



Volume XLIII. Number 12

TOPEKA, KANSAS, MARCH 23, 1905

Established 1863. \$1 a Year

## KANSAS FARMER.

Established in 1863.

Published every Thursday by the  
KANSAS FARMER CO., - - TOPEKA, KANSASE. B. COWGILL.....President  
J. B. McAFEE.....Vice President  
D. C. NELLIS.....Secretary and Treasurer

SUBSCRIPTION PRICE: \$1.00 A YEAR

E. B. COWGILL.....Editor  
I. D. GRAHAM.....Associate Editor  
H. A. HEATH.....Advertising Manager

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



## ADVERTISING RATES.

Display advertising, 15 cents per line, agate (fourteen lines to the inch). Continuous orders, run of the paper, \$1.54 per inch per week.

Special reading notices, 25 cents per line.

Business cards or miscellaneous advertisements will be received from reliable advertisers at the rate of \$5.00 per agate line for one year.

Annual cards in the Breeders' Directory, consisting of four lines or less, for \$16.00 per year, including a copy of the Kansas Farmer free. Special rates for displayed live stock advertising.

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.

To insure prompt publication of an advertisement, send cash with the order; however, monthly or quarterly payments may be arranged by parties who are well known to the publishers, or when acceptable references are given.

All advertising intended for the current week should reach this office not later than Monday.

Every advertiser will receive a copy of the paper free, during the publication of the advertisement.

Address all communications to

KANSAS FARMER CO.,

116 West Sixth Ave., Topeka, Kans.

## Table of Contents

Abortion, contagious, in cattle.....	324
Alfalfa, reseeded.....	316
Alfalfa, soiling.....	316
Alfalfa to the acre, six to ten pounds of.....	314
Alsike clover.....	315
Arithmetic, a case in.....	313
Boy on the farm, to the.....	320
Bromus inermis for seed.....	315
Census and the assessor, the Kansas.....	324
Cheerfulness, strength of.....	326
Cows, kicking.....	326
Crimson clover.....	314
Dairy cow, ration for.....	326
Dairy cows, experimenting with.....	327
Dairying on a small scale.....	326
Dollars and cents, in.....	320
Fattening ration for a calf.....	318
Flossy's baby.....	321
Fowls drop dead.....	328
Grass questions.....	314
Grasses suitable for Clay County.....	315
He worried (poem).....	320
Household program.....	323
Housewife, the Ideal.....	322
Jackson county corn contest.....	324
Kansas history program.....	323
Nothin' to say (poem).....	322
Oats and speltz combined.....	314
Oklahoma, a winter trip to.....	322
Percheron controversy settled.....	318
Poultry notes.....	328
Poultry pointers.....	328
Problem of the ages, the.....	313
Reading and self-culture.....	322
Roup.....	328
Seed-corn, how to test.....	314
Seeds, look out for impure.....	316
Socialism, State.....	313
Sorghum, varieties of.....	311
Squirrel's philosophy, the (poem).....	321
Suckling sow.....	318
Sunday-school lesson.....	325
Veterinarian, the.....	317
Wheat and alfalfa in Eastern Kansas.....	324
White clover on pasture.....	316

A reader inquires whether teosinte has been grown in Kansas. It has. It makes a rank growth, but needs a longer season than ours. It is not as well suited as Kafir-corn or sorghum for our purposes.

The Kansas oil-producers held a great meeting at Independence last

week. It was realized that a big fight had been undertaken in the contest with the Standard Oil Company. A resolution was adopted expressing confidence in the investigation to be undertaken by Commissioner Garfield.

## A CASE IN ARITHMETIC.

The Weekly Live-Stock Report, of Chicago, takes the KANSAS FARMER and several other papers to task for their criticisms of the Garfield report on the meat trust, and ironically intimates a lack of information on the part of the editors who have dubbed the report a coat of whitewash.

In the cast of Garfield's report, one needs no further information than that of the report itself to warrant severe criticism. As published, the report says that the packers admit making net profits averaging 99 cents on each beef; but, says the report, the investigation carried on by Mr. Garfield showed an average profit 17 cents less or 82 cents. It is further ingenuously admitted that Garfield's young men got their detailed figures from the packers' books and in compiling them reached results 17 cents lower than those of the trust's bookkeepers. How sad for the arithmetic of the young investigators! Or, are we to believe that the packers' bookkeepers have deceived their employers into believing they were making money at the rate of 99 cents when in reality the figures should have been 82 cents? The stockmen of Kansas will be slow to believe that such bookkeeping would be tolerated by the packing trust.

The report gives the impression that the trust was asked if it were poor and honest, and the trust replied by showing a lot of figures that confused the questioners so that they could not add and subtract properly, and this led to young men to finally accept as correct the trust's 99-cent statement.

The report is self-condemnatory.

Here is hoping that Garfield's men may have more wit in dealing with the oil trust.

## THE KANSAS CENSUS, AND THE ASSESSOR.

In spite of the law's being very explicit as to the gathering of the decennial census figures by assessors, and of the assessors taking a solemn oath to faithfully perform such duties, there is here and there one who concludes it will suit his convenience to ignore the law and this part of his work. Occasionally the assessors are encouraged in this by their county clerk or commissioners who argue that it will mean a saving of several dollars to the county treasury. These gentlemen do not seem to comprehend the importance of having their respective counties exploited to the world to the best possible advantage as is done by a census painstakingly and thoroughly compiled.

A striking example of this is afforded by the officials of Atchison County, and the assessor of the city of Atchison, E. O. Post, informs the Board of Agriculture that he proposes "to disregard the matter." The secretary of the board has requested an opinion from the Attorney General's office as

to whether it is optional with assessors to ignore the plain requirements of the law, and is in receipt of the following which suggests that assessors would do well to pay close attention to the census-taking:

"The letter of Mr. E. O. Post, city assessor of Atchison, Kans., relating to the decennial census, submitted by you, has been carefully considered.

"Mr. Post has no choice in the matter. He must perform the official duties attaching to his office as prescribed by the statute. The burdens of any office may be increased by the Legislature without increase of salary, and this occurs very frequently. Moreover, a city assessor who fails to comply with the law in regard to reports required by the State Board of Agriculture may be compelled to perform his official duties by mandamus; he is liable to prosecution and fine under Section 601 of the General Statutes of 1901; and furthermore, his pay for what services he does perform may be enjoined until he does comply with the law.

"If Mr. Post can be made to understand this, it is highly probable that he will reconsider his determination 'to disregard the matter and devote his attention to the usual assessment work and the ordinary census.'"

Signed: C. C. COLEMAN,  
Attorney General.

## THE PROBLEM OF THE AGES.

EDITOR KANSAS FARMER:—I have read with great interest the discussions of present economic problems appearing from time to time in your excellent paper. In your issue of March 16, under the heading, "A National Dilemma," you say that many schemes are presented to avert the threatened evils, and of these a remarkable proportion smack more or less directly of Socialism.

I feel sure that a large number of your readers are depending for their economic philosophy upon these discussions, and I believe such would be grateful for the outline of a scheme, free from socialistic tendencies, which should be comprehensive enough to remedy the existing evils and provide a rational basis for further growth of the Nation's industry with due regard to the ethical aspects of the matter.

McPherson County. C. B. WHITE.

This correspondent makes a request for a very arduous service. Mankind has struggled with this problem since the earliest times. Every legislative body in the civilized world makes some effort at some sort of solution for some part of the problem. The KANSAS FARMER extends its thanks for the sincere compliment of the above invitation, and will continue its endeavors to throw an occasional light on the great problem. But the editor, while possessing a reasonable amount of egoism, is obliged to admit his inability to perform in a manner satisfactory to himself the great service suggested in Mr. White's last sentence.

In economics, the competitive system has been the chief reliance as a regulator of prices and profits. Among conservatives it is still cherished. But, before the great court of public opinion, the competitive system is on trial

as never before. This trial has developed the inquiry whether the evils of monopoly and extortion are properly chargeable to the system, or whether they are not the result of certain artificial—that is to say legislative—interference with the natural working of the competitive system; whether there has been proper restraint of rapacity; whether greed has not had undue influence in restricting the free working of competition. A second inquiry has been raised, i. e., whether it is possible to eliminate the wrongs that cling, like the parasites they are, to the competitive system and to successfully operate so complex a body as modern society on the system which gave only approximately satisfactory results under simpler conditions.

The tendency to give negative replies to these inquiries and to resort to at least tentative trials of some of the propositions of modern socialism, is very marked. It seems indeed imperative that competition show itself capable of freeing itself from parasites and of working reforms of patent abuses or that it must give way for the trial of methods which many thinkers believe will dwarf manhood, and, for the individual independence that has made the Aryans great, substitute a willing dependence upon a paternal Government.

The KANSAS FARMER favors honest efforts to free the competitive system from artificial bonds, to regulate greed and restrain rapacity, believing that the American people possess virtue enough to do this and to still further progress on the lines which made their fathers great.

But, as before remarked, the system is under inquiry. If the great grand jury of the people shall conclude that the process of making Americans subject to an irresponsible paternalism of monopolist conspirators has no alternative but State Socialism, it need scarcely be said that the people will have State Socialism.

