it. But it seems to me that as a Christian nation we have only one way to decide it and that is according to the way of Christ, which is according to the golden rule and the sermon on the mount.

This great wave of immigration that is pouring into our country has been called the scum of creation, and fear has been expressed that it would demoralize our nation. But according to Robert Watchorn, Commissioner of Immigration in New York City, it is only a small proportion of the company that consists of those who will not make good, honest citizens. Doctor Hillis, pastor of Plymouth Church, Brooklyn, who has traveled a great deal over the United States and has made a study of the subject, says, confidently, that they are the best and strongest who venture to our shores; and furthermore he asserts that this crop of immigrants is "the greatest and most unmingled good fortune that has come to the republic." It has been asserted that they make the slums of our great cities, but Doctor Hillis says they do not remain in the cities any longer than they need to earn enough to enable them to leave, when they push inland and become our laborers and farmers. Also Professor Wilcox, of Cornell University, who was at one time connected with the census office and has made a study of the question, adds his testimony by saying that fully 80 per cent of those who land on our shores go to the South and West.

Every summer comes the cry from farm and field, send us workers, and the crops are in danger of being damaged for need of men to care for them. Large wages are paid, and sometimes

Jails are robbed of their inmates that the crops may be cared for. The servant-girl question has been worn threadbare trying to solve the problem how to get domestic work done, and large wages and poor service are the only answers. God is trying to solve the problem by sending these sturdy men and women to us to help us and in turn to be helped by us from the abundance of our knowledge and wisdom and love, which we possess by reason of our greater advantages.

Last September a new naturalization law went into effect, which protects the ballot box as far as the foreigner is concerned, so that there need be no fear of illiteracy on that score. It provides that no one can become naturalized till he has resided five consecutive years in the United States, and if he leaves before the time is up, he loses the time spent to the time of leaving and must begin anew. Even then he can not become naturalized unless he is able to ask, in English, the court to naturalize him and be able to sign his own application in the presence of the court and furnish a certificate of landing from the Federal Bureau of Immigration and Naturalization.

America is like a city set upon a hill. All nations are looking toward her for example, for protection, and for help, and in the language of Mr. Watchorn, "from this land and from his institutions will go out a great light that will ultimately brighten the whole earth, not only industrially and commercially, but spiritually," if we do what is right and honorable with the coming American.

The Rainsford Sin.

FLORENCE SHAW KELLOGG.

"If you are a Rainsford, henceforth the sins of the Rainsfords are dear to me." It was thus the story ended, that simple love story the opening words of which attracted my attention as I turned over the pages of a new magazine, and I read on, half amused, half disgusted, until it closed.

It was quite an ordinary story of the quick wooing of a beautiful young girl whose ancestors were wholly unknown to the lover. In answer to his insistent pleading and his refusal to take her "No" as final, she told him that her mother was the only daughter of a family of noted outlaws, "very beautiful but deficient in intellect." A wandering artist, intoxicated by her beauty, had taken her far away from her wild home and rough family, and her early death had prevented a too great regret of the hasty step. But the daughter of that union was too honest to withhold the truth regarding her ancestry from her lover. "I am the daughter of that beautiful but weak-minded girl—the granddaughter of that terrible outlaw," she said. Her lover, instead of being repelled, answered, "If you are a Rainsford, henceforth the sins of the Rainsfords are dear to me." The readers of the story were left to believe that this was very noble of him, stamping him as an ideal man and lover. But was it so? Would it be so in real life? We meet just such cases as this in real life, else the story would not have been worth remembering or commenting upon, and this it was that kept me thoughtful long after the story was finished.

A QUESTION TO DECIDE.

The first impulse is to call him—the lover—noble, and to praise him for the strength and unselfishness of his love, but take time to think before you decide. Look down through the years and note the effect of such ancestry upon the children that would be born of this union. If among them, by the law of reversion that is so often seen expressed in families—that strange atavism at which scientists marvel and can not fully explain, by which a child of refined and worthy

"A Kalamazoo Direct to You"



Kalamazoo are fuel savers.—
They last a lifetime.—
Economical in all respects.—
They are low in price and high in quality.—
They are easily operated and quickly set up and made ready for business.—
Buy from the actual manufacturer.—
Your money returned if everything is not exactly as represented.—
You keep in your own pocket the dealers' and jobbers' profits when you buy a Kalamazoo.

WE PAY THE FREIGHT.

We want to prove to you that you cannot buy a better stove or range than the Kalamazoo, at any price.

We want to save you money in buying direct. If you think so

Send Postcard

ROYAL STEEL RANGE For All Kinds of Fuel.

Examine our complete line of stoves and ranges of the high quality; compare our prices with other actual manufacturers and save all middlemen's profits and sizes for all kinds of fuel. Write now. So

Kalamazoo Stove Co., Manufacturer

All Kalamazoo Cook Stoves and Ranges are fitted with the "Kalamazoo" Patent which makes baking and roasting easy. All ready for immediate use when



OAK STOVE HEATER, For All Kinds of Fuel.



get a big package of Loose-Wiles Sodas—the modern package crackers—crisp and snappy—wholesome and fresh, and packed to stay so.

Don't even look at the box crackers, made from no one knows what—and by who knows who.

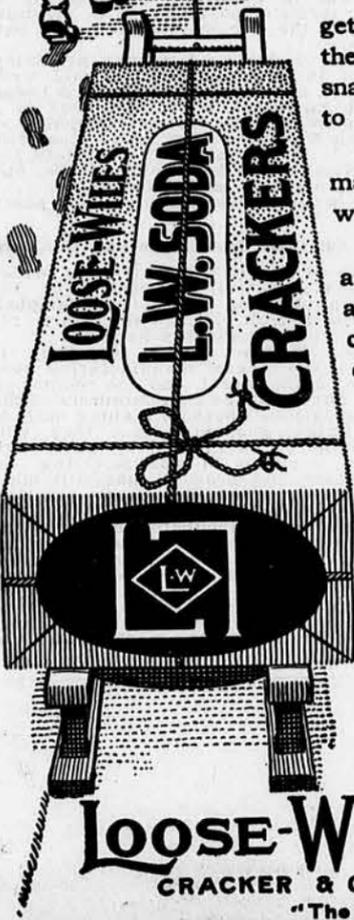
Of course, they're bulky, but when they are bruised and broken and crumbled in a paper sack and you stop to think it was crackers you wanted, anyway, and not crumbs, their bulk begins to shrink.

So—better say Loose-Wiles Sodas—the big 25c package, and get your money's worth of real crackers—crisp—clean—fresh—convenient.

Made by the Loose-Wiles modern method of baking—from soft winter wheat flour—wholesome—nutritious.

Fresh to the last in their Triple Protection package.

Just say—a big package of Loose-Wiles Soda Crackers. Your dealer likes to sell them.



LOOSE-WILES KANSAS CITY U.S.A.
CRACKER & CANDY CO.
"The Modern Bakers"

WICHITA OIL GAS BURNER

Patent Pending



Adapted to any heating stove or furnace; using light crude oil for fuel; makes its own gas at half the cost of coal. Clean! Steady! Nonexplosive! No coal to carry in; no ashes to carry out. We install and guarantee this burner without cost to you.

We want district managers in every county in the United States. Call and see practical demonstrations at our office.

Wichita Oil Gas Burner Co.,
103 N. MAIN, WICHITA, KANS.

parents may be coarse, impure, and deeply, unworthy reproducing in its person the type of some far remote ancestor—if such a child should come to them, as by the law of heredity might easily be, then would the "Rainsford Sin" be "dear" to the father? Could he hold himself guiltless for making it possible that his child should have this evil heritage?

It might have been—nay, it was noble and good in him not to hold the daughter responsible for her parents' sin and so shut her out from any good that might be hers. It was right to give her, as far as possible, an equal chance with others for "life, liberty, and the pursuit of happiness;" in short to take her at her true value as a woman, an individual, and as much as could be to let "the dead past bury its dead." And yet—and here is the tangle—with the strange baffling intermingling of the threads of life and destiny that so often meets and perplexes us until we scarce know what is right and just, it is not right that she should be put in a way to transmit the dark shades that mingled in her blood; not just that she should bring children into the world so heavily handicapped with inherited evil, not knowing if the inherited good—that gift of God in which each child born into life has some part, be it much or little—would be strong enough to overcome it.

It is here the question grows too large for easy solving; this that makes the taking of the marriage vows a matter of such deep and sacred importance. If the husband and wife alone were concerned, if they could think only of themselves as they stand at the altar, it would be different. But children are the legitimate fruit of marriage, desired and welcomed with joy by all true men and women, and they who choose their life mates without thought of the children that are to be as the result of this choice are very culpable, unworthy of the sacred names of father and mother. It is this that forbids any light thought or assumption of the "Rainsford Sin." We say this one or that one should not be held responsible for the deeds of those gone before him; that he, or she, should be judged only by what he is of himself, not by what his father or his grandfather was. What is past is past. The "books may close over" and the individual be left free to make his way in life with others, with no shadow from the past darkening his pathway, and we mean what we say. We try to live up to it in all our intercourse with him, but granting all this, it is still true. One should think much and deeply before assuming the weight of a crime-laden ancestry, and once accepted, everything possible should be done to lessen its effects upon future generations, with the hope that in time it may be overcome and too deeply buried for resurrection.

It is surely never a thing to be "dear" to any one, though it be true that "We rise by the things that are under our feet." It is better for us all if the shadow there be not too dark or direful; better, infinitely better, if the foundation stones of our family life be "hewed to the line" squarely and laid in truth and holiness.

Far be it from me to advocate any feeling of "I am holier than they," but an ancestry of fair women and noble men is a "goodly heritage," one in which we may feel a just pride and for which we should be very grateful. This should be our legacy to our children. When we give them less than this, we rob them of what is their just right and should not hold ourselves blameless therefor.

CARELESSNESS OF PARENTS.

The careful husbandman will see to it that the calves, pigs, and colts, yes, even the ducks, turkeys, and hens in his possession shall all be of good breed and birth. He will select the parents of each very carefully and make all the conditions of pre-natal life as perfect as possible, and will feel richly repaid for all his thought and care in the results that follow. He would not think of doing less than this for them, but why does he stop here? Knowing, as he does, of the great benefits to be

gained in this way, why is he not as wise and thoughtful in regard to the human child, the child of the home, as he is in regard to the child of the barnyard? No "Rainsford Sin" would be condoned or transmitted there. It is only with the child that we are careless and unthinking, and yet, we love the child a thousand times better than aught else. We know its worth and importance to the home and to the world. There is no father or mother at all worthy of the name who would not give his or her life for the child if need be—more than that, he will give long, long years of unremitting toil and self-denial for it and not count it too much. Then why will he not give more thought and wiser care that all may be the best that can be in the beginning? Why does he not see and use the better way in the home as he does in the barn? He will teach his son the right way there, but will he slip one word to him about the right way in human life? He will tell him of the need that the animal sire should be strong and good in every way, but will he impress his boy's mind with the need of being pure and true, strong and good in his physical, mental, and moral being, and of choosing a mate of like kind? In short, will he make him feel the need of thinking as much about his own increase as of the increase among his stock? Will the mother, though she be ever so careful to keep the Brown or White Leghorn or Plymouth Rock strain pure and healthy, say aught to her daughter about keeping herself pure and of mating only with purity and manly worth? Oh, the strangeness of these things! Tell me why! Tell me why! Though the little children in our midst be the richest, holiest of God's gifts to man, one that inspires our hearts with love and fills us with all noble desires and ambitions, yet there is nothing about which we are so careless and unthinking—nothing where we do so little to make all as it should be. In the vast majority of cases the coming of the child is with no wise forethought or provision; no planning and selecting that its heaven-given right to be well born be fulfilled, as is the case with the humbler children of the barnyard. Oh, the pity of it! Oh, the shame that it should be! Will we never learn the better way? Never rise to the level of our high responsibilities, the understanding of our sacred privileges here?