It is time for statesmanship to exert its powers.

## JACKSON COUNTY CORN CONTEST.

The Holton Tribune has been for two years conducting a corn-contest among the boys of Jackson County. The Tribune editor furnishes the seed free and makes no charge for entering the contest. He has persuaded the farmers' institute officers to take it up and they have induced the county commissioners to offer \$50 in prizes and expenses. The farmers' institute in November is to be a corn festival. It will be worth a trip of 100 miles. The editor of the KANSAS FARMER considers himself invited to attend.

The Holton Tribune has been doing excellent work in preaching the gospel of corn.

Here are the names of the boys who had entered the contest up to March 10:

## JACKSON COUNTY CORN CONTEST BOYS.

1. Stambaugh, Floyd, Whiting.
2. McAlexander, Clarence, Mayetta, Route 1.
3. Hamilton, Everett, Mayetta, Route 1.
4. Hamilton, Chester, Mayetta, Route 1.
5. Daniel, Virgil, Whiting, Route 1.

(Continued on page 324.)



## Agriculture

### Varieties of Sorghum.

What kind of sorghum would you recommend? I want a kind that remains sweet; the kind most people raise around here gets sour after being frozen a few times. Have you seed for sale, and at what price?

I thought some of growing sorghum and Kafir-corn quite extensively, and just topping it and letting the stalks be eaten by the stock in the field.

Have you any reading matter on sorghum and experience in pasturing it in the field? I see by your Kafir-corn bulletin that it does not mature well in the west part of the State. Do you think it will do well in the east part of Gove County? I see by your report for the years 1897-'98-'99 that Gove County's average on corn was as good as Mitchell's.

I am glad to see that Kafir-corn and alfalfa make a good balanced ration for hogs and dairy cows. I have 90 acres of alfalfa in now, and it yielded four crops last year. J. F. WALZ, Mitchell County.

At this station the varieties of sorghum grown in 1903, which gave the largest yields of stover in the order of their yields are as follows:

Name of variety.	Stover per acre.	Grain per acre.
Kansas Orange	7.5	23.1
Coleman	7.4	40.5
Early Amber	7.3	22.8
Kavanaugh	6.8	33.7
Fodder	6.1	29.3
Folger	5.7	29.6

The amount of seed which these varieties produced is also given in the above table. In order to find the total yield of the crop per acre, the seed and stover should be added. The Kavanaugh is a late-maturing cane, the Early Amber is an early-maturing variety, while the others are medium early. All varieties of sorghum will sour after having been frozen, and as far as varieties are concerned I do not know that there will be very much difference in this respect. The maturing of the cane would have something to do with the souring. If the cane was fully matured it would not sour so readily, or to such an extent as immature cane, also the curing of the cane will have much to do with its souring. Well-cured cane will pass through the winter in good condition. We have even been able to stack the well-cured, sowed cane and have it keep well. In order to properly cure the crop, the cane should be seeded rather early and thickly. This will allow an earlier harvest and the finer stalks will dry out much more readily than the coarser. Also, the finer stalks make a better quality of hay which is easier to handle and stack than the hay from coarser stalks. Perhaps one of the best varieties to sow for fodder is the Early Amber, especially for your part of the State, since it is an early maturing variety and a cane of good quality. To get the best quality of fodder for curing, handling and feeding, about one to one and one-half bushels of seed per acre ought to be seeded.

Planted early, Kafir-corn should mature and produce well in Gove County. A. M. TENEYCK.

### Six to Ten Pounds of Alfalfa to the Acre.

EDITOR KANSAS FARMER:—As I notice many inquiries about seeding alfalfa I will give some ideas gathered from long and extensive experience. A great deal has been written upon the subject, and while there seems now to be a consensus of opinion upon three general propositions on spring seeding, viz., (1) "Prepare a good seed-bed;" (2) "Sow after danger of frost is past;" (3) "Seed twenty pounds to the acre," I can not agree with either of them. As to the first proposition, very little preparation of the ground is necessary. As early in March as the ground can be worked, rake and burn the weeds and stubble or corn-stalks on any ground you wish to seed. If the ground is level, harrow over about three times and you are ready to sow. If corn-stalk ground, disk it lightly and harrow till level.

Now do not wait for danger from

frost to pass. If you do, don't sow at all in the spring, as weeds and drouth will kill ten times where frost kills once.

Don't sow twenty pounds to the acre. If you do, the plants will all be weak and will not stand adversity, and anyway it will be but a survival of the fittest in the end. There are over 300,000 seeds in one pound. You have about eight seeds to the square foot with one pound. If the seeds are all good, it will be too thick. Alfalfa at four years old will not average four plants to the square foot. The survival of the fittest has been going on and this is the result whether you grow four pounds or twenty pounds.

When my father sent me out to plant corn he reminded me that I should plant "one grain for the devil, one for the crow, one for the cut-worm, and one to grow." So when I seed alfalfa, I use six to ten pounds, according to the quality of the seed. If using a drill, six pounds is ample, but if broadcasting, sow eight pounds or more. I have a magnificent stand where I broadcasted six pounds.

It cost me thousands of dollars to learn these lessons. To recapitulate: Take any old ground, harrow and sow in Central Kansas late in March or before April, six or eight pounds to the acre. If you have a field that is not a good stand, harrow late in March, or sow in the vacant spots. Riley County. C. B. DAUGHTERS.

### How to Test Seed Corn.

The Nebraska Experiment Station gives the following excellent directions for testing seed-corn:

"A convenient home-tester can be made by taking an old baking-pan of large size or a shallow tray made of boards, tightly wrapping around it, at intervals of about an inch and a half, crosswise and lengthwise, a long piece of strong cord or light wire, and filling it with fine, moist soil or sand. The surface of the soil or sand in the tray will thus be marked off into inch and a half squares. The squares may be marked more permanently by fastening the cross wires in the sides and ends of the tray. A tray of this kind, two by three feet in size, will be large enough to make an individual ear-test of about five bushels of seed-ears at one time.

"The test will not be complete unless each ear is tested by itself. Take five kernels out of each ear, from different parts, and place them in one of the squares in the tester, pressing them firmly into the soil. The ears of corn should be so arranged in single rows on a shelf, table or floor that the one corresponding to each square in the tester can be easily located. After the tester is filled, moisten the soil thoroughly, cover with an old gunny-sack to keep the surface from drying and set in a warm place, but not near a stove. The ordinary living-room or a place of similar temperature will do perfectly. Keep the soil thoroughly moist. All kernels which do not send out strong root- and stem-sprouts within five days, under these conditions, should be considered as too weak to properly germinate under ordinary field conditions. If the germination of any lot of kernels is unsatisfactory, the ear from which they came should be discarded. About 95 per cent of the kernels should germinate strongly within the five days."

### Grass Questions.

In the early part of last May we planted a field to grass (Bromus inermis, meadow fescue, alfalfa, clover, etc.), and got a good stand. The field was plowed in the spring; some of the ground was a little too loose when planted, but the rains later on firmed it. On July 19, 1904, this field was mowed; we got about one-half ton per acre. On September 1, 1904, this field was again mowed, and we got about one ton of hay per acre (mostly crab-grass). The clover was beginning to blossom and the meadow fescue beginning to head. The grass grew well from then on until hard frost; much of the Bromus inermis was then headed out, but I do not think the seed was anything like fully matured. Soon after the first hard frost the Bromus inermis appeared to be killed, it dried

out and did not grow any more last fall. Now some that was headed out is dead, some is growing and about one-half of some of the bunches are growing. We planted a little in an alfalfa patch where there wasn't much alfalfa, a little later than the above-mentioned planting. This was mowed three times last season (when the alfalfa was mowed), it did not head any, stayed green later in the fall, and is greener now than the headed is. (Under separate cover I send you two bunches, one dead and one part green.)

How do you account for this? Is it a common occurrence? How could it have been prevented, if it could? I would like to know as I want to plant some grass this spring. Any information will be appreciated.

Shawnee County. C. BLACKLER.

The samples of grass which you send us are not Bromus inermis but common chess (Bromus secalinus). This is an annual grass and probably the Bromus-seed which you planted last spring was badly mixed with chess, the chess made a stand while the Bromus inermis made little or no start. The piece which you sowed later but which you kept cut down and did not allow to seed, shows some green because when the chess is not allowed to seed some of the plants may live through the winter, or starting late in the summer the chess will live through the winter the same as it does when planted with winter wheat. Also from a close examination of the samples sent, I think there is a small sprinkling of Bromus inermis plants but probably not enough to make anything of a stand. Perhaps the best plan will be for you to plow up these fields at once and plant to some cultivated crop one or two seasons in order to clear the land of chess. The field in which you allowed chess to seed last season will have an abundant supply of chess-seed which will start this season. Of course, if there is any considerable amount of grasses and clover started it may be advisable not to plow up the field but the chess should be kept from seeding this year by early mowing and by this method you will largely clear the land of chess. On the whole, the safest plan will be to re-seed clean ground with clean seed of Bromus inermis. You must have tried to save a little money last season by buying some cheap grass-seed. It does not pay, as you see; better buy the very best seed even at an advanced price; the best is the cheapest. A. M. TENEYCK.

### Crimson Clover.

Will you please let me know through your paper when and how to sow crimson clover? T. L. OLER.

Labette County.

Crimson clover should be sown fairly early in the spring, about the same date as alfalfa or common clover would be sown, and the preparation of the seed-bed, methods of sowing, etc., should be practically the same for crimson clover as for alfalfa and common clover. It is usual to sow from 10 to 15 pounds of good seed per acre.

At this station crimson clover has proved to be an inferior crop. Sown in the spring of 1903 it produced only one light cutting during the season, yielding less than a ton of forage per acre. I would not advise to sow it in any large way.

If you prefer to grow some annual legume for a fertilizer as well as for the production of forage, the cow-pea is a crop much preferable to crimson clover, and field-peas or sand vetch are both preferable to the crimson clover. A. M. TENEYCK.

### Oats and Speltz Combined.

I have a field of bottom-land that I would like to sow to oats and speltz mixed. I think that the speltz would keep the oats from going down in a wet season. Will they ripen at the same time, and in what proportion should they be sown? I. S. SMELTZ, Dickinson County.

I have never grown speltz and oats together except for hay. A combination of speltz and oats makes very good hay provided a rather late variety of oats is chosen, such as will ma-

RUB ON  
**Painkiller**  
and the Rheumatism's gone.

**PEACH** and other fruit trees at wholesale prices. Circular free. R. S. JOHNSTON, Box 17, Stockley, Del.

**STAR** best by Test—75 YEARS. We **PAY CASH** WANT MORE SALESMEN Weekly Stark Nursery, Louisiana, Mo.; Huntsville, Ala.

**ALFALFA** New crop bright clean, vital seed Write for price. **SEED** GEO. H. MACK & CO., Garden City, Kans.

**CHOICE STRAWBERRY PLANTS** ONLY \$2 PER 1000. 30 varieties to select from. TWENTIETH CENTURY FRUIT FARM, Atlantic, Iowa.

**HAVE YOU GOT A DOLLAR** 25 Grafted Apple Trees for \$1 Other Hardy Trees 25 Budded Peach Trees for \$1 and vines very cheap. A 50 Concord Grape Vines for \$1 due bill good for 25¢ and catalog free. Write for it We pay freight on \$10.00 orders. FAIRBURY NURSERIES, Box 1, Fairbury, Neb.

**TREES THAT GROW** Hardy varieties; yield big crops. Grafted Apple, 45¢; Budded Peach, 35¢; Black Locust Seedlings, \$1 per 100. **GERMAN NURSERIES** Box 9, Beatrice, Neb.

**Fruitful Trees** High in Quality Low in Price Millions of Fruit and Forest Trees, Apples, Peaches, Cherries, Grapes and Strawberries, R. Mulberry and Black Locust Seedlings at special prices. Freight prepaid on \$10 orders. Guaranteed to reach you fresh and bright. Don't miss our free catalogue. **GAGE COUNTY NURSERIES** Box 625 Beatrice, Neb.

**EVERGREENS** forest trees, nursery grown and hardy everywhere. All sizes for all purposes, at lowest prices. \$50 to \$1000. lot all first class, prepaid, \$1 to \$100 per 100. Catalogue and bargain sheet free. D. Hill, Evergreen Specialist, Dundee, Ill.

**GUARANTEED NURSERY STOCK AT WHOLESALE** We have a heavy surplus of all kinds of choice nursery stock to offer for spring. Send for our "Wholesale Prices." We will save you money. We guarantee every order. **HART PIONEER NURSERIES** Box F, Fort Scott, Kans.

**CORN THAT GROWS** 95 Per Cent Strong. Eighteen varieties. Bred and grown by a twenty-year corn-breeder, with extensive trade that covers the United States, including your country, who knows from Kansas customers' reports, the kinds that yield heavily and mature well there. \$1.30 per bushel for shelled, \$2.00 per bushel for selected ears, bags free. Cash with order. We will send your money's worth. Catalogue, proof and samples free. Address to-day Corn Breeder, Decatur, Ill.

**This Potato Free** This NEW POTATO is just what everyone is looking for. Drouth and blight proof, and the earliest on record; nothing can equal it; best quality and smooth, while its yielding qualities are simply marvelous. We are raising stock to offer in 1906, but want to test it this year in every section of the country to make good our claims, and we offer One Sample Potato for testing free to anyone enclosing 15¢. to pay for postage and packing. It will be carefully packed from frost, and it is worth many dollars to those fortunate enough to get one. Our New Seed Catalogue for 1906 is free and will be sent with every potato. If you enclose address of two families who buy seeds, we will include Free Sample Great Corn Novelty to be offered next year. Send to-day. FAIRVIEW SEED FARM, Box 651 Rose Hill, N. Y.

**AN ARBOR VITAE HEDGE** 150 FEET LONG FOR ONLY \$2.00



200—4 to 8 inch Trees \$2.00 Delivered Or 150—8 to 12 in. Trees \$2.00 anywhere An illustrated pamphlet of Planting Instructions free with every order, by following which each tree will live and thrive. Over 1,000,000 sold last spring and all were pleased. Sold in \$3.00 lots only, transportation fully prepaid. Ready to ship now. Order as many lots as you want and order now. **EVERGREEN NURSERY CO.** Catalogue sent Free. Sturgeon Bay, Wis.

**Largest Optical Mail Order House in the West.** Eyes examined free accurately by mail. Any style glasses for \$1. Write for free examination sheet and illustrated catalogue. Satisfaction guaranteed. R. E. Sater Optical Co. 624 Kansas Ave., Topeka



## Corn

We challenge the world to produce a more prolific, early, big eared corn variety than Salzer's Home Builder, so named because 50 acres of this fine corn yielded so heavily that its net proceeds built a beautiful home for the lucky possessor. See catalog.

Here are some of the yields our customers had of this corn:

157 bu. per acre.  
By John Fliegel, La Porte Co., Ind.

160 bu. per acre.  
By O. E. Michael, Mont. Co., O.

196 bu. per acre.  
By Richard Spaeth, Lake Co., Ind.

198 bu. per acre.  
By J. D. Walker, Hamilton Co., Tenn.

220 bu. per acre.  
By Lawrence Schelstel, Ogemaw Co., Mich.

225 bu. per acre.  
By J. W. Mussey, Crockett Co., Tenn.

304 bu. per acre.  
Ray Stearns, Ransom Co., N. D. says: "Ripened in 120 days. Yielded 304 bu. per acre. Next year I will grow 400 bu. per acre from it."

### National Oats.

Enormously prolific. Does well everywhere. It won't let your acre produce less than 100 bu. Try it.

### Billion Dollar Grass.

Most talked of grass in America. Would be ashamed of itself if it yielded less than 14 tons of splendid hay per acre.

### For 10c. in Stamps

and the name of this paper, we will gladly send you a lot of farm seed samples, well worth \$10.00 to get a start with, together with our mammoth 140 page illustrated catalog, describing such novelties as Arid Land Barley, Macaroni Wheat, Two Foot Oats, Fox Oat, Teosinte, Victoria Rape. Send the 10c. today.

## JOHN A. SALZER SEED CO.

LA CROSSE, WIS.

## TREES

**OF ALL KINDS** Save agent's commission of 40 per cent by ordering direct from us at wholesale prices.

**BIG DISCOUNTS OFFERED YOU** See price list, send for it now. Certificate of genuineness furnished that our stock is TRUE TO NAME. Satisfaction guaranteed. Address

**WICHITA NURSERY, Box B, Wichita, Kas.**

## SEED POTATOES

PURE EARLY OHIOS

Farmers and merchants supplied by bush or carlot. Write for prices.

**H. C. BOCKOVEN, Clark, South Dak.**

## GREGORY'S SEED CATALOGUE

FOR 1905

Gregory Seeds

In our free catalogue for farmers we have added a special page for the gardens of boys and girls.

J. J. H. GREGORY & SON,  
Marblehead, Mass.

## Around the World

"I have used your Fish Brand Slickers for years in the Hawaiian Islands and found them the only article that suited. I am now in this country (Africa) and think a great deal of your coats."

(NAME ON APPLICATION)

**HIGHEST AWARD WORLD'S FAIR, 1904.**

The world-wide reputation of Tower's Waterproof Oiled Clothing assures the buyer of the positive worth of all garments bearing this Sign of the Fish.

**TOWER'S FISH BRAND**

A. J. TOWER CO., Boston, U. S. A.  
TOWER CANADIAN CO., LIMITED,  
Toronto, Canada.

ture at about the same time that the speltz matures. The early oats, such as the Texas Red, Kherson, and Sixty-Day, mature too early to sow with speltz. If your purpose is to harvest a combination of speltz and oats for grain, it will be even more necessary that you secure a variety of oats which will mature so as to be ripe with the speltz. The Texas Red oats matures in about 100 days at this station, while it requires 110 days to mature speltz. In 1903 and 1904 we only grew two varieties of oats which matured sufficiently late so that they could have been used to sow with speltz. These varieties were the Tartarian and the Black Tartarian. Because of their maturing season, however, these varieties proved to be among the poorest yielders of grain.