Oh, men and women think! think! think! and again think! think! think of these things; put your thoughts into actions and let them bear fruit in the improved conditions of the lives of your children and your children's children. Know you not that parenthood is a "partnership with God," and that the greatest love and wisdom should be exercised by all who would "help God fashion an immortal soul?" The child of the barnyard may perish with the day, but your child lives on and on while eternity endures, and your mark upon it—the impress of your thought and action—can never be effaced. It is a fearful thing to be careless here.

Edward Bellamy told us, "Our power over the unborn is that of God, and our responsibility towards them like His towards us." And he added, "As we discharge our duty to them, so may He deal with us." How many of us dare honestly to pray thus? How would it fare with us should we do so and be taken at our word?

Highland Park College, Des Moines, Iowa.

Last half of school year beings February 19, 1907. There are two full quarters of twelve weeks each yet in this school year. New classes will be organized in all Preparatory, Normal and College work, also in all departments of Engineering, Pharmacy, Music, Oratory, Commercial, Shorthand, Pen Art and Telegraphic Courses. Students can enter at this time quite as well as at the beginning of the school year.

"A man can't help evil thoughts from coming into his mind, but he can prevent them from developing into a purpose."



Simpson-Eddystone
Silver Greys

Dress goods which were worn by your grandmother, and approved for their quality. Steadily improved for over 60 years. Some designs have a new silk finish.

Ask your dealer for Simpson-Eddystone Silver Greys.
Three generations of Simpsons have made Simpson Prints.



PRINTS The Eddystone Mfg. Co. (Sole Makers) Philadelphia.

LINCOLN BUSINESS COLLEGE

THE FARMER BOY of today is the successful business man of tomorrow. A business college education is the key to success. If obtained at the proper school it can be easily and quickly acquired.

OUR SCHOOL has graduated hundreds of young people during the past few years and they are in good paying positions. We will help you succeed.

Write for catalogue 33. It is free.

Thirteenth and P St., LINCOLN, NEBRASKA

The University of Kansas

.....Lawrence, Kansas.....

Equipment of grounds, buildings and apparatus now valued at \$1,325,000.

Campus of 170 acres; thirteen large buildings with a \$100,000 Gymnasium in course of erection. Seven Schools: Graduate; The College; Engineering (civil, electrical, mechanical, mining, chemical); Fine Arts, Law, Pharmacy and Medicine.

FACULTY OF 90 GIVE FULL TIME TO INSTRUCTION.

Over 100 eminent specialists lecture before the students of Medicine.

SEVENTEEN HUNDRED AND SIX STUDENTS IN 1905-06.

Catalogue and other information may be had by addressing

The Chancellor or Registrar, Lawrence, Kansas

Whitmore Business College

St. Joseph's Best School. Equipment unsurpassed. Endorsed by the prominent business and professional men of the city. Positions secured for graduates. Catalogue free. By our plan you can live here cheaper than at home.

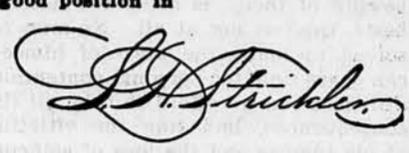
A. R. WHITMORE Principal - - ST. JOSEPH, MO.

Topeka Business College

The School that always gets you a good position in

**BOOKKEEPING
SHORTHAND
TELEGRAPHY
CIVIC SERVICE or
PENMANSHIP.**

Address



TOPEKA, KANSAS.



Established in 1879; thousands of students employed; the most thorough instruction; fine catalogue free.

E. E. GARD, Prop., 311 Edmond St., St. Joseph, Mo.

961 Annual Enrollment

POSITIONS SECURED or tuition refunded.

Car Fare Paid by the school. Send for full information and free catalogue. State course desired.

Allen Moore Chillicothe, Mo.

C. W. PECKHAM, President.
Haven, Kans.

R. R. BEALL, Manager,
Kansas City, Mo.

The National Grain & Elevator Co.

Receivers and Shippers of Grain.

This Company is conducted on the cooperative plan by the Independent Cooperative Elevators. We are the terminal for Farmers and Independent Elevators and solicit your membership and patronage.

ARE YOU POSTED

on the recent development in the Grain Trust investigation by the Interstate Commerce Commission? IF NOT, ASK US. Why don't you farmers fight the Trust? We will help you, if you will help yourselves.

DO YOU KNOW

that the President of the Kansas City Board of Trade admitted in his testimony at the hearing of the Interstate Commerce Commission that they had boycotted The Independent Farmers' Terminal Co.?

The National Grain & Elevator Co.

Kansas City, Mo.

References—The Editor of this paper.

STANNARD'S PROCESSED CRUDE OIL Kills Lice and Curra Mange. There is no Remedy on the Market as Good or as Cheap.

It not only kills all lice on cattle and hogs, but all mites, and one application does the work. Does not injure hair or skin. Can be used in vats or with brush. Also kills lice or mites on chickens. Put up in new 52-gallon barrels and sold for \$5 per barrel. I have used nearly all dips on the market and I say to you, from experience, this oil is better and more effective than any of them. Why pay \$50 per barrel when you can get a better article for \$5? I also sell a heavy Pure Crude Oil as it comes from the well that is a good lubricating oil, 52 gallons for \$3.50; an excellent grease to keep plow-shares and cultivating-shovels from rusting. Try these oils and you will always use them. When ordering, state plainly whether you want the Processed Oil or the Pure Crude. Send remittance with order. C. A. STANNARD, Emporia, Kans., Sunny Slope Farm. Please mention Kansas Farmer.

The Young Folks

Young Women's Christian Association.

Any Young Woman who is planning to come to Topeka, will find peculiar advantages at the rooms of the Young Women's Christian Association, 628 Jackson Street. Rest rooms, reading room and lunch room are at the disposal of all women at any time. A boarding house directory is kept at the rooms, and also an employment bureau, free of charge. On each Sunday afternoon, at 4:15, a gospel meeting held to which all women are invited. The first week of October is the time set for the opening of the club work, and the classes in Bible Study, in English, Parliamentary Law, Sewing, Water Color and Travel. The Gymnasium also opens then, with classes in Physical Training under a competent instructor. The printed announcements will be mailed on application to the General Secretary. A cordial invitation is extended to out-of-town women, especially to make use of the rooms.

Spare a Few.

If of dollars you have many,
Spare a few
To the chap who hasn't any.
It will do
More to brighten all your day
Than the coin you laid away.
Kindly actions always pay—
Spare a few.

If the sunbeams find you out,
Spare a few
To the man with gloom about—
You'll not rue,
For the gladness that we know
Out to other folks should go.
Sunbeams smile for all; and so,
Spare a few.

—A. J. Waterhouse, in Sunset Magazine.

Lincoln's Self-Control.

The keynote of the President's young life had been persevering industry. That of his mature years was self-control and generous forgiveness. And surely his remark on the night of his second election for President, that he did not think resentment "paid," and that no man had time to spend half his life in quarrels, was well borne out by the fruit of his actions. It was this spirit alone which made possible much that he was able to accomplish. His rule of conduct toward all men is summed up in a letter of reprimand that it became his duty, while he was President, to send to one young officer accused of quarreling with another. It deserves to be written in letters of gold on the walls of every school and college throughout the land:

"The advice of a father to his son, 'beware of entrance to a quarrel, but, being in, bear it that the opposed may beware of thee,' is good, but not the best. Quarrel not at all. No man resolved to make the most of himself can spare time for personal contention. Still less can he afford to take all the consequences, including the vitiating of his temper and the loss of self-control. Yield larger things to which you can show no more than equal right, and yield lesser ones though clearly your own. Better give your path to a dog than be bitten by him in contesting for the right. Even killing the dog would not cure the bite."

It was this willingness of his to give up the "lesser things," and even the things to which he could claim an equal right, which kept peace in the cabinet, made up of men of strong wills and conflicting natures. Their devotion to the Union, great as it was, would not have sufficed in such a strangely assorted official family, but his unflinching kindness and good sense led him to overlook many things that another man might have regarded as deliberate insults, while his great tact and knowledge of human nature enabled him to bring out the best in people about him, and at times to turn their very weaknesses into sources of strength. It made it possible for him to keep the regard of every one of them. Before he had been in office a month it had transformed Secretary Seward from his rival into his lasting friend. It made a warm friend out of the blunt, positive, hot-tempered Edwin M. Stanton, who became Secretary of War in place of Mr. Cameron. He was a man of strong will and great endurance, and gave his department a record for hard and effective work that it would be difficult to equal. Many stories are told of the disrespect he showed the President and the cross purposes at which they labored. The truth is that they understood each other perfectly on all important matters and worked together through three busy, trying years with ever increasing affection and regard. The President's kindly humor forgave his

secretary many blunt speeches. "Stanton says I am a fool?" he is reported to have asked a busybody who came fleet-footed to tell him of the secretary's hasty comment on an order of little moment. "Stanton says I am a fool? Well"—with a whimsical glance at his informant—"then I suppose I must be. Stanton is nearly always right." Knowing that Stanton was "nearly always right," it made little difference to his chief what he might say in the heat of momentary annoyance.—St. Nicholas.

Lincoln the Athlete.

Young Lincoln's bodily vigor stood him in good stead in many ways. In frontier life strength and athletic skill served as well for popular amusement as for prosaic toil, and at times, indeed, they were needed for personal defense. Every community had its champion wrestler, a man of considerable local importance, in whose success the neighbors took a becoming interest. There was not far from New Salem, a settlement called Clary's Grove, where lived a set of restless, rollicking young backwoodsmen with a strong liking for frontier athletics and rough, practical jokes. Jack Armstrong was the leader of these, and until Lincoln's arrival had been the champion wrestler of both Clary's Grove and New Salem. He and his friends had not the slightest personal grudge against Lincoln; but hearing the neighborhood talk about the newcomer, and especially Offut's extravagant praise of his clerk, who, according to Offut's statement, knew more than any one else in the United States, and could beat the whole country at running, jumping, or "wrestling," they decided that the time had come to assert themselves, and strove to bring about a trial of strength between Armstrong and Lincoln. Lincoln, who disapproved of all this "wooling and pulling," as he called it, and had no desire to come to blows with his neighbors, put off the encounter as long as possible. At length even his good temper

was powerless to avert it, and the wrestling match took place. Jack Armstrong soon found that he had tackled a man as strong and skillful as himself; and his friends seeing him likely to get the worst of it, swarmed to his assistance, almost succeeding, by tripping and kicking, in getting Lincoln down. At the unfairness of this Lincoln became suddenly and furiously angry, put forth his entire strength, lifted the pride of Clary's Grove in his arms like a child, and holding him high in the air, almost choked the life out of him. It seemed for a moment as though a general fight must follow; but even while Lincoln's fierce rage compelled their respect, his quickly returning self-control won their admiration, and the crisis was safely passed. Instead of becoming enemies and leaders in a neighborhood feud, as might have been expected, the two grew to be warm friends, the affection thus strangely begun lasting through life. They proved useful to each other in various ways, and years afterward Lincoln made ample amends for his rough treatment of the other's throat by saving the neck of Jack Armstrong's son from the halter in a memorable trial for murder. The Clary's Grove "boys" voted Lincoln "the cleverest boy that had ever broke into the settlement," and thereafter took as much pride in his peaceableness and book-learning as they did in the rougher and more questionable accomplishments of their discomfited leader.—Helen Nicolay, in St. Nicholas.

Anecdote of Lincoln.

Abraham Lincoln, before he moved to Springfield, was postmaster in a small Western town. The office was poor, and Lincoln was poorer than the office. It was known that he was very hard up, and it was also known that the Washington agent was in town, to collect the little sum due the General Post-office. A friend, thinking Lincoln might be embarrassed, came down to the office to loan him the sum necessary to meet the demand. Lin-

A Food to Work On

Work! Work!! Work!!!

Lots of energy is needed to keep up the pace. In the struggle, the man with the strong body and clear brain wins out every time.

The man of to-day needs something more than mere food; he needs a food that makes energy—a food to work on.

Although some people may not realize it, yet it is a fact, proved and established beyond doubt, that soda crackers—and this means **Uneeda Biscuit**—are richer in muscle and fat-making elements and have a much higher per cent. of tissue-building properties than any other article of food made from flour.

That this is becoming known more and more every day is attested by the sale of nearly 400,000,000 packages of **Uneeda Biscuit**, the finest soda cracker ever baked. An energy-giving food of surpassing value—sold in a package which brings it to you with all the original flavor and nutriment perfectly preserved. *Truly the food to work on.*

Whoever you are—whatever you are—wherever you work—**Uneeda Biscuit.**

NATIONAL BISCUIT COMPANY

5¢

FREE! My Book About Curing DEAFNESS AND EYE DISEASES AT HOME

I have published a new 128 page book which tells of a method by which people who are willing to devote fifteen minutes of their time each day for a month or two, following my instructions, can cure themselves without leaving home or visiting a doctor, of Deafness, Head Noises, Catarrh of the Nose, Throat and Head; Catarracts of the eyes, Granulated lids, Sore eyes, Pterygiums, Films, Wild Hairs, Eye Strains or any weakness or disease of the eye, ear, nose or throat. This book gives the causes and symptoms of each disease. It tells you not only how to cure these diseases, but how to prevent blindness and deafness.

I want to place one of these books in every home in the United States. Write me a letter or a postal card and tell me your disease and you will receive this grand book and my opinion free of charge, and learn how people from every state in the United States are restoring their sight and hearing at home by this new method.

I want no money for this neither does it place you under any obligations to me whatever. I simply desire to show and prove to you how easy it is to get perfect sight and hearing by my method. Write to me today.

Address

DR. W. O. COFFEY

572 Century Bldg., Des Moines, Iowa

We Will Pay Men \$85 Per Month to travel, collect names, advertise and give away samples. Expenses advanced. Write today. H. C. Rider Company, Chicago.

No More Blind Horses For Specific Ophthalmic Sore Eyes, Bandy Co., Iowa City, Ia., have a

In thanked him, and said he did not need any loan. While the two were talking, the gentleman came in. The man due was less than \$100. Lincoln went to his desk and took out an old pocket and turned the coin on the table. It was counted out and met the demand exactly. Well it might, for it was not only the exact amount due, but the identical money itself that Lincoln had taken in: old-fashioned six-dollars, pistareens, six-pences, old-fashioned cents, and all were there. "I never use money that belongs to other people," said Lincoln, and that resolution did much toward making him President of the United States.

Club Department

OFFICERS OF THE STATE FEDERATION OF WOMEN'S CLUBS.

President.....Mrs. May Belleville Brown, Salina
Vice-President.....Mrs. L. H. Wishard, Iola
Secretary.....Mrs. N. I. McDowell, Salina
Treasurer.....Mrs. W. D. Atkinson, Parsons
Editor.....Mrs. H. B. Asher, Lawrence
Director.....Mrs. Grace L. Snyder, Cawker City

Our Club Roll.

Excelsior Club, Potwin, Kansas, (1902).
Women's Literary Club, Osborne, Osborne County (1902).
Women's Club, Logan, Phillips County (1902).
Domestic Science Club, Osage, Osage County (1902).
Ladies' Social Society No. 1, Minneapolis, Ottawa County (1888).
Altitude Club, Highland Park, Shawnee County (1902).
Lutes Club, Phillipsburg, Phillips County (1902).
Greatest Club, Ford, Ford County (1903).
Fair Valley Women's Club, Iola, Allen County (1902).
West Side Forestry Club, Topeka, Shawnee County (1903).
Straight Club, Grant Township, Reno County (1902).
Progressive Society, Rosalia, Butler County (1903).
Sassaparilla Club, Wakarusa Township, Douglas County (1899).
The Lady Farmer's Institute, Marysville, Marshall County (1902).
Women's Country Club, Anthony, Harper County (1902).
Richardson Embroidery Club, Madison, Greenwood County (1902).
Ladies Reading Club, Cawker City, Mitchell County (1903).
Sunflower Club, Russell, Kansas.
Sunflower Club, Perry, Jefferson County (1902).
Aldean Club, Sterling, Rice County (1904).
Well Reading Club, Osage County.
The Mutual Helpers, Madison, Kansas (1906).
West Side Study Club, Delphos (1906).
Domestic Science Club, Berryton, Shawnee County (1906).
Mutual Improvement Club, Vermillion, Marshall County (1902).
Australia Reading Circle, Nemaha County.
All communications for the Club Department should be directed to Miss Ruth Cowgill, Editor Department.

Clio Club of Columbus.

One of the most pleasant afternoons of a year of splendid meetings was enjoyed Monday by the Clio ladies, at the home of their president, Mrs. Hamilton. The roll-call this year is a very important feature of each program. Monday afternoon, magazine cover designs was the subject, and each member had a beautiful specimen. Concerning most of them there was an interesting story, a weird allegory, or a pleasing ensemble. Papers on Stewart and Benjamin Nest, the illustrations which always accompany this work, were given by Smith Baldwin and Mrs. C. E. Lett. This was followed by the reading of the afternoon, three-minute upon "Women Who Achieve," a member taking part in her turn. The response by Mrs. Hoover is as follows:

AS TO THE WOMEN WHO ACHIEVE,
The sweetest lives are those to duty—
These deeds both great and small
These knit strands of an unbroken thread
These love ennobles all.
The world sounds no trumpets, rings,
The bells;
The book of life the shining record is."

ELIZABETH BROWNING.

There's to the mothers who in the most difficult conditions of society succeed in raising their daughters to womanly, healthful, pure, refined, and noble, their boys to honest, honorable manhood; to the women who, having no little ones of their own, take into their home the waifs, orphans, the unfortunate, and with the aid of natural affection, perform the same difficult task; to those, traveling life's road alone, lend their time and ability to the betterment of social conditions, that their

sisters' tasks may be the easier; to those dear souls too who endeavor and fail, through the laws of heredity or from improper environment, no less worthy are they than their more fortunate sisters; to those who teach the young and those other brave souls who go out to civilize the heathen, to teach all nations; to those who spend their hours in weary vigil, snatching from the jaws of death our loved ones; and who fight disease in all its forms and terrors in their own bodies or for others; to those who soothe the sorrows, dry the falling tear, and cheer, encourage, and ennoble their fellow man and women; to those who wear bravely the badge of widowhood, who fight in the commercial world, and who are the support and earthly stay of the weaker ones under their charge; to those who fight the foes of the household dirt, disorder, and weariness, who cook wisely, sew neatly, and entertain pleasingly—to one and all of that great band of women who, unheralded and unknown, in the simpler walks of life, quietly and uncomplainingly meet the widening demands upon their nature, made by husband, home, children, church and society, and to those illustrious ones who endure the martyrdom of fame, (for who may have fame save by the cross of calumny); to all of worthy womanhood in this vast world to-day, we fill to the brim the cup; and drink with hearts full of joy and with pride in the women who achieve."

The Little Ones

My Grandpa.

I love to hear my grandpa tell
About the time when he
Was just a little barefoot boy
About as big as me.

And how he walked through dark green woods
Beside a shady pool,
And stopped to catch a fish or two,
Which made him late for school.

And when the master's back was turned,
How silently he took
The rawhide down from where it hung
And threw it in the brook.

And when at night the wolves would howl,
He grew all cold with fright,
And yet he had to go to bed
Without a bit of light.

I don't believe that I'd been scared,
Because I'm built to fight;
But, just the same, I'm awful glad
That we've got electric light.
—Marie Louise Ward in the Detroit Free Press.

The Little Boy Lincoln.

Few boys and girls know what it is to be poor, as poor as this little boy, or to lead as hard and sad a life. His clothes were thin and poor, his shoes, when he had any, were often full of holes; he did not always have as much as he would like to eat, and in the long hard winters he was often very cold. It was not an easy life and it was full of hard work, for people in this rough place could not read and there were no schools; but when he was still a boy, his folks moved to Indiana and though there was more work to be done, life was not so sad, for he and his sister Nancy now had a playmate, their cousin, Dennis Hanks, who was full of life and fun. "Abe," as folks called him, was but eight years old when his parents went out into the West to live, but he was so strong that he could help chop down the trees of which the new home was made; then, too, he learned how to shoot the game and wild fowl in the big woods, and could bring good things into the house to eat. But a dark time came into his life soon, for the kind, good mother took sick and died.

His father hired him out for all sorts of work; no work was too hard for this big, strong boy; but, with all this work, he kept at his books too. Late at night, while all the rest slept, he would study his books; and as books were few he read them many times over. One of the books he loved the most was the "Life of Washington."

"If the devil comes and stays with you, it is because you make him at home and treat him well and are kind to him."

THREE EPOCHS IN A WOMAN'S LIFE



MRS. ELVA BARBER EDWARDS

There are three critical stages in a woman's life which leave their mark in her career. The first of these stages is womanhood, or the change from a care free girl to budding womanhood. The second is motherhood, and the third is Change of Life.

Perils surround each of these stages, and most of the misery that comes to women through ill health dates from one or another of these important crises.

Women should remember that Lydia E. Pinkham's Vegetable Compound made from native roots and herbs has carried thousands of young girls over the critical period of puberty, has prepared mothers for childbirth, and in later years carried them safely through the change of life more successfully than any other remedy in the world. Thousands of testimonials from grateful persons, two of which are here published, substantiate this fact beyond contradiction.