It is my judgment, therefore, that it will not be advisable to sow a combination of speltz and oats for the purpose of harvesting for grain, since the varieties which you would grow to produce the best crops of oats are the earliest maturing sorts, which would not be suitable at all for sowing with speltz.

It is possible the speltz might tend to keep the oats from lodging to some extent, but probably they would have but little effect in this way. On a piece of alfalfa land last season the speltz lodged as badly as the oats, and we were obliged to cut both the oats and the speltz for hay.

If the oats and speltz are sown together for forage purposes, they may be sown about half and half each, by weight. It is well to sow oats on medium fertile land in order to avoid lodging in a wet season or in a season favorable for growth.

A. M. TENEYOK.

### Bromus Inermis for Seed.—Alsike Clover.

I would like to know what you think of sowing Bromus inermis with the intention of using it primarily for the production of seed? Do you think it would be profitable? How does it yield compared with English blue-grass? Does it produce seed with the same regularity as blue-grass? Do you consider it harder to get a good stand of Bromus than of most other grasses? How much seed would you use per acre, when the primary object is seed-production?

Would also like to know if you consider Alsike clover of great value. I have heard the claim made for it that it is as hardy as white clover, that it grows as large as common red clover, that it will stand very close pasturing by cattle or hogs, and will do well on uplands.

If you have any bulletins relating to the different grasses, I would be pleased to receive them.

Osage County. W. C. WILLIAMS.  
Bromus inermis is a profitable crop to grow for seed. The first, second and third years after seeding, yields of 200 to 400 pounds per acre of Bromegrass seed may be harvested. This seed retails now at from \$10 to \$12 per hundred pounds.

After about the third year the Bromus inermis usually gets too thick and sod-bound to produce profitable seed-crops, and it is then best to break the sod and rotate with corn or other crops for a few years, seeding new fields to Bromus inermis. By this method you will not only produce more profitable crops of seed, but the grass makes an excellent rotation for corn and other crops.

Where Bromus inermis is adapted for growing, it will yield fully as much seed as the English blue-grass. Possibly in the eastern counties of the State where English blue-grass grows to perfection it may be the superior seed-producer. As to the regularity with which Bromus inermis seeds, I have not observed that the seasons affect the yield of seed from this grass more than from other varieties. When the grass gets old, however, it produces little seed.

It may be harder to get a good stand of Bromus inermis than to get a stand of English blue-grass or timothy, yet possibly this has been the experience in the past largely because a great deal of poor seed has been planted. With a well-prepared seed-

bed and a good quality of seed, a careful farmer will be as sure to get a good stand of Bromus inermis as of any other grass. For the purpose of producing seed I would not sow more than 12 to 15 pounds of good seed per acre, being careful to evenly distribute the seed; this may be done by hand-sowing if one is practiced in the work. We use the little wheelbarrow seeder with the Brome-box attachment. There are several of these seeders on the market.

I am pleased to see that you are contemplating growing Bromus inermis for seed. One of the difficulties we have had to contend with in introducing this grass is poor seed. Seed grown in this State will certainly be better adapted for planting here than the imported seed, and from the little experience we have had with seeding the grass at this station, I am sure we can grow an excellent quality of Bromus inermis seed.

Alsike clover is not an upland clover; it is rather adapted for growing on bottom-land, or on wet, poorly drained upland. It is the wet-land clover. Probably it is hardier under certain conditions than the red clover and it may be as hardy as the white clover. It does not grow quite so rank as the common white clover, and produces on the upland at this station a less yield of hay per acre than red clover. As to its pasturing qualities, I am not able to give definite information, but am certain that for bottom lands or for poorly drained uplands it will be very advisable to seed the Alsike clover for pasture with other grasses.

Under separate cover I mail you copy of Bulletins Nos. 125-129, giving information regarding the seeding and culture of Bromus inermis and English blue-grass.

A. M. TENEYOK.

### Grasses Suitable for Clay County.

Please inform me through the KANSAS FARMER of the best grass or combination of grasses adapted for pasture in this section of the country. The ground that I wish to seed down is a black loam upland in Clay County. Please state also when to sow and how much per acre, and where the best seed may be obtained.

J. J. SCHWAB.

### Washington County.

I have mailed to you copies of Press Bulletins Nos. 125 and 129, giving information about grasses. The following is a good combination of grasses for pasture on upland or on any well-drained land in Clay County: English blue-grass, 10 pounds; Bromus inermis, 10 pounds; red clover, 3 or 4 pounds per acre. At this station we have found the Bromus inermis to be superior to the English blue-grass for pasture. It is hardy, makes an early start in the spring, grows late in the fall and produces a firm, thick sod. However, the English blue-grass also makes a good pasture-grass and usually no mistake will be made by sowing a combination of these two grasses for pasture. I would always include some perennial legume, such as clover or alfalfa. Alfalfa may be used instead of clover in combination with the grasses named. There is some danger of injury to stock in pasturing alfalfa and this may be considered as an objection to its use as a pasture. However, injury is not nearly so apt to result from pasturing cattle on alfalfa in combination with the grasses, as by pasturing alfalfa seeded alone. We have pastured the combination of Bromus inermis and alfalfa to some extent at this station with no bad results. Several farmers in different parts of the State have also pastured alfalfa and Bromus inermis seeded together and the cattle have not been injured. However, in Clay County the clover will grow well with the grasses and possibly the clover may be more safely used for pasture than the alfalfa. You understand that the legumes, such as the clover and alfalfa, are able to take their supply of nitrogen from the air by means of the bacteria which grow on the roots of the plants. In this way the legumes serve as host plants or feeders to the nitrogen-exhausting grasses, and this is the reason why clover or alfalfa

## Allen's Lung Balsam

will positively break up a deep, racking cough past relief by other means.

## THE IDEAL CEMENT POST

YOU NEED IT.  
Write for information to  
C. L. CATHERMAN, ELKHART, IND.

**FIELD POST** Made where used. No freight charges. Simple of construction. Excels in beauty, convenience and strength. Costs little more than oak or locust, will last for all time. Renders universal satisfaction. Reliable men wanted who can work territory. Descriptive matter free. Address with stamp, ZEIGLER BROS., Hutchinson, Kans.

## KRAUSER'S LIQUID EXTRACT OF SMOKE

New way to smoke meat in a few hours with KRAUSER'S LIQUID EXTRACT OF SMOKE. Made from hickory wood. Delicious flavor. Cleaner, cheaper. No smokehouse needed. Send for circular. E. KRAUSER & BRO., Milton, Pa.

## TELEPHONES

FOR FARMERS' LINES  
Buy from the manufacturer. Build your own lines. Book of instruction free. Write nearest office.  
THE NORTH ELECTRIC CO.  
197 St. Clair Street, Cleveland, Ohio  
442 Main Street, Dallas, Texas.

**\$10.00** Sweep Feed Grinder.

We manufacture all sizes and styles. It will pay you to investigate. Write for catalog and price list.

**\$14.00** Galvanized Steel Wind Mill.

**CURRIE WIND MILL CO.,**  
Topeka, Kansas.

## 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.

## 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 is FREE.

**Austin Manufacturing Co., Chicago**

## Prevent Tongue Dropping

by using Ziegler Automatic Lock Centers on your buggy or spring wagon yokes. Made of malleable iron, guaranteed. If your dealer does not have it send 75 cents for one prepaid.

## The Ziegler Neckyoke Co.,

Department A, Coffeyville, Kansas.

## Wire Fence 29c

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 62, Leesburg, O.

## PAGE

**WHY NOT BUY** a poultry fence that will not only fence poultry IN, but heavy stock OUT? Page Poultry Fence costs no more erected than common nettings, looks better and lasts a life-time. Write us.

Page Woven Wire Fence Co., Box 7843, Adrian, Mich.

## GRISWOLD SQUARE FENCE

is scientifically built. We make the wire and weave the fences. Specially galvanized to last. Stays 6 or 9 in. apart. All heights for all purposes. Prompt shipments from factory. Free catalogue.

Dillon-Grissold Wire Co., 57 Wallace St., Sterling, Ill.

## FARMERS FRIEND FENCE

AT FACTORY PRICE.

A farmer knows what it takes to make a good fence. This Ideal Hog Fence was invented on a farm by a farmer to supply his needs. Your needs are no different. It's Just the Thing for Hogs, and so very good for large stock that everybody wants it. Stay and line wires are inter-twisted. You Can't Slip Them. It costs so little because sold direct to you. Catalog free.

FARMERS FENCE CO. Box 50 Helvera, Kans.



should be included in every pasture combination. By growing clover and alfalfa with the grasses the pasture will not only produce more grass in a series of years but it will remain productive for a longer period of time and when the land is broken again and planted to other crops, its fertility will have been improved so far as the accumulation of nitrogen and humus is concerned. A. M. TENEYCK.

#### White Clover on Pasture.

I have a calf pasture of 20 acres on limestone upland, in which the old sod has been largely killed out, and I have thought of sowing some white clover on it for my bees. Would the clover furnish any grazing for stock and would it take the ground? Would the clover do to just sow on the land and let the rains cover the seed. I have little knowledge of clover.

Elk County. A SUBSCRIBER.

If you disk the old pasture and sow a little white-clover seed over it early in the spring, I have no doubt that some of the seed would grow and you would get a fair crop of clover. The white clover will thicken up even if it does make a very thin stand at the beginning. The clover will furnish a great deal of feed for bees as you have suggested and also make excellent pasture for stock along with the grasses which you will grow with it. If you should scatter the seed over the field without any cultivation, probably some of it would start, but your prospect of getting a catch will be much better if you will disk the pasture as I have suggested. You might have seeded clover without cultivating the land if you had sown late in the winter or early in the spring before the frost was out of the ground. But at this date I should prefer to loosen the land with the disk or harrow previous to sowing white clover.

A. M. TENEYCK.

#### Look Out for Impure Seeds.

EDITOR KANSAS FARMER:—The botanical department of the Kansas Experiment Station has lately received several samples of alfalfa-seed for examination as to its purity. In one sample there were not to exceed two alfalfa seeds, out of sixty or seventy, the rest being weed-seeds of several species. There must be many more cases in the State of impure seed being sold which is likely to result in considerable financial loss to the farmers. As seeding-time is now at hand, every farmer who entertains any doubt as to the purity of seed he is purchasing, should send samples of the same at once, addressed to Botanical Department, Kansas Experiment Station, and a report will be promptly furnished. It should be further understood that the experiment station makes no charge for such examinations.

We have further found, in recent years, that the Brome and English blue-grass seed being sold in the State is, in many cases, very impure, and that the sowing of the same has given cause for bitter disappointment in many instances. The botanical department has now one of the largest, if not the largest collection of seeds in the West, and is prepared to give prompt and reliable information with regard to the purity of seed samples and the species of weed-seeds present in adulterated samples. If you will kindly give publicity to this notice, in the KANSAS FARMER, it may be of considerable assistance to many farmers, just at this time. H. F. ROBERTS.

#### Reseeding Alfalfa.

Eight acres of alfalfa which we sowed last September came up very well except in a few spots. How can I best start, or get a stand on these spots? The drill ran a little too deep in these places. Would it help to use a sharp harrow on the whole piece early this spring? We sowed the piece in the early part of September, and it grew well from four to fifteen inches high, and has wintered all right.

Several persons to whom I have spoken about it, and articles which I have read in papers, have discouraged me in expecting to get a start or stand

where there is a failure in the first sowing, except of course to prepare the ground all over again. But still most of the eight acres is a very good stand. Wherever I used the little hand-seeder and harrowed it in just after a rain, it did well; but we did not succeed in running the press-drill shallow enough in spots over the field where the soil was extra mellow. Unless I have reason for changing my mind in this regard in the future I will use only the hand-seeder, roller and harrow. In this locality by sowing after a good rain a person is sure of a good stand.

Will thank you for answer as to re-seeding the spots and harrowing the whole piece. J. W. COUNTS.

Douglas County.

If the alfalfa has stood the winter well, it will take no harm from harrowing with a good sharp harrow, as you have suggested. I would advise that you sprinkle a little seed on the thin spots. If the spring is favorably moist, the seed will start, and without doubt in the thinner places some of the young plants will succeed in establishing themselves, and thus thicken and even the stand on the whole piece. If you should not succeed in thickening up these thin spots this spring, you may disk and harrow the alfalfa in the fall when you cut the third crop, and sprinkle a little seed again on the places where the alfalfa is too thin. By some farmers, this method is claimed to be more successful than the method of reseeded in the spring.

If the seed-bed is thoroughly prepared, the method of broadcasting and harrowing lightly once to cover the seed—provided the ground is in a moist condition when the seed is sown—is in my judgment a safe method to follow in seeding alfalfa in this part of the State. Possibly in the Western part of the State seeding the alfalfa with a drill is a surer method of getting a stand. And on light soils which dry out quickly and which will stand deeper seeding, the method of seeding with the drill may be preferable to broadcasting. As a rule, we seed alfalfa by the broadcasting method at this station with good success.

Important factors in getting a good stand of alfalfa are to have the seed-bed fully prepared, and sow at a time when the seed will germinate, being careful that the seed is good.

A. M. TENEYCK.

#### Siloing Alfalfa.

Can I safely put green alfalfa into a stone silo without chopping it?

Shawnee County. W. H. HOLMES.

It would not be advisable to put the whole or unchopped alfalfa into the silo. If the alfalfa were very green and great pains were taken to tramp and pack it, the silage might keep all right, but it is more likely to spoil considerably—at least all around the outside of the silo—because it will not be possible to pack it tight enough to exclude all the air. In fact, it has been found at this station that alfalfa does not pack tightly even when it is cut up to keep well in the silo.

Also, at this station we have found it difficult to get alfalfa to the silo perfectly green, and it has been found advisable to wet the alfalfa as it is put into the silo. I have not had experience with siloing the unchopped alfalfa, but have siloed clover in this way and had some difficulty in packing it so as to exclude the air, and it spoiled for several feet about the sides of the silo. Altogether, it is safer to run the alfalfa through a cutter, and then great care must be taken to tramp and pack it, and it should be put in as green as possible. A. M. TENEYCK.

The criminal code of China has been revised and "slicing to death" has been done away with. It is said that all forms of torture will soon be abolished.

#### Are You Going East?

In making your arrangements for your vacation this summer it would be well to consider convenience and saving of time. The Wabash with its own rails to St. Louis, Detroit, Toledo, Pittsburg, and Buffalo is the shortest line, makes the best time and furnishes the best accommodations. Through service to New York and Boston.

Ask your local ticket agent for tickets over the Wabash, they all sell them.

## A KALAMAZOO DIRECT TO YOU



We will send you, freight prepaid, direct from our factory any Kalamazoo Stove or Range on a

### 360 Days Approval Test.

If you are not perfectly satisfied with it in every way, return it at our expense. No quibble nor trouble. We guarantee under a \$20,000 bond that there is no better stove or range made than the Kalamazoo, and we save you from 20% to 40% because we give you

### LOWEST FACTORY PRICES.

We have exceptional facilities for manufacturing; we own and operate one of the largest and best equipped stove factories in the world, and we are the only actual manufacturers who sell the entire product direct to the user by mail. If you want the best procurable article at a big saving, we know we can satisfy you.

### Send Postal for Free Catalogue No. 189

describing full line of cook stoves, ranges and heaters of all kinds for all domestic purposes and for all kinds of fuel. All of the highest quality, built with special reference to long life and economy of fuel. All blacked, polished and ready for immediate use. All cook stoves and ranges equipped with patented oven thermometer. It saves fuel and makes baking easy.

WE PAY THE FREIGHT

Investigate our offer and save money.

KALAMAZOO STOVE CO., Mfrs. Kalamazoo, Mich.



### BUY GRAND PRIZE ALFALFA SEED

Our Alfalfa Seed Exhibit won the Highest Award at St. Louis Exposition, in competition with all Alfalfa Seed producing countries of Europe and the United States. We also handle Macaroni Wheat, Cane, Kafir-Corn, Jerusalem corn, and other farm seeds. Write us for prices on carloads or bushel lots. McBETH & KINNISON, Garden City, Kansas

## SEED

Grown in Fremont County, Iowa, the best Seed Corn County in the State. We do not give a lot of free things you do not need, but your money's worth in seed corn, or other seeds you may need. We ship corn in ear when you want it so. Write today for a catalog and samples of our different kinds of seeds, if you want the best. Write to, ROSS & FERREL, Farragut, Iowa.

## CORN

## SEEDS

FIELD, GARDEN, FLOWER. EVERYTHING FOR THE FARMER AND GARDENER. Planet Jr. Garden Tools, Seed Sowers, Bale Ties, Onion Sets, Large Stock Clover, Timothy, Alfalfa, Millet, Cane, Kafir Corn, Potatoes, Blue Grass, Orchard Grass. Write for FREE catalogue. (Successors to Trumbull & Co.) MISSOURI SEED CO., 1428 ST. LOUIS AVE., KANSAS CITY, MO.

J. C. PEPPARD  
1101-17 W 5th St.  
KANSAS CITY, MO.

ALFALFA  
MILLET, OAK  
CLOVER  
TIMOTHY  
GRASS SEED

## SEEDS

FARM GARDEN FLOWER



## SEEDS

Illustrated Catalogue Mailed Free.

THE MANGELSDORF BROS. CO.  
Atchison, - Kansas.

## TOPEKA SEED HOUSE

ESTABLISHED 1876

Wholesale and Retail Dealers in Garden, Field and Flower Seeds, Seed-Corn, (Kafir-Corn, Cane Seed and Millet.