Mrs. George Walters of Woodlawn, Ill. writes:

Dear Mrs. Pinkham:—
"I feel it my duty to tell you of the good Lydia E. Pinkham's Vegetable Compound has done me in preparing for childbirth. After suffering and losing my children a friend advised me to try your valuable medicine, and the result was that I had very little inconvenience, a quick recovery and

During its long record of more than thirty years its long list of actual cures, entitles Lydia E. Pinkham's Vegetable Compound to the respect and confidence of every fair minded person.

Lydia E. Pinkham's Vegetable Compound Makes Sick Women Well.



MRS. GEORGE WALTERS

as healthy a child as can be found anywhere. Lydia E. Pinkham's Vegetable Compound is a blessing to all expectant mothers."

Mrs. Elva Barber Edwards, of Cathlamet, Wash., writes:

Dear Mrs. Pinkham:—

"I want to tell you how Lydia E. Pinkham's Vegetable Compound carried me through the critical period of the Change of Life without any trouble whatever, also cured me of a very severe female weakness, I cannot say enough in praise of what your medicine has done for me."

What Lydia E. Pinkham's Vegetable Compound did for Mrs. Walters and Mrs. Edwards it will do for other women in their condition. Every suffering woman in the United States is asked to accept the following invitation. It is free, will bring you health and may save your life,

Mrs. Pinkham's Invitation to Women.

Women suffering from any form of female weakness are invited to promptly communicate with Mrs. Pinkham, at Lynn, Mass. From the symptoms given, the trouble may be located and the quickest and surest way of recovery advised. Out of her vast volume of experience in treating female ills Mrs. Pinkham probably has the very knowledge that will help your case. Her advice is free and helpful.

\$31,500,000.00 at Risks 30,000 Members
The Farmer's Alliance Insurance Company
of McPherson, Kansas
We furnish insurance at cost; 15 years of successful business. Why carry your insurance with others when you can get it in this company at much less cost. Write for full particulars of our plan.
C. F. Mingenback, Sec., McPherson, Kansas

Hides Furs Jas. C. Smith & Co.
Topeka, Kans., St. Joseph, Mo.,
Wichita, Kans., Grand Island, Neb.
Ship your Hides and Furs to us, either of above places and get more than you expected for them.

SAM JONES' LIFE AND SAYINGS
BY HIS WIFE
AGENTS WANTED Agents are coinng money, Send 50c for Canvassing Outfit and Contract for territory.
Big Book, 7x10, Price \$2.50
Circulars Free. A. N. Jenkins & Scott, ATLANTA GA.

DEATH TO HEAVEN Guaranteed
NEWTON'S HEAVE AND COUGH CURE
A VETERINARY SPECIFIC.
14 years sale One to two cans will cure Heaves. \$1.00 per can. Of dealers, or express prepaid. Send for booklet. The Newton Remedy Co., Toledo, O.
Well Drills and Drillers' Supplies
The best on the market. Manufactured by THATCHER & SONS, Stillwater, Oklahoma. Write for circulars and prices.

Dairy Interests

A World's Record Cow.

Prof. A. L. Haecker, of the dairy husbandry department of the Nebraska Experiment Station, kindly furnishes us a record and photograph of the 3-year-old Holstein cow, Katy Gerben, owned by that station. This is a complete record for 365 days

Katy was born December 7, 1902 and dropped her first calf December 20 1904. She produced in ten months 10,967.6 pounds milk and 395.45 pounds butter. She freshened again January 13, 1906 and produced in 365 days 18,573.4 pounds milk and 723.85 pounds butter. She gained during the year 128 pounds, while Karen II gained 147 pounds in live weight. They both finished their records in calf two and one-half months and are still giving from 30 to 40 pounds of milk per day. Katy is now four years two months old and she has to her credit one 2-



Katy Gerben.

with a summary for both Katy Gerben and her mother Karen 2d. From this condensed record it will be seen that Katy Gerben has not only excelled her mother as a butter-producer, but now holds the world's record for 3-year-old cows in butter-production, all breeds considered.

year-old heifer which has been fresh three months and is producing 10 pounds butter per week. She has another heifer 1-year-old and will freshen again in August 1907. Katy has produced in two years 29,541.0 pounds of milk and 1,119.30 pounds estimated butter.

TABLE SHOWING CONDENSED RECORD OF THE TWO HOLSTEIN COWS, KAREN II AND KATY GERBEN.

Cow.	Days.	Pounds milk.	Av. test.	Butter-fat.	Butter-estimated.	Value.	Cost feed.	Net profit.
Karen II.....	365	17,810.9	3.39	601.37	702.18	\$175.57	\$68.26	\$107.31
Katy Gerben.....	365	18,573.4	3.34	620.44	723.85	180.96	71.43	109.53
Difference.....	—	762.5	.06	18.57	21.67	5.39	3.17	2.22

It will be noticed from the table that the young cow, Katy Gerben, excelled her mother, Karen II in both milk and butter, making a new yearly record for milk-production of any cow of any breed classed as 3-year-olds, and in butter-production for cows of her breed and age.

Karen II has in the past five years produced 56,300.2 pounds milk and 2,249.81 pounds estimated butter. She has had five calves, two heifers and three bulls. Though Karen II is a grand cow, her calves are still better, and Katy Gerben is a type close to perfection.

The Difference Comes Out of YOUR Pocket



A common kind of "Bucket Bowl." Heavy, hard to wash, easy to rust.

If you don't know that Sharples Dairy Tubular Cream Separators are different, take no chances until you find out. "Bucket bowl" agents depend on catching the fellows who don't know. Don't let them take the difference out of your pocket. One difference is in the bowl.

Shake The Insides Out!

Before you buy a separator shake the insides out of the bowl. It will show you how heavy, complicated, hard to wash, easy to injure, quick to rust, "bucket bowls" are as compared to Dairy Tubular bowls. Sharples Dairy Tubulars are different. Nothing inside Dairy Tubular bowls but a small dividing wall of triple tinned pressed steel—no bigger than a napkin ring—good for a lifetime. Yet Tubulars have twice the skimming force of any other separator—skim at least twice as clean.

You have common sense—want to save your wife work—want to save yourself repairs and cream—so why not learn about this now? Our free catalog N-165 shows many other exclusive Tubular advantages of great importance to you. Also ask for free book, "Business Dairying," covering everything from calves to butter.

THE SHARPLES SEPARATOR CO.,

Toronto, Canada West Chester, Pa. Chicago, Ill.



SHARPLES Dairy Tubular Bowl. Simple, light, durable, easy to wash.

365 DAYS RECORD OF KATY GERBEN.

Dropped December 7, 1902. Calved January 13, 1906.

Period.	Days.	Pounds milk.	Test.	Butter-fat.	Butter-estimated.	Value of butter.	Value of solids not fat.	Total value.
1. January 17-February 17.....	32	1927.1	3.12	60.11	70.13	\$17.83	156.23	274.06
2. February 18-March 17.....	28	1757.8	3.32	59.34	69.23	17.81	148.35	266.16
3. March 18-April 17.....	30	1612.7	3.15	50.80	59.27	14.82	132.08	246.90
4. April 18-May 17.....	28	1649.6	3.33	55.95	65.27	16.32	139.87	252.19
5. May 18-June 17.....	28	1684.2	3.11	53.43	62.33	15.37	138.92	254.29
6. June 18-July 17.....	28	1590.8	3.17	50.47	58.88	14.42	132.50	247.00
7. July 18-August 17.....	28	1557.2	3.22	50.24	58.61	14.20	125.60	241.81
8. August 18-September 17.....	28	1352.1	3.25	43.91	52.00	12.97	119.77	202.74
9. September 18-October 17.....	28	1210.3	3.68	44.56	52.00	13.20	106.94	189.14
10. October 18-November 17.....	28	1190.9	3.40	40.50	47.25	11.80	97.20	178.35
11. November 18-December 17.....	28	1066.0	3.57	37.71	44.91	11.20	93.00	164.20
12. December 18-January 17.....	25	923.8	3.75	34.67	40.43	10.11	79.74	142.85
13. Total.....	365	18,573.4	3.34	620.44	723.85	\$180.96	1554.42	\$227.60

The above table is based in values by the following prices: Butter 25 cents per pound, milk solid not fat at 3 cents per pound.

To find net profit the food value is as follows: Alfalfa hay \$7.00 per ton; corn silage \$1.75 per ton; pasture \$1.00 per month; bran \$18.00 per ton; corn \$18.00 per ton; oats \$14.00 per ton,

The Kansas State Agricultural College

OFFERS courses in Agriculture, Domestic Science, General Science, Mechanical Engineering, Electrical Engineering, Architecture, and Veterinary Science. Also short courses in Agriculture, Dairying, and Domestic Science. Admission direct from the country schools. A preparatory department maintained for persons over eight years. Necessary expenses low. Catalog free. Address

PRES E. R. NICHOLS,
BOX 50, MANHATTAN, KANSAS

TOP PRICES

Biggs and Koch
HIDES, TALLOW, GREASE, FELTS & FURS.

Quick Returns

If you want your shipments to bring you good returns—money-making returns that will give you satisfaction in every way, with full weights and fair selections, good prices and no delays, you will send your goods to us. BIGGS & KOCH, 1405 St. Louis Ave. Kansas City, Mo.

5 FREE BOOKLETS IN CALIFORNIA

Intensely interesting. All about the enormous profits. \$70 per acre on sugar beets, \$150 on grapes, \$100 on alfalfa. Dairying and stock raising are extremely profitable. Grain and vegetable products pay \$20 to \$200. Booklets give facts and figures that are indisputable evidence of the vast superiority of California farms. 20 acres will pay more than a 100 acre Eastern farm. Get the absolute, vital facts and figure out how to secure an independent income and delightful home in this land of plenty and comfort, at small cost. Write today.

California Farmland Company,
59 GROSSE BLDG. LOS ANGELES, CALIF.

and oil-meal \$30.00 per ton. total cost at these figures to feed cow Katy Gerben was \$71.43.

PLYMOUTH ROCKS.

FOR SALE—40 White Plymouth Rock cockerels, iso one M. B. gobbler. J. C. Bostwick, Hoyt, Kans.

175 CHOICE BARRED AND WHITE ROCKS—Hawkins and Bradley strains. Cockerels \$2 up, pullets \$1 up; eggs \$2 for 15, \$5 for 45. Chris Bearman, Route 9, Ottawa, Kans.

BARRED ROCK COCKERELS—Bradley strain. Few exhibition. Also breeding cockerels and pullets. Write for prices. Mrs. W. A. Scheler, Argonia, Kans.

BARRED ROCKS my specialty; a fine lot of cockerels from prize winners for sale reasonable. Peter Reber, Neosho Rapids, Kans.

WHITE ROCKS and WHITE WYANDOTTES—Young and old breeders for sale at attractive prices. W. L. Bates, Topeka, Kans.

BUFF ROCKS TURKEYS

Winners at State Poultry Show 1907; also slate turkeys. Stock for sale. Eggs in season. J. O. Beeman, Sherman, Kans.