All kinds of winter and summer blooming plants and bulbs. Hardy flowering shrubs and climbing vines, hardy ever-blooming Roses a specialty. Choice Fruit Trees, Small Fruits and Grape Vines, Palms and Ferns. Gold Fish and Aquarium Supplies. Poultry Supplies, Oyster-shell, Grits, Bone, and all kinds of Poultry Cures. Send for our catalogues and give us a trial order. Call on or address

S. H. DOWNS, Mgr., 306 Kansas Ave., Topeka, Kans.



## WESTERN SEEDS FOR WESTERN PLANTERS

Most Complete Stock Garden, Field and Flower Seeds  
FULLY TESTED—PURE—FRESH  
FREE 1905 CATALOGUE FREE

Alfalfa, Millets, Sorghum, Brome Grass, Meadow Fescue, Dwarf Essex Rape, Macaroni Wheat, and everything in seeds. Write for our special circular on New Oklahoma Dwarf Broom-Corn. Immense yielders. Best known to date. Full line Planet Jr. Tools. Big stock Tree Seeds. Write to

KANSAS SEED HOUSE, F. Barteldes & Co., Lawrence, Kans.  
or COLORADO SEED HOUSE, Barteldes & Co., Denver, Colo.  
or OKLAHOMA SEED HOUSE, Barteldes & Co., Oklahoma City, Okla.

### WE GIVE YOU TEN YEARS TIME

in which to pay for

Farm and Ranch Land in Kansas, Nebraska and Colorado

All you need to make the land pay for itself and also make you and your family independent for life. Low Prices. Write for full information. FREE.

B. A. McALLASTER, Land Commissioner, Department F. U. P. R. R., Omaha, Nebraska





## The Veterinarian

We cordially invite our readers to consult us whenever they desire any information in regard to sick or lame animals, and thus assist us in making this department one of the interesting features of the Kansas Farmer. Give age, color and sex of animal, stating symptoms accurately, of how long standing, and what treatment, if any, has been resorted to. All replies through this column are free. In order to receive a prompt reply, all letters for this department should give the inquirer's postoffice, should be signed with his full name, and should be addressed to the Veterinary Department, Kansas Farmer, Topeka, Kans., or Dr. C. L. Barnes, Manhattan, Kans.

**Lump-Jaw.**—I have a red coming 3-year-old steer that has a large, hard lump on the right side of the face about a quarter of the way from the eye to the nostril; it has been there since last May and is still growing. I wrote several weeks ago, but not having seen an answer to my inquiry in the "Old Reliable" thought I would write again as I am anxious for an early reply. C. L. W.

**Cabool, Mo.**  
Open the lump on the steer's face and inject into the opening the tincture of iodine. Use this treatment about once daily. Give internally about a dram of potassium iodide in a quart of water daily for ten days, then withhold the medicine for two or three days and begin again.

**Periodic Ophthalmia (Moon Blindness).**—I have a horse that is bothered with sore eyes at times; the eyes will water and a scum cover the eyeballs for a few days, then they will clear up again. What is the trouble, the cause, and is there any cure? J. W.

**Abilene, Kans.**  
Answer.—You might try giving your horse a course of iodide of potassium treatment, giving half a dram daily as a drench in a quart of water, continuing this for two weeks; then withhold the medicine for about a week and begin again. The probabilities are that your horse has a chronic trouble and will be afflicted more or less through life.

**Weak Fore Legs.**—I have a black mare mule colt coming 2 years old that seems to be weak in the front legs. When walking slowly she kinks in the knee or fetlock joint at nearly every step; it is hardly noticeable when she runs and plays, but when standing still she puts one or both front feet forward. The feet seem hoof-bound and not so well developed as they should be for an animal of her size. She is extra large for her age. She has had this trouble from her birth and seems to be getting worse with age. I was in hopes she would outgrow the weakness so did not resort to treatment of any kind. Will you kindly advise? P. H. G.

**Junction City, Kans.**  
Answer.—If you think your mule's feet are not well developed you might try using the following blister: One ounce pulverized cantharides; 1 ounce biniodide of mercury; 8 ounces of lard. Mix thoroughly. Apply this blister with lots of hand rubbing just at the hair-line, and you may need to repeat the blister again in three or four weeks. It is best to grease the part that is blistered three or four days after you have applied the blister. Do not let the animal get her head to the blister while the irritation lasts.

**Ailing Horse.**—I have a 5-year-old iron-grey gelding that seems to have some kidney trouble. He is in good condition, weight about 1,100 pounds. When at heavy work he stops often to urinate; he was very bad last fall while plowing for wheat, stopping as often as twenty times in half a day. I have doctored him but with no benefit. He lost flesh rapidly, and I had to quit working him on the gang-plow. Hitched to a buggy he is all right, but hitched to a heavy load he is bothered again. I am feeding bright prairie hay and corn-chop. He was troubled as soon as I began any heavy work with him this spring. The urine is clear and the horse seems to have no pain or soreness. What can I do for him? W. E. C.

**Bunker Hill, Kans.**  
Answer.—You might give him a small handful of buchu leaves in his feed three times daily. Buchu leaves are on sale at any drug store. I think

## Harvester Talks to Farmers—No. 2.

The Steel and Iron Used in the Champion, Deering, McCormick, Milwaukee and Plano Harvesting Machines.



N buying a harvesting machine—or anything else for that matter—the problem which confronts you is to secure the best machine for the money you pay—best not only in convenience, but in durability, in strength, in long service and substantiality.

The problem confronting the manufacturer who wants a permanent trade is how to produce an article of the highest quality and yet sell it at a reasonable price. He must keep his price down or his trade suffers; he must keep the quality up or his reputation suffers.

This is especially true in dealing with the American farmer, for he is the most discriminating buyer in the world. He will not pay an extravagant price for anything; he will not take a shoddy article a second time, at any price.

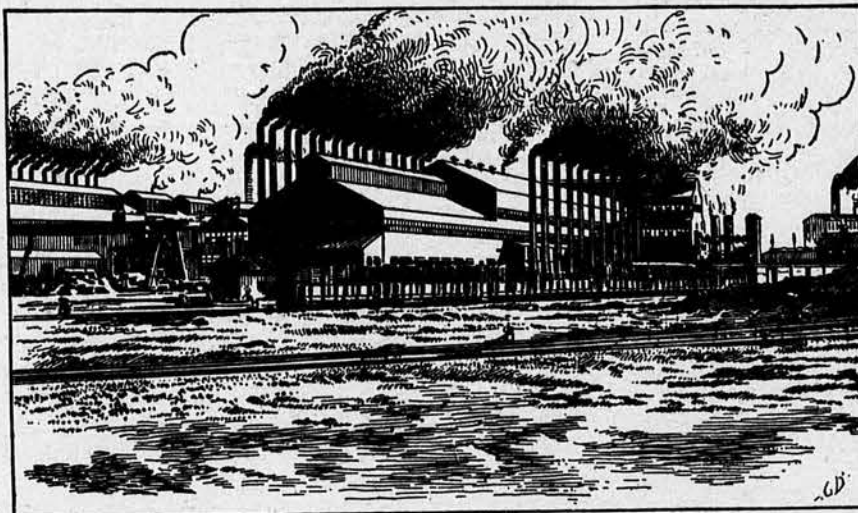
Separately, the manufacturers of the Champion, Deering, McCormick, Milwaukee and Plano machines could not afford to own the facilities for supplying the materials in a raw state for their product, for such facilities can only be operated economically on a large scale. The combined product of these plants, however, is sufficiently large to justify the ownership by the company of the sources of supply of raw material, and it was largely for the purpose of such ownership that the International Harvester Company was organized.

Take the matter of steel and iron as an illustration. The modern harvesting machine contains a good proportion of steel and iron, and in the past few years the price of these commodities has varied greatly. In times of commercial depression stocks of merchandise made of steel and iron in the hands of merchants throughout the country are allowed to run down to the lowest ebb possible, then when times improve these stocks must be replenished quickly. This sudden and enormous demand overtaxes the facilities, and because of premiums paid for quick delivery the prices of iron and steel go abnormally high. At times steel soared so high in price that numerous small establishments were forced out of business, and even manufacturers who had the spot cash to pay for the goods were often unable to obtain steel and iron at the times they most needed them. Owning its own supplies of iron and steel in the raw state the International Harvester Company is

thus independent of such conditions, and cannot be forced to pay these exorbitant prices, but will have these supplies at the cost of producing them. This cost will not vary except to the slight extent that the cost of labor varies from year to year.

The coal mines owned and operated by the International Harvester Company consist of 21,532 acres in Harlan County, Kentucky, producing 15,000 tons of coking coal to the acre—a good 50 years' supply.

The iron mines operated by the Company are in the Hibbing district of the Mesabi range in Itasca and St. Louis Counties, Minnesota, and in the Central Falls district of the Menominee range in Sauk and Iron Counties, Wisconsin. They produce high grade ore of both the Bessemer and non-Bessemer grade—a supply of 35,000,000 tons.



The International Harvester Company's steel and merchant bar mills are in South Chicago, Ill. They cover an area of 50 acres, employ 1,500 men and have a capacity of 900 tons daily. The accompanying illustration gives a partial view of this big steel plant. It consists of two complete blast furnaces, a converting mill, a blooming mill and a merchant bar mill.

When the ore is received from the mine it is first smelted, then converted into steel, cast into steel ingots, reduced to steel billets and rolled into various sizes of rods, flats and ovals required in making harvesting machinery.

This immense plant is admittedly one of the best equipped steel plants in the United States. It has every facility for producing steel and iron of the highest grade. It is manned by skilled and expert workmen and every step in the production of the metal parts of the International machines is under the constant and careful supervision of those who are most interested in maintaining the high quality of the company's product.