BARRED ROCKS A SPECIALTY

Also Nine Other Leading Varieties. If you want to win at the poultry shows, or make a success of poultry on the farm, we can supply you with stock of exhibition free. Write your wants. A. H. Duff, Larned, Kans.

BARRED PLYMOUTH ROCKS

FOR SALE—Barréd Plymouth Rock cockerels at \$1 and \$1.50 each; pullets \$9 per doz; \$5 half doz. Address A. C. Merritt, Hill Crest Fruit & Poultry Farm N. Central Ave., Topeka, Kans.; Ind. phone 4361.

SPECIAL SALE OF BARRÉD PLYMOUTH ROCKS.

I will sell 60 yearling hens to make room, at \$1.00 each. These hens are barred to the skin. All my last season's pen breeders, the kind that produce exhibition cockerels. Right here is a chance to get some No. 1 stock at a low price. Let me mate up a trio or a pen that will start you right. I will also sell 10 cocks including the 2d and 5th prize cockerels at the Kansas State show of 1906. Description, price and photographs of any winners sent free. I will also sell cockerels at \$1.50 and up, and pullets by my first prize males. Write for prices on exhibition stock. Satisfaction guaranteed or money refunded. A. H. Miller, Bern, Kans.

LINDAMOOD'S BARRÉD ROCKS

will surely please you. High scoring prize-winners. Pens mated now. Send your orders early. No eggs after May 15. From pens \$2 per 15, from flock \$3 per 100. Send for circular. Long distance phone Walton. C. C. Lindamood, Walton, Kans.

BARRÉD PLYMOUTH ROCKS EXCLUSIVELY

EGGS \$3 per 15 | Get the Best Start Right \$5 per 30 | S. T. Divinia, R. 2, St. Joseph, Mo.

ANOTHER CLEAN SWEEP.

Steel Blue Barréd Rocks again lead the Barréd Rocks, two years in succession carrying off the prize of all prizes, First Grand Pen at the Kansas State Show held at Topeka 1906, Wichita 1907. Write me for other winnings; this is simply a gentle reminder of where the good birds may be found. Prices reasonable. Orders booked for eggs now; try them. Satisfaction guaranteed on all orders. JOE B. MOORE, originator and breeder of the renowned Steel Blue Barréd Plymouth Rocks, Mexico, Mo.

White Plymouth Rocks EXCLUSIVELY.

Good for Eggs, Good to Eat, and Good to look at. W. P. Rocks hold the record for egg-laying over every other variety of fowls; eight pullets averaging 289 eggs each in one year. I have bred them exclusively for twelve years and have them scoring 94 to 96%, and as good as can be found anywhere. Eggs only \$2 per 15; \$5 per 45, and I prepay expressage to any express office in the United States. Yards at residence adjoining Washburn College. Address THOMAS OWEN, Sta. B, Topeka, Kans.

LEGHORNS.

FOR SALE—Thoroughbred S. C. Brown Leghorn cockerels. Write for prices. Fredrick P. Johnson, St. Marys, Kans.

SINGLE COMB BROWN LE GHORNS—Best laying strain in the world. Eggs \$1 per sitting, 3 sittings \$2.50, \$5 per 100. Everett Hayes, Hiawatha, Ka.

FOR SALE—S. C. B. Leghorn cockerels, pure-bred, from high scoring stock. Have raised Leghorns exclusively for 20 years. Single birds \$1; satisfaction guaranteed; order soon. Thos. D. Marshall, Modoc, Kans.

CHOICE PURE-BRED R. C. Brown Leghorn cockerels and pullets at \$1 each. Eggs \$1 per 15. Mammoth Pekin duck eggs \$1 per 15. Reduced price on large orders. Mrs. J. E. Wright, Wilmore, Kans.

SINGLE COMB BROWN LE GHORNS—Bred for show and egg purposes. Stock and eggs for sale H. C. Short, Leavenworth, Kans.

FOR SALE—Single Comb White Leghorn cockerels. Wyckoff laying strain. Price, 75 cents and \$1. Henry Martin, Newton, Kans.

ROSE COMB BROWN LE GHORNS EGGS, 15 for \$1, 50 for \$2.50, 100 for \$4. Mrs. John Holzhey, Bendona, Kans.

STANDARD-BRED SINGLE-COMB BUFF LE GHORNS—Headed by first prize pen Chicago show 1903 and took six first prizes and first pen at Newton 1904. Eggs \$3 for 15. S. Perkins, 801 East First street, Newton, Kans.

SINGLE-COMB WHITE LE GHORN cockerels, \$1 each; two or more 80 cents each. Fine white pure, thoroughbred birds. Also a few Barréd Plymouth Rock, barred to the skin—fine, pure and vigorous; hens, cocks and pullets, \$1 each; two or more, 80 cents each. All of our customers are very well pleased. We will make reductions on large lots. Meadow Poultry Farm, Centerville, Illinois.

EGGS FOR SALE—S. C. W. Leghorns, W. Wyandottes, \$1 per 15. W. H. turkeys, \$1.50 per 9. Emden geese, 20 each. W. African guineas, \$1 per 17. All guaranteed pure-bred. A. F. Hutley, Route 2, Maple Hill, Kans.

FOR SALE—Exhibition S. C. Black Minorca cockerels, \$2. I guarantee them. Address George Kern, 817 Osage Street, Leavenworth, Kans.

Galva Poultry Yards

R. C. White Leghorns and White Wyandottes; 20 prizes in three shows. Stock for sale. Eggs \$1.50 and \$2. J. Ditch, Galva, Kans.

The Poultry Yard

CONDUCTED BY THOMAS OWEN.

Poultry on the Farm.

EDITOR KANSAS FARMER:—By poultry on the farm I mean where poultry-raising is carried on as a sort of a side line and not as a means of a direct source of profit. The average farmer is not in position to treat his fowls like the fancier or one who is in the poultry business simply as a hobby. I have read in various journals schemes and methods practised by poultrymen, but to my mind they are no more than theories, many of which are not practical. What the farmer wants is a practical method for handling his poultry, one that will minimize both time and labor. The fancier can spend many hours about his chicken-pens that the farmer is obliged to devote to other work. Some will contend that in the poultry business it is close attention to details that brings success. While I have not given particular thought to the latter-day methods of poultry-raising, I have had fair success in the business.

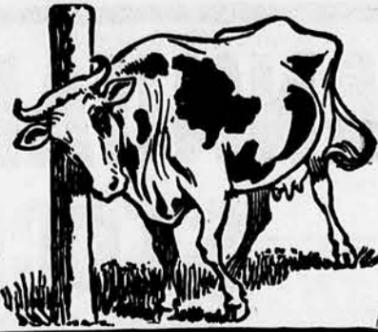
My poultry house is very simple, being 14 feet by 21 feet, all sides being enclosed with the exception of the south. I am a firm believer in pure air for poultry. I find the open house best for the fowls inasmuch as the temperature is always the same. The fowls become sick and diseased by being cooped up in an air-tight enclosure and turned out in the morning where there is a difference in the temperature of a great many degrees. Such a condition does not exist in the open house, the temperature indoors being about the same as on the outside. My house is built with gable roof, the south part of the shed being used as a scratching shed, which has a dirt floor. The north part contains the nests and roosts. This part must have a wooden floor, which must be slightly raised from the ground. This is to allow the free circulation of air to dry the moisture that arises from the ground. It is this method which enables me to have pure, dry air circulating among the fowls.

The windows I use are wooden shutters. I prefer them to glass windows, as glass serves to draw moisture, and while they may be a necessity in a closed house, they are not needed in the kind which I mention.

The board floor in the north part of the house serves the purpose of keeping the shed perfectly dry where the fowls roost. It is quite necessary as moisture is constantly arising from the ground, which will cause dampness. The board floor prevents this, especially when it is well off the ground. The south half is left for a scratching shed. This shed has a dirt floor. I provide plenty of gravel and grit for my hens and let them take care of themselves.

The roof construction is somewhat different to that advocated by most poultrymen. The roost is suspended from the roof, having no connection with the floor at all. I aim to have the roost above the edge of the eaves of the house. This removes the fowls from any possibility of sleeping in a draft by being above the line. Constructing a roost in this manner serves a double purpose, aside from holding the hens above the draft. It is a precaution against chicken stealing, as the roost is about nine feet above the floor. It makes stealing a difficult matter, as it is quite impossible to remove any of the fowls without the use of a ladder. I feel safe in saying that chicken thieves as a rule do not carry ladders around with them when intending to visit a farmer's chicken roost.

In the morning I feed beef scraps and a small quantity of corn together with a few sheaves of oats. I prefer to feed oats in this manner as it gives the fowls the necessary exercise in scratching. This is the one important point in poultry-raising. We must provide some means of compelling the fowls to take exercise. In the evening I give a full feed of corn, as they like to go on the roost with a full crop;



The Louse Question

When your animals rub incessantly at this season of the year, look out for lice. This is especially true of calves and colts. To meet this condition Dr. Hess (M.D., D.V.S.) formulated the famous Instant Louse Killer, which kills lice on stock and poultry.

INSTANT LOUSE KILLER

kills ticks on sheep. It, being a powder, can be applied in zero weather. Do not wait for warm weather; do not let the tick eat up your profits; kill him on the spot with Instant Louse Killer. Put up in round cans with perforated top, full pound 25 cts. Sold on a positive written guarantee. Be sure of the word "Instant" on the can; there are 25 imitators.

1 lb. 25c { Except in Canada and extreme West and South. 3 lbs. 60c

If your dealer cannot supply you we will forward 1 lb. by mail or express, prepaid, for 35 cents.

Manufactured by DR. HESS & CLARK Ashland, Ohio.

besides corn is a great heat-promoter. In feeding I aim to scatter the grain in a broadcast manner. This allows each bird to get his share, avoids crowding, and compels each one to take exercise.

F. M. GLYNN.

Wyandotte County.

Eggs in Straw-Piles.

Whenever we ride through wheat-producing counties, as we did early this year, and see the immense piles of wheat straw in the fields, we always think of the thousands of dozens of eggs that could be gotten out of those piles by the proper exertion.

One of the main reasons why farmers do not keep more hens, and therefore have more eggs to sell, is the lack of proper buildings for the hens in winter. The price of lumber is so high that they can not see wherein the profit would be, if they were to build expensive buildings for their chickens; hence they get along with smaller buildings and fewer fowls. But

MISCELLANEOUS.

GILT EDGE POULTRY CO.

Cockerels for sale from 20 different varieties at farmer's prices. Also Toulouse geese, Pekin ducks and M. B. turkeys. Write for catalogue. Walter Hogue, Fairfield, Neb.

AGENTS—to sell and advertise our Poultry Compound; \$35 weekly; rig furnished. Franklin Manufacturing Company, Norwalk, Ohio.



Examine any fowl bought of us at the express office. If not satisfied return and get your money, less express charges one way. Our fowls are strictly tops. Buff Black and White Langshans, five varieties of Leghorns, and many other breeds to select from. Get busy or your choice will be gone. Write J. A. LOVETTE, Prop., MULLINVILLE, KANS.

COCKERELS COCKERELS COCKERELS

Of thirty-two of the leading varieties, being farm raised, no two on the same farm. To make room for winter quarters, Leghorns three for \$5, all other varieties in proportion. Address W. F. Holcomb, Mgr.

Nebraska Poultry Co., Clay Center, Neb.

The Talbott Poultry Farm

Breeders of the best in the world. Strain of Buff, Brown and White Leghorns, Barréd Rocks and White Wyandottes. My birds have won at Chicago, Galesburg, Moline, Illinois, Fremont, Hebron, State Poultry Show of Nebraska, and they will win for you. 500 old birds for sale at \$1.50 each and 1,000 youngsters at \$1.00 and up.

W. R. TALBOTT, Prop. Hebron, Neb.

BUFF ORPINGTONS.

CHOICE Buff Orpington and B. P. Rock-cockers, Collic pups and bred bitches. Send for circular. W. B. Williams, Stella, Neb.

BUFF ORPINGTONS EXCLUSIVELY—Bred from prize-winners \$2 a sitting. Mrs. A. W. Davis, Douglass, Kans.

BUFF ORPINGTONS AND BUFF LEGHORN—Won first pen State Show; catalog free. W. Maxwell, 1924 McVicar Ave., Topeka, Kans.

WYANDOTTES.

WHITE WYANDOTTES—Mrs. E. F. Ney, near Spring, Kans., is sold out. Eggs in season.

Hammer's White Wyandottes

35 cockerels for sale at \$1.50. These are high priced birds. My strain is noted for eggs.

Lewis A. Hammer, Clearwater, Kans.

POULTRY BARGAINS.

White Wyandotte cockerels \$1 each. White can Guinea \$2 pair. Indian Runner Ducks \$1 pair. Choice farm-raised stock. Some prize winners. L. D. Arnold, R. F. D., Enterprise, Kans.

WHITE WYANDOTTES.

If you need the highest quality for breeding show birds at reasonable prices write me. Cockerels now ready for shipment. Illustrated catalogue free. Address G. A. Wiebe, Box 4, Beatrice, Neb.

WYANDOTTES—Pure white. Young stock \$1 each. L. E. Brown, Norton, Kans.

WHITE WYANDOTTE COCKERELS—Selling birds or choice breeders at \$1.00 to \$5.00 each. S. Arts, Larned, Kans.

BLACK LANGSHANS.

BLACK LANGSHANS

My birds are prize-winners. Choice cockerels and pullets for sale; eggs \$1.50 and \$2. Satisfaction guaranteed.

W. M. Tipton, Route 5, Wellington, Kans.

BLACK LANGSHAN cocks, cockerels, and pullets from high scoring stock at \$1 to \$2 each. Also Pekin ducks. Thos. Hutley, Route 2, Maple Hill, Kans.

PURE-BRED WHITE LANGSHANS—Selling Hens \$1.25, pullets \$1 each; also a few Silver Spang Hamburg cockerels. Mrs. John Cooke, Greeley, Mo.

BLACK LANGSHANS

which will please you at prices that will satisfy you. Bred from stock from such breeders as Mrs. M. Smith, Ben S. Myers, Ashe, Hettich, Kling, etc. Write for prices and descriptions.

MRS. E. S. MYERS,

Box 174. Chanute, Kans.

RHODE ISLAND REDS.

FOR SALE.

Four choice Rose Comb Rhode Island cockerels \$2 to \$5. Six choice breeding cockerels each. Eggs during February, \$1.50 per 15, from whole flock. A. D. Willems, Minneola, Kans., formerly of Inman, Kans.

FOR SALE—Rose Comb Rhode Island Red hens. High grade Red Polled bull calves. J. Poulton, Medora, Kans.

RHODE ISLAND REDS—Cockerels, S. C. B. Reds from prize winners. Red to the skin. Egg season. Good Hope Fruit & Poultry Farm, Troy, Mo.

ONE DOLLAR buys 15 eggs of either Rose Comb R. I. Reds or Barréd Rocks from prize-winning stock at the college show. Mrs. A. J. Nicholson, Manhattan, Kans.

BRAHMAS.

FOR SALE—Light Brahma cockerels, price \$1. J. Hewly, Lebo, Kans.

LIGHT BRAHMAS.

Prize winners—two firsts, two seconds at State Poultry Show 1907. Cockerels \$2, eggs \$1.50. Lichte, Route 1, Oatville, Kans.

Light Brahma Chickens

Choice pure bred cockerels for sale. Write or call Chas. Foster & Son, Eldorado, Kas., Route 1.

TURKEYS.

FOR SALE—White Holland toms \$3.50, Wyandotte eggs \$1 per sitting, \$5 per hundred. E. F. Ney, Bonner Springs, Kansas.

MAMMOTH BRONZE TURKEYS for sale. Quire of H. A. Sandborn, Detroit, Kans.

WHITE HOLLAND TURKEY EGGS—\$1.50 nine, \$4.50 per thirty. Inquiries promptly answered. T. J. Sweeney, St. Marys, Kans.

FOR SALE—Bronze turkeys; July hatch; all fine Kentucky tom. Price \$5. Address Mrs. Cowley, Hallowsell, Kans.

CHOICE LOT of M. B. turkeys and ducks from prize-winning stock, sire 40 pounds 2 1/2 to 22 pounds. Address Mrs. A. E. Harp, Speed, Mo.

MAMMOTH WHITE HOLLAND TURKEY

Some choice birds for sale; superb color, large and prize-winners in the hottest competition at peka, St. Louis, Missouri State Fair and elsewhere. Write me your wants.

MISS LILLIAN SHAAL,

Lexington, Miss.

INCUBATORS AND BROODERS.

\$7.90
OUR HATCHING WONDER
 DELIVERED

The 100-egg Hatching Wonder has triple case, large aluminum-coated tank, double-jacketed heater and Victor Regulator. The lamp has a big bowl, wide burner and stout metal chimney. Ventilated egg chamber with double glass in door contains movable egg tray with nursery below. The machine is 30 inches long, 21 inches wide and 14 inches high. In addition to this substantially built incubator, with its egg tray and nursery, aluminum-coated tank, double-jacketed heater, modern lamp and automatic regulator, the \$7.90 price includes a thermometer, funnel and book of instructions, telling how to get the best results from the incubator, all delivered at any railroad station east of the Rocky Mountains.

If the Brooder is ordered with the Incubator the price of both is only \$11.50 delivered anywhere in U. S. east of the Rockies. The price of the Incubator delivered west of the Rockies is \$9.00 and the Incubator and Brooder together \$14.75.

These prices are delivered at your railroad station, not f. o. b. factory. F. o. b. factory means that you may have to pay cartage to the factory to your station.

Better write us today; we will ship promptly on receipt of your order. Money returned if not as represented.

If you want a larger machine write for our 80-page "Victor Book." Two-thirds of the space is devoted to giving information about the poultry business. The rest tells the truth about Victor incubators and brooders. We start with the egg and give pointers that mean increased profits right through to the day fowls ready for market. How to make hens lay then eggs are scarce. How to get early spring chickens on the market in time to get best prices. Practical hints that may mean money whether an old hand or an incubator does the hatching.

We want you to have the book and will gladly send it to you if you will send in the coupon below, or send us a postal card asking for it if you don't want to cut the paper.

GEO. ERTEL CO., Quincy, Ill. Established 1867.

GEO. ERTEL CO., Quincy, Ill. 23 56
 Please send me the Victor Book FREE.

Name.....
 Postoffice.....
 Route No.....Co.....State.....

Big Sure Hatch Book
Best Ever Printed

You ought to have a free copy of this book on Incubators, Brooders and Chicken Raising. Nothing like it ever printed before. It's a big book. Has over one hundred solid pages of reading matter and pictures from actual photographs.

The cover is in three colors. Jammed full of money-making information for all who are interested in Chickens. You'll like the way it's written—makes everything clear as sunlight. Tells you the very things you must know to succeed in raising poultry.

The Sure Hatch Book is a safe guide because it is based on the successful experience of the men who in ten years built up the business of the

SURE HATCH INCUBATOR

from nothing to the largest in the world.

Get a Sure Hatch and make money. Over 110,000 others are doing so—why not you? Pays for itself with one hatch. Runs itself. Does all we claim or we take it back at our expense. Guaranteed for Five Years. The risk is all on our side.

Don't buy an incubator until you get the Sure Hatch Book and read up. Send postal today.

SURE HATCH INCUBATOR CO.
 Box 42, Fremont, Neb., or Dpt. 42, Indianapolis, Ind.

7.50 Incubator

Everybody's incubator holds 125 eggs. Self regulator, needs no moisture, powerful double heater, egg tray and nursery, movable sanitary nursery tray. Has nothing high-priced hatching. Four walls, packed, not heated by heat or cold. Cat. free.

Victor Incubator Co., 811 Main Street, Governor, N. Y.

Hatch Chickens by Steam with the EXCELSIOR INCUBATOR OR WOODEN HEN

Simple, perfect, self-regulating. Hatch every fertile egg. Lowest priced first-class hatchers made.

GEO. H. STAHL, Quincy, Ill.

INCUBATORS
40 DAYS FREE TRIAL

\$8

The Great Western Incubator has the best hatching record. It is the easiest to operate. It has the lowest priced Good hot water incubator made.

GUARANTEED FOR 10 YEARS

Applied anywhere on 40 days FREE TRIAL—use test it. If it is not all we claim return it at our expense. Write for complete FREE catalog of Great Western Incubators and brooders.

GREAT WESTERN INCUBATOR CO.
 Liberty St., Kansas City, Mo.

where they have immense piles of straw going to waste, this element of expense for buildings would be eliminated. By making a framework of logs, poles, and brush and then covering the same with straw, the most comfortable buildings could be built for the use of the hens in winter.

There need not be any expense for glass, for an open front with wire netting to keep the hens in, would answer every purpose. In the East they are now advertising the open-front chicken house as the most healthful and one of the warmest of any. They make it perfectly air-tight, except the front part, which is open and to the south. In these open-front houses the fowls keep warm in the coldest of weather and lay more eggs, it is said, than in the ordinary houses. The frames of these straw houses that we are advocating could be made any length desired, though we would recommend a width of twelve or fourteen feet. The roof and north and west sides could be covered with straw several feet in thickness, leaving room for a door in the east end. The roof should slope from north to south and should be about three feet high at the south part, which should be covered with ordinary wire-netting. In such a building, impervious as it would be to cold, hens would lay in the coldest weather if fed and cared for properly. Most of the feed should be scattered among straw on the floor of the building. This would keep the hens busy and in good exercise. Should lice and mites get into such a building, though there is no excuse for this if the fowls are properly looked after, the straw could be taken off during the summer and burned and new straw placed on it again in the fall. It would be the easiest way in the world of getting rid of mites.

In the cities where straw is worth five or six dollars a ton, it would not pay to think of such straw houses, but where straw is going to waste and encumbering the ground, and where they even have to burn it to get rid of it, it seems a shame that such a willful neglect of such a grand opportunity to get more eggs should be permitted.