This plant and its success is a striking illustration of the old proverb, "If

you want a thing well done, you must do it yourself." The factory superintendent at the Champion, the Deering, the McCormick, the Milwaukee or the Plano plant, knows for a certainty that every pound of steel and iron that goes into the machines he manufactures is right, absolutely right, of the highest grade and free from flaw or defect. He knows also that it is laid down in the factory under his care at as low a price as it is possible to produce good steel and iron, for the cost of its production has not been affected by the speculative fluctuations of the market and every labor-saving, money-saving, quality-improving device known to the art of steel-making has been employed in its production.

This is only one example of the manufacturing policy of the International Harvester Company. The constant aim is to improve the quality of its product in every possible way. Not only its steel, but its lumber and other materials are produced at first hand.

We contend that this policy means much to the farmer who uses harvesting machinery, for it makes possible, and it is the only way in which it is possible—the production of a machine of the highest quality at the lowest cost.

And that is what you are looking for. You cannot afford to overlook this question of

quality, durability, strength, long-life.

You can get this only in the International line, for the International Harvester Company is the only company having complete facilities for manufacturing under modern conditions.

The fact that the demands upon the manufacturing facilities of the International Harvester Company are increasing each year is pretty good evidence that the wide-awake, keen, discriminating farmer is satisfied with its product.

His endorsement is worth something to you.

At any rate, we ask every reader of this little talk to do this:

Call on the dealer in your locality for catalogues and full information relative to the Champion, the Deering, the McCormick, the Milwaukee or the Plano in your own locality. Each dealer understands thoroughly the one line he sells, and carries a complete stock of repair parts. He'll be pleased to show you his particular line.

## The International Harvesting Machines, Champion, Deering, McCormick, Milwaukee and Plano

are very satisfactory to the grain and grass growing farmers of America. They are satisfied because they have received full value for every cent spent for their machines. Their endorsement is worth something to you. They have received greater value than they could get elsewhere because of the superior facilities for manufacturing and the common sense policy of the International Harvester Company.

Remember, The International Lines are Represented by Different Dealers. See them for catalogues.

Binders, Reapers, Headers, Header-Binders, Corn Binders, Corn Shockers, Corn Pickers, Huskers and Shredders, Mowers, Tedders, Hay Rakes, Sweep Rakes, Hay Stackers, Hay Balers, Knife Grinders, Gasoline Engines, Weber Wagons, Binder Twine.

this will do much toward helping your horse. Use it for a considerable length of time, giving the medicine time to act as this is a chronic case and may require some time to effect a cure. If it does not help let us hear from you and we will recommend additional treatment.

**Lump-Jaw.**—I have two cows affected with lump-jaw. I tried a remedy advertised as "Lump-Jaw Cure." I used the medicine according to directions, but it did no good. I then, last October, had a veterinarian operate on them. They soon healed up and seemed all right, and I supposed were

permanently cured, but now the lumps are coming back, and unless something is done for them soon, they will be in a bad condition. Both cows are with calf. I would be greatly obliged for your advice. J. C. T.

Enterprise, Kans.

Answer.—You had better have your cows operated on, opening the lumps freely, after which inject tincture of iodine into the openings made. Internally give daily one dram of iodide of potash in a quart of water as a drench. Continue this for ten days then withhold for four days, and begin again. C. L. BARNES.

### Don't Stop

to make rope fast. Use

#### BURR SELF-LOCKING TACKLE BLOCK

For hoisting purposes: stretching wire, etc. Ask dealers. Write for prices. Agents wanted.

THE BURR MFG. COMPANY  
Cleveland, Ohio



## The Stock Interest

### THOROUGHBRED STOCK SALES.

Dates claimed only for sales which are advertised or are to be advertised in this paper.

March 30, 1905—Rice County Breeders' Association sale at Lyons, Kans.

April 18-21, 1905—Blue Ribbon Cattle Sale at South Omaha. D. R. Mills, Des Moines, Iowa, Manager.

April 19, 1905—Dickinson County Short-horn Breeders' combination sale at Hope, Kans. H. R. Little, Manager, Hope, Kans.

April 19, 1905—Closing out sale of Short-horns, J. D. Stanley, Horton, Kans.

April 28, 1905—Combination Poland-China sale at Coffeyville, Kans. H. E. Bachelder, Manager, Fredonia, Kans.

April 29, 1905—Combination sale of Short-horns and Herefords at Coffeyville, Kans. H. E. Bachelder, Manager, Fredonia, Kans.

May 2-4, 1905—Blue Ribbon Cattle Sale at Sioux City, Iowa. D. R. Mills, Des Moines, Iowa, Manager.

May 16-19, 1905—Blue Ribbon Cattle Sale at Dexter Park, Chicago, Ill. D. R. Mills, Manager, Des Moines, Iowa.

June 6-9, 1905—Blue Ribbon Cattle Sale at Kansas City, Mo. D. R. Mills, Des Moines, Iowa, Manager.

### Percheron Controversy Settled.

We have much pleasure in announcing this week that as a result of negotiations carried on during the past

this result. The officers of the American Percheron Breeders' and Importers' Association are particularly deserving of praise for their part in this final settlement. As a matter of fact they could have gone ahead with their work without further reference to Mr. Thompson's business but through the mediation of disinterested parties the directors of this association have taken the broad view that it would be to the manifest advantage of every owner of Percheron horses in America to have an end to the litigation and unseemly strife that have characterized Percheron registration matters during the past year. Mr. Thompson has closed his office and retires permanently from the business of recording draft-stock. His clientage everywhere should take notice of this fact and hereafter address all communications to the American Percheron Horse Breeders' and Importers' Association, Union Stock Yards, Chicago, Ill.

This association has a membership of more than 400, representing an overwhelming majority of those now recording Percheron horses in the United States, and will undertake at once the issuing of a stud-book that shall perfect American Percheron records to date. All who wish their pedigrees printed in the volume now being made

the amount of grain the calf has been receiving. If he has been receiving a liberal grain-ration he can be allowed about all that he cares for; otherwise it would be necessary to start him on a small feed and increase it gradually as he is able to take care of it.

R. J. KINZER.

Assistant Animal Husbandry, Kansas State Agricultural College.

### Sucking Cow.

I have a cow that sucks herself. What is a good remedy? Dickinson County. F. L. LLOYD.

Answer.—Several devices are made to prevent cows from sucking themselves. One is a muzzle made of wire similar to those placed on calves to prevent them from sucking the cows. With these on they can graze and eat all right, but when they try to suck, the muzzle falls over the mouth. Another device successfully used is made thus: Take a tough piece of hickory or oak, about 1½ inches through, bore a hole in each end, tie one end to the cow's halter and the other to a strong strap placed around the cow's body. The length of the stick should be the same distance from the strap to the halter and should pass between the cow's fore legs. The rigidity of the



GERMAIN (52301) 40195.

A black, 2-year-old Percheron, imported last October. A heavy weight, sound as a gold dollar. Prospective buyers should visit the barns of the Lincoln Importing Horse Co., Lincoln, Neb., or write us for catalogue.

thirty days between the officers of the American Percheron Horse-Breeders' and Importers' Association and Mr. S. D. Thompson an amicable adjustment of their differences has been reached. Soon after the appearance of the editorial published in these columns December 28, in which we urged harmony in this matter, Mr. Thompson proposed that the managing editor of The Gazette be permitted to arbitrate all matters in dispute. This led to a reopening of the negotiations which had been previously abandoned and on Saturday last an arrangement was reached satisfactory to all parties concerned and the instrument reproduced herewith was duly executed.

Chicago, Ill., March 4, 1905.

To Whom It May Concern: This is to certify that I have this day sold and transferred to the American Percheron Horse-Breeders' and Importers' Association, Chicago, Ill., all right, title and interest in the business of registering draft-horses heretofore conducted by myself, together with all books and records appertaining to the conduct thereof, and have retired permanently from the business of issuing certificates of registration for such stock.

I do this in the interest of harmony and from a sincere desire to foster and conserve the business of breeding Percheron horses in the United States.

All further communications, therefore, pertaining to the subject matter herein mentioned should hereafter be addressed to the American Percheron Horse-Breeders' and Importers' Association.

Union Stock Yards, Chicago, Ill.

(Signed) S. D. THOMPSON.  
The Gazette desires to congratulate the breeders of Percheron horses throughout the United States upon

ready for the press should file the same with the Chicago office without delay.—Breeders' Gazette.

### Fattening Ration for a Calf.

EDITOR KANSAS FARMER:—I have a pure-bred Shorthorn bull, 10 months old, weight 600 pounds, in good condition but not fat. The calf has been fed liberally on prime alfalfa hay with very little corn twice a day. I have just made arrangements to sell the calf at public sale April 10. Please send me best ration to get him in best condition possible in the limited time at my disposal. I have the following feeds: Shelled corn, oil-meal, bran, shorts, and alfalfa. C. B. I.

Washington County.

It will be very hard to make any material improvement on your calf in the limited time you have to feed him. If he has been receiving very little grain, there would be only about time enough to get him on feed in good shape. It is not advisable to feed breeding-stock too heavily on corn, but owing to the limited time in which to prepare this beast for sale, a mixture of 75 pounds of corn-meal, 15 pounds of bran and 10 pounds of oil-meal, fed in as liberal quantities as the steer can take care of without injury to himself, with a liberal allowance of alfalfa hay, will doubtless give as good results as anything that can be fed for this length of time. The amount of this mixture to feed would depend upon

stick prevents the cow from turning her head around to suck herself.