BEE SUPPLIES

We can furnish you bee and all kinds of bee-keepers' supplies cheaper than you can get elsewhere, and save you freight. Send for our catalogue with discount sheet for early orders.

Topeka Supply House
 7th and Quincy, Topeka, Kansas

FARM PROFITS IN POULTRY AND INCUBATORS

Beginners, Experts and Agricultural Experiment Stations Use and Recommend

CYPHERS INCUBATOR.

Our 244 page Book, "How To Make Money With Poultry," contains more information than any other. FREE by sending address of two friends who keep poultry.

CYPHERS INCUBATOR CO.,
 Buffalo, New York, Boston, Chicago, Kansas City, Oakland, Cal., and London, Eng.

Let Me Quote You a Price On a

Chatham

Before You Buy An Incubator.

Guaranteed 5 Years Freight Prepaid

Write today for my Free Book. It will tell you how to make money out of poultry.

With Chatham Incubators and Brooders you can start in the poultry business for a very small amount. Chatham Incubators are sold on

34 DAYS' FREE TRIAL

freight prepaid. Guaranteed 5 years. They are tested and known to produce the largest percentage of strong chickens. Our big stock of incubators now ready insures prompt delivery. Write today.

MANSON CAMPBELL,
 President Manson Campbell Co., Ltd., 375 Vescom Ave., Detroit, Mich.
 If you live west of the Mississippi River, address me Box 376 Topeka, Kan.

\$10

Buy a 240 Egg Incubator

120 EGG SIZE \$2.50
 60 EGG SIZE \$4.00
 100 CHICK OUTDOOR BROODER \$5.00
 100 CHICK INDOOR BROODER \$4.00

DON'T PAY HIGH PRICES

When you can get Reliance Incubators and Brooders at the above figures. No other machines hatch or raise more or stronger chicks. They are sent complete. You pay for no extras. Send for Free Catalog, containing our guarantee of satisfaction or your money back, and explaining how we can undersell all competitors. Lists everything you need to succeed with poultry, at lowest prices.

Reliance Incubator Co., Box 888, Freeport, Ill.

INCUBATORS AND BROODERS. INCUBATORS AND BROODERS.

HATCH-ALL
 Incubators and Brooders

will last, are easy to run, have deep nurseries, triple walls, solid copper tanks, and if they don't work we take them back. You run no risk because they have been tested in every state in the Union.

Look in Kansas Farmer of Dec 27, where we take a full page to explain these machines and how they are made.

THE 1907 CATALOGUE NOW READY. Don't hesitate to ask for it. We are glad to send it.

HEBRON INCUBATOR CO., Box 12, Hebron, Neb.

\$7.00 Freight Prepaid, **120 EGG**
 Buys the Best Incubator Ever Made.

\$4.50 Buys the Best 100-Chick Brooder.

Both Incubator and Brooder, if ordered together, cost but \$11.00. Double cases all over; best copper tank; hot water; self regulating; satisfaction guaranteed. Our book, "Hatching Facts," tells all about it. Mailed free. Write for it.

Belle City Incubator Company, Box 18, Racine, Wisconsin.

OLD TRUSTY
 INCUBATORS AND BROODERS

The Easiest to Operate Because It Runs Itself.

Made of the best materials—and so the most durable. Patented copper-pipe heating system that gives the only perfectly even radiation of heat to all parts of egg chamber. Regulator so perfect that you might run it without a thermometer. Sold on **40, 60 AND 90 DAYS' TRIAL** and Five Years' Guaranty.

Highest quality, fairest prices, fairest terms. No matter where you live; Johnson, the Incubator Man, can save you money in prices and in results, and save you chicken troubles.

SEND FOR JOHNSON'S BIG BOOK
 Chock-full of common-sense chicken talk and straight from the shoulder money-making suggestions. 300 illustrations. It is Free. Write today sure, and get his special offer.

M. M. JOHNSON CO., CLAY CENTER, NEB.

Missouri Queen

Incubator-Heating System absolutely the best. Record of hatches unequalled. Only machine made that has heat in the corners. Try it for 90 days and if you are not satisfied return and get your money. Catalog free. Write today. Reference: Any bank in Princeton.

W. P. SHEETS, Manufacturer,
 BOX 562, PRINCETON, MO.

GREATER PROFIT IN Poultry Shipping

THE ECONOMY FOLDING POULTRY COOP

Is a Great Money Saver
 Also a Poultry Life Saver

Light, Durable, Cheap, Easy to Erect, Rigid, Cannot Collapse, Can be Sealed, Best Material, Perfectly Constructed, Folds one-fourth size, favored by Express Companies, Lessens Shipping Charges and used by Largest Shippers. Write us for further information and special proposition.

ECONOMY POULTRY COOP CO.,
 Write Today; Don't Delay P. O. Box 815 ST. JOSEPH, MO.

SAFETY HATCH

Has proven itself a hatcher with big hatches and strong healthy chicks. Automatic in every detail. Turn the eggs and fill the lamp—the Safety Hatch does the work without watching. 1907 catalog tells all, with our 90 days trial offer. Write today.

CLAY CENTER INCUBATOR CO.,
 CLAY CENTER, KANSAS.

A Free Book About **Incubators**

We issue the best book ever written on incubators—written by a man who has spent 25 years in perfecting them—by the man who made the Racine. It tells facts that you must know to get the right incubator. Don't buy without reading it, for the book is free. We Pay the Freight.

Racine Hatcher Co., Box 88, Racine, Wis.
 Warehouses: Buffalo, Detroit, Kansas City, St. Paul.

ALFALFA

EVERY-DAY Egg-PRODUCER, an alfalfa mash for laying hens. ALFALFA POULTRY FOOD, in 2 1/2 lb. packages, best and cheapest egg producer in the world. ALFALFA HOG CHOLERA CURE, the best preventive and only cure for hog cholera. Largest alfalfa mill in the world. All kinds of Poultry Supplies. Send for free circular.

The Otto Weiss Alfalfa Stock Food Co.

221-227 So. Santa Fe, Wichita, Kans., U. S. A.

THOS. OWEN, 2801 West Euclid Avenue,
 Ind. Phone 6306, is Topeka agent for these goods.

Your Name will Get \$2 Eggs For 50 Cents Per Sitting

The White and Brown Leghorns are the greatest layers in the world. I keep 2000 of the celebrated Chamberlain laying strain on my Experimental Farm, and to increase the sale of my Perfect Chick Feed, I will send to any one who will send me their name so I can send them my Perfect Chick Feed Catalogue, 2 sittings of Single Comb Brown or White Leghorn Eggs for \$1 for the 2 sittings. Only 2 sittings sold to one person. White or Barred Plymouth Rock, or White or Silver Laced Wyandotte Eggs \$1 per sitting. This is a rare chance to get a start of extra fine stock. Send money and have your orders booked at once.

W. F. CHAMBERLAIN, (The Perfect Chick Feed Man)
 KIRKWOOD, MO.

REAL ESTATE

REAL ESTATE

REAL ESTATE

REAL ESTATE

Money to Loan

On Eastern Kansas Real Estate

Small annual, or annual interest, five, seven, or ten years time, with privilege of payments at any interest period.

No Delay in Furnishing Money

Merriam Mortgage Company Columbian Bldg., Topeka, Kansas

FOR EXCHANGE—Choice alfalfa and wheat farms for merchandise. Clydesdale stallion, Short-horn, Galloway and Jersey cattle, Duroc-Jersey, Poland-China and O. I. C. hogs and Dorset sheep for Clydesdale and Percheron mares and Hereford cattle. We breed varieties of poultry and pet stock. We will exchange with you. Are now looking orders for eggs. Catalogue 10c. Stock for sale. A. Madison & Sons, B. I. Atwood, Kans.

A LIVE ONE.

100 acres one mile from good railroad town in Sedgewick County which has 1 good mill, 4 elevators, 2 banks, numerous stores of all kinds, churches and schools. This land is about half first and half second bottom; every foot is good, soil dark sandy loam—no gumbo or alkali; all is under cultivation except about 12 acres in prairie grass; 55 acres in wheat, 15 acres for spring crop, balance in alfalfa and orchard; very fine orchard of about 2 acres; about 1 acre for garden fenced chicken tight, with all kinds of small fruits; nice shade; 4-room cottage, summer kitchen; granary, barn, corn-crib, buggy shed, hog house and chicken house. Possession can be given immediately, except granary and crib which are both full. This is a very desirable home, beautifully located. Price \$4000. The Nelson Real Estate Co., 137 N. Main St., Wichita, Kans.

FINE SHAWNEE COUNTY, KANSAS, FARMS for sale cheap—555 acres, one mile south of Willard, all black rich soil, fenced into eight fields, large new buildings, 150 acres in cultivation, balance tame grass, orchard, wells, cistern, springs, creek, 60 acres good timber; good horse, stock or grain farm; \$50 per acre, worth \$60, one-fourth cash, balance up to ten years, if needed. 666 acres, half mile west of Valencia, fenced into nine fields, good new farm buildings, 150 acres cultivation, balance tame grass, orchard, springs, cistern, creek, 250 acres valuable timber, creek bottom, all good soil; good sheep, stock or grain farm; \$40 per acre, worth \$50; one-fourth cash, balance up to ten years, if needed. T. W. Harrison, 109 West 6th avenue, Topeka, Kans.

FOR SALE—320 acres alfalfa land near Wichita, 160 acres in cultivation, 8-room house, good barn, orchard, fenced. Worth \$50, price \$40.

I. B. CASE & CO., Wichita, Kans.

LYON COUNTY FARM—75 acres, 60 cultivated, balance pasture. Black limestone soil, good apple orchard and other fruit. Good 6-room house, barn and cattle sheds. 9 miles to Emporia, 1/2 mile to school. Price \$3,150. Hurley & Jennings, Emporia, Kans.

FOR LEASE—A large stock farm in eastern Kansas. For particulars, address with references, M. T. Brown, Davenport, Iowa.

FOR CHEAP LAND AND HOMESTEADS write to Chas. P. Knight of Burlington, Colo. He has land priced right and has a claim on several good homesteads close to town. Will not stand long. Land from \$6 per acre up. Write today or come at once. Chas. P. Knight, Burlington, Colo.

FOR SALE—350 acre stock farm in Lyon County. Handy to station. J. C. Hume, owner, route 3, Council Grove, Kans.

BRICK HOTEL—Centrally located, 28 rooms, furnished throughout, in good town in gas belt. Good opening. Price \$6,000. A. R. Ohmart, Augusta, Kans.

ANYTHING in Northwestern Kansas land. Write us just what you want and we will get it for you. Get in on the ground floor. We have some real bargains now. O. L. Register & Co., Lenora, Kans.

THE OWNER must live in California and you can buy a well located, newly improved eastern Kansas quarter, \$45 per acre, 1 1/2 miles from station, creamery and school. Near two Universities. Rural delivery, telephone, never-failing well. For particulars write F. M. Piper, Route 10, Lawrence, Kans.

WE HAVE for sale one of the best ranch and farm propositions in Kansas. Write us for particulars. We are in the big four country. Corn, cattle, hogs and alfalfa. J. C. Hoyt, Eldorado, Kans.

WRITE W. J. O'CONNOR, Eureka Springs, Ark., for fruit and mineral lands in Northwest Arkansas.

BUY LAND OF OWNER—Save commission. Stock and Poultry farm for sale on Hickory Creek, Butler County, Kans. Address Benj. Mayfield, Latham, Kans.

FOR SALE—Fruit lands, farms and timber. Stock do well in this section. German truck farmers can make big money. I can loan your money on good security. Campbell, P. O. Box 655, Van Buren, Ark.

Choice McPherson County Farms and smooth level wheat land along the Rock Island line in Southern Kansas. Prices right. Roy T. Glass, Canton, Kans.

FOR SALE AND EXCHANGE Merchandise and City Property, Kansas and Texas Lands. If you want anything in this line write us. Quisenberry & Carlson, Marion, Kans.

MITCHELL COUNTY, KANSAS FARMS—Also thousands of acres of the choicest lands in the western counties. Soil perfect and smooth, at \$6.00 and up; 20 years resident on the ground. Special opportunity at this time in Rock county, on line of new railroad now being built. A choice creek bottom farm, near town, at \$24.00. Write me your wants; I can produce the goods and at best prices. W. P. Curtis, Beloit, Kansas.

FOR SALE—Dairy Farm in Loudoun County, Virginia. Between three and four hundred acres. Less than one and one-half hours' ride from Washington. Good railroad facilities. Outbuildings complete in every respect and in first-class condition. Good fencing. Large silo, filled for winter. Two dwellings on place for manager, etc. Good watering facilities with large storage tank. Excellent herd of cattle and well-equipped dairy. Good land and whole farm can be cultivated. Excellent opportunity to purchase first-class well-equipped dairy farm. M. V. Richards, Land & Industrial Agent, Washington, D. C.

FOR SALE Farms—Bargains; 500 farms, stock ranches. Kansas or Missouri. Before you buy, sell or exchange, write for my free lists. F. H. Humphrey, Fort Scott, Mo.

LAND FOR SALE in western part of the great wheat State. H. V. Gilbert, Wallace, Kans.

FARM BARGAINS

in east Kansas, any size. Write for list and map. What have you to exchange?

Her & Mansfield, Garnett, Kans.

Jewell County

Morris & Woolsey
Randall, - - Kansas
Quarter section of good land at \$40 per acre; it is a bargain. Write for full particulars.

A CORN AND ALFALFA FARM.

FOR SALE—One of the richest improved farms on Prairie Dog Creek. Soil is black loam that yields big crops every year. This year an average of 60 bushels of corn, about thirty acres in pasture and timber, 15 acres in alfalfa, balance corn land. Good house and barn and other farm buildings. On account of change of business the owner desires to sell soon. Address

M. E. DEALL, Woodruff, Kans.

FOR SALE

160 acre creek bottom farm, one of the prettiest homes in the country, land all in cultivation except 10 acres, nicely improved, good 7 room house with porches and cellar, located within 1 1/2 miles of a good market, and will raise any kind of crops that you want to plant on it. In fact it is a model home. Price \$45 per acre if taken soon. Write me for full particulars.

C. R. Cantrall, Fredonia, Kans.

TEXAS, RICE AND GARDEN LANDS.

in the Gulf Coast country—Artesian belt. Finest and most productive lands in the country. Excursions semi-monthly. \$20 round trip. See me or write for particulars.

DAVID L. LAKIN, Agt. Fidelity Immigration Co., 113 W. 6th, Topeka, Kans.

Arthur H. Goddard

OF ALTON, OSBORNE COUNTY, KANSAS,

offers the best proposition for homes that can be found anywhere. Write him for list and map.

GREENWOOD CO. LAND

The hub of corn, cattle, hogs and alfalfa country, where crop failures are unknown, and land is worth from \$12.50 to \$35 per acre. For booklet of farms and prices, write

P. D. STOUGHTON,
Madison, - - Kansas

Farm For Sale.

One of the most productive farms in the Wakarusa valley, five miles from Auburn, Shawnee Co.; 320 acres, 100 acres in pasture, about 20 in fine timber along the creek, balance in cultivation; in bottom and second bottom land. Fine house of eight rooms; large barn. Is a bargain at \$40 per acre. Apply to

C. W. MERRIAM,
Columbian Bldg., Topeka, Kans.

A Home in Missouri.

We have them for sale; fine, black land, which grows Corn, Wheat, Clover and Bluegrass on every acre, and located in Cass county, Mo., 35 to 40 miles south of Kansas City. Send for list or come to see us.

JOT. M. WILSON & SON,
Harrisonville, - - Missouri

A FINE PROPOSITION

320 acres one-half mile from Rozel, in the Pawnee Valley, all alfalfa, 200 acres now in wheat, new 4-room house, barn for 20 head of horses, good granary, all fenced and cross fenced. A great bargain at \$33 per acre. Must be sold quick.

Frizell & Ely,
LARNED, - - KANSAS

KANSAS HOMES CHEAP

80 acres—40 cultivated; 1 1/2 story house, stable, poultry house, smoke house, well, trees; price \$1500. 160 acres—110 cultivated; 4-room house; stable; fruit and shade trees; \$4000. 160 acres, some bottom, timber, good improvements, close to school; \$4900. 320 acres—100 cultivated; fair little improvements; \$6000. 640 acres—160 cultivated; new house; 1 1/2 mile of running water; price \$15 per acre. We have all kinds and sizes and would be pleased to send lists. Write to Minneapolis, Florence or Salina, Kansas, for lists.

GARRISON & STUDEBAKER.

Some Alfalfa Land

in Trego County, Kansas for \$10 an acre. This is a snap and will not last. Be quick! STEVENS & RUBY, Stockton, Kans.

Real Estate in Dickinson Co., Kan.

135 years residence in county. Reference, any bank or business man in Abilene. ---

W. D. Nichols, Agt., Abilene, Kans.

GOOD BOTTOM FARM.

480 acres; one-fifth cash, balance time; this is a special; write for prices. Owned by old people wanting to quit farming and live on the interest; location the best. D. W. Mickey, Real Estate, White City, Kans.

McPherson County Farm

160 acres good level wheat, corn and alfalfa land, 125 acres in cultivation. Pasture, meadow, orchard, alfalfa and wheat, 7 room house, barn, good well and wind-mill. Price reasonable, easy terms; sold to settle an estate. Call on or address

J. K. Bremyer, McPherson, Kans.

Homes in Eastern Kansas

Prices \$25 to \$50 per acre. Corn, wheat, alfalfa, timothy, clover and blue grass. Will pay ten per cent on investment. 160 acres five miles from county seat. 5-room house, fair repair, stable; lies fine, 20 rough land; price \$40 per acre. Owner will take rental property to amount of \$2,000 on exchange; must be worth the money. Write, I have all kinds of bargains. Eighty miles from Kansas City. W. K. Shaw & F. B. Graham, Garnett, Kan.

Grain and Dairy Farms

Around Topeka. Also Fruit farms and Stock farms for cattle, hogs and horses. Raise corn, wheat, oats, alfalfa, tame grasses. Unreasonably cheap; too cheap to last. Write for particulars.

GEO. M. NOBLE & CO.

Real Estate and Loans.
OPPOSITE POSTOFFICE. TOPEKA, KANS.

Irrigated Lands

For Sale, choice Irrigated Lands, all planted with alfalfa, \$25 an acre, on installments, Kern County, California, the finest agricultural country in the state. For particulars write, California Buyers Union, Inc., 916 Broadway, Oakland Cal.

We Are Sending Free

Pictures and descriptions of the Tree that grows Muskmelons, the Firm Tree that has fruit and no leaves, and other semi-tropical fruits. Also information about twelve million acres of rich, highly productive low cost farm, timber and grazing lands in the state of Sinaloa, Mexico. Address

SINALOA LAND COMPANY, Merchants Trust Building
Department No. 1, Los Angeles, California

Norton County Alfalfa and Corn Farms

We sell Norton County lands where wheat, corn and alfalfa grow in abundance. Write us for list of farms and full particulars.

LOWE & BOWERS,
Aimons, - - Kansas

ALFALFA RANCH

480 acre ranch in Scott Co., Kansas; six miles from Healy, about 100 acres creek bottom land, 2 miles running water, stone house, barn and cattle sheds, good timber. An excellent alfalfa and stock ranch. Price, \$4,000. Apply to

Albani E. King, McPherson, Kans.

Watch Tacoma Grow!

Population, 1900, 37,714
Population, 1905, 55,000

Leading industrial center of Pacific Northwest. Five additional transcontinental railroads building to Tacoma. Chief distributing point for leading products of Washington; wheat lumber, coal. Send stamps for descriptive literature to Secretary Chamber of Commerce and Board of Trade, Tacoma, Washington.

WALNUT GROVE FARM

...FOR SALE...

Upon the advice of several specialists I am going to New Mexico for my health. On this account I must dispose of all my Kansas property, including the famous Walnut Grove farm, the most complete and profitable stock farm in Kansas. This includes 130 acres of the best land in Kansas, two miles from Emporia. Over 200 good O. I. C. hogs. All our Barred Plymouth Rocks, 25 Colliers, 44 head of cows, 8 head of horses, the best farm house in the State. Also one small farm house, 2 large barns, 2 large cattle-sheds, one 300-foot hen house, one 250-foot broiler house, 20 brooder houses, capacity of plant, 4,000. The best hog house in the West, double-deck cement floors; many small hog houses. This is not an experiment, but a successful stock farm. Price, \$25,000 cash.

H. D. HUTTING, Emporia, Kans.

My Plan

will sell any farm on earth. Send description and price. Customers waiting. If you want to buy a farm in the United States or Canada, tell me what and where and receive my "Locator" Magazine free. No commission to pay.

H. H. Harsha, Masonic Temple, Chicago

\$5,000

Reward will be paid to any person who can find one atom of opium, chloral, morphine, cocaine, ether or chloroform in any form in any of Dr. Miles' Remedies.

This reward is offered because certain unscrupulous persons make false statements about these remedies. It is understood that this reward applies only to goods purchased in the open market, which have not been tampered with in any way.

Dr. Miles' remedies cure by their soothing, nourishing, strengthening and invigorating effects upon the nervous system, and not by paralyzing and weakening the nerves as would be the case if these drugs were used.

For this reason Dr. Miles' Anti-Pain Pills are universally considered the best pain remedy.

"I have suffered for 25 years with severe pains in my head, heart and back, and have tried everything I could get and could not find any relief until I got a box of Dr. Miles' Anti-Pain Pills. I suffered as long as 12 hours at a time with such severe pains that I feared I would lose my mind. The Anti-Pain Pills gave me relief in from 10 to 20 minutes. I do not have to use Morphine any more. I wish you would publish this so that other sufferers may find relief."

I. A. WALKER,
R. F. D. No. 1, Salem, Ind.
Dr. Miles' Anti-Pain Pills are sold by your druggist, who will guarantee that the first package will benefit. If not, he will return your money. 25 doses, 25 cents. Never sold in bulk. Miles Medical Co., Elkhart, Ind.



When writing advertisers please mention this paper.