### McLaughlin Brothers' Horse Souvenir.

The most magnificent horse publication of any description that has ever come under the writer's notice, is the souvenir of prize-winning Percheron, French Coach, and Belgian Draft horses exhibited at the Louisiana Purchase Exposition by McLaughlin Bros., of Kansas City, Columbus, and St. Paul. This is an important publication because it is a real work of art; because it shows a number of the highest prize-winners in the world's greatest show, and because of the importance of the horse to agriculture, which is the foundation industry upon which both National and individual prosperity rest. Without the horse agriculture would languish; with him it flourishes; and those men who have been most active in improving the different breeds of horses are deserving of great credit for the immense good they have thus done to agriculture. For very many years it has been found that the best type of draft-horses comes from Europe in the several provinces of which single breeds are bred and maintained. It has also been found that both the draft and coach type of horses, bred in the old country, attain the perfection of size and quality when brought to America and developed by American methods, with American feeds and under American climatic conditions.

Although the McLaughlins saved a large number of their horses of both the Percheron and French Coach breeds to show at the American Royal and the International at Chicago last fall, and although, with the importation of two lots of horses in close succession last fall, they had the largest lot of saleable stallions they ever owned at one time, they find now that these horses have sold so rapidly that Mr. James McLaughlin has been obliged to go to France this spring at least a month earlier than usual to secure other horses with which to fill their barns. He has already about completed his purchase of a cargo, which will constitute their first importation for 1905, and these horses will

### 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 blemish. 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.

## IMMUNE HOGS

Immune your pigs by feeding virus to the sow costs 1 cent a pig and have their harn cholera-proof. ONE MILLION successful tests. Indorsed by thousands of able veterinarians and scientists: satisfaction guaranteed in writing, backed by \$10,000 security. Agents Wanted.  
ROBERT RIDGEWAY, Box K Amboy, Ind.

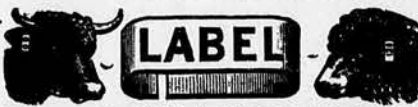
## PINK EYE CURE FOR HORSES AND CATTLE.

Sure relief for Pink Eye, foreign irritating substances, clears the eyes of Horses and Cattle when quite milky. Sent prepaid for the price, \$1.00.

Address orders to W. O. THURSTON, Elmdale, Kansas.

## LUMP JAW No Cure No Pay.

W. S. Sneed, Sedalia, Mo., cured four steers of lump jaw with one application to each steer and J. A. Keeseman, Osborn, Mo., cured three cases with one application to each. Hundreds of similar testimonials on hand. Full particulars by mail. Write to CHARLES E. BARTLETT, Columbus, Kansas.



Dana's White Ear Labels stamped with any name or address with consecutive numbers. I supply forty recording associations and thousands of practical farmers, breeders and veterinarians. Sample free. Agents Wanted.  
C. H. DANA, 69 Main St., West Lebanon, N. H.

## Fistula and Poll Evil

Do yourself what horse doctors charge big prices for trying to do. Cure Fistula or Poll Evil in 15 to 30 days.  
Fleming's  
Fistula and Poll Evil Cure  
is a wonder—guaranteed to cure any case—money back if it fails. No cutting—no scar. Leaves the horse sound and smooth. Free Book tells all about it—a good book for any horse owner to have. Write for it.  
FLEMING BROS., Chemists,  
912 Union Stock Yards, Chicago, Ill.

## HOGS • CATTLE AND ALL LIVE STOCK INSURED AGAINST

lice, mites, scurvy, mange and all skin and infectious diseases; against sores, wounds, cuts and saddle and harness galls, easily, quickly and surely, safely, cheaply and profitably, by the use of

## CAR-SUL

the disinfectant dip that is guaranteed. Used as a dip or spray. It kills all vermin and cures all skin diseases without gumming the hair, cracking the skin or injuring the eyes. It leaves the skin soft and the hair glossy. Used and endorsed by leading stockmen everywhere. Send for free book with our guaranteed offer to you; full of useful information.

Car-Sul was used exclusively at the St. Louis World's Fair Stock Show and at the Royal American Stock Show. Made by the originalators of dipping tanks.

Trial gallon \$1.50, express paid; 5 gallon can \$6.00, freight paid.

Moore Chemical & Mfg. Co.  
Originalators of Dipping Tanks. 1507 Genesee St., Kansas City, Mo.



arrive in this country about April 1. A remarkable thing about Mr. McLaughlin's experience this spring is that he finds it impossible to buy as many horses of the right quality in France as their business demands. Plenty of horses are to be had there, but not enough of the high quality they need for their business. The Kansas Farmer is not advised as to whether the souvenir above referred to is prepared for general distribution, but we do know that it is a very expensive work of art; that he who gets one may consider himself lucky, and that doubtless McLaughlin Brothers will be glad to send a copy to prospective purchasers of horses. A letter to either of their headquarters office will receive a prompt reply.

#### The Gifford Shorthorn Sale.

In 1872, near Milford, Kans., was established the Elmwood Herd of Shorthorn cattle. This herd has been in continuous existence since that time with the exception of one year when the entire herd was closed out in the late seventies and a better foundation laid for a new one. This record entitles the Elmwood Shorthorns to be ranked as one of the oldest herds in the West.

On Tuesday, March 14, Mr. F. M. Gifford, who is now sole owner of the Elmwood Shorthorns, held his twenty-first annual sale at Manhattan, Kans. The animals were stabled in a large livery barn, though the sale was held in Col. L. R. Brady's sale tent, which added much to the comfort of the buyers in affording them comfortable seats and ample light, so that they could see the cattle. The tent was well filled with people and the sale was quite satisfactory, although it was held in the midst of a downpour of rain. None of the cattle were sold out of the State, though they were pretty well distributed throughout the State. In view of the fact that the terms of the sale were cash; that no guarantee of future usefulness was given, and that the animals were not highly fitted, the sale was considered a good one by breeders present. A number of the bulls were quite young. All of the females were bred or had calves at foot. There did not seem to be a very brisk demand for female Shorthorns at this sale, although the bidding was spirited at most times. The sale was conducted by Col. J. W. Sparks, of Marshall, Mo.; Col. L. R. Brady, of Manhattan; and Col. H. R. Little, of Hope. Colonel Sparks opened the sale with one of his telling speeches and the bidding was active from that time.

The top of the bull sale was brought by Scottish Earl by Red Gauntlet 3d 147509, Mr. Gifford's former herd bull. This animal was calved December 16, 1903, and sold to J. O. Hunt, Marysville, Kans., for \$250. Mr. Hunt is well-known as a breeder of prize-winning Duroc-Jersey swine, and the man who owns all Kansas swine fords and got a good bull.

The top of the cow sale was brought by Eulala 8th by Gay Laddle 119393, who went to W. E. Smith, of Oketo, Kans. The sales of \$75 and up were as follows:

#### COWS.

Mary Barrington of Elmwood, O. L. Thisher, Chapman, Kans.	\$ 75
Noxubee Mary Belle 8th, John Garver, Abilene.	85
Ina 4th, C. M. Garver, Abilene.	105
Bess Peach, O. L. Thisher.	95
Red Lady 17th, John Garver.	95
Virginia Rose, John Garver.	90
Eulala 8th, W. E. Smith, Oketo.	160
Margaret Rose, John Garver.	85
Rose Knight, H. Hedderman, Topeka.	80
Noxubee Mary Belle 10th, H. Hedderman.	90
Gipsy 9th, J. C. Weaver, Wakefield.	90
Cordelia Josephine, J. C. Weaver.	100
Monica Rose, J. C. Weaver.	90
Beauty, H. Hedderman.	75
Gipsy Georgia, O. L. Thisher.	85
Nora Belle, John Garver.	85

#### BULLS.

Collector 225080, N. S. Lenzler, Linn.	200
Baron Goodness 225077, J. F. O'Daniel, Manhattan.	125
Moderator 225081, John Garver.	170
Royal Prince by Red Gauntlet 3d 147509, S. Carnahan, Manhattan.	205
Scottish Earl by Red Gauntlet 3d, J. O. Hunt, Marysville.	250
Count Noxubee by Red Gauntlet 3d, Henry Myers, Clay Center.	110
Baron Red Rose by Red Gauntlet 3d, J. C. Weaver.	75
Roan Duke 225083, R. M. Moore, Clay Center.	115
Golden Guard 225085, E. L. Simonton, Wamego.	80
Prince Sharon 215770, L. R. Jones, Riley.	75
Baron Red Rose 3d by Red Gauntlet 3d, P. Carrigan, Bala.	80
Other purchasers were: John Herman, Bala; Dan Myers, Clay Center; D. H. Hallock & Co., Englewood; C. L. Wiley, Oketo; W. B. Walter, Riley.	

#### SUMMARY.

21 females sold for.....	\$1,805; av....	\$ 85.95
16 bulls sold for.....	1,795; av....	112.18
37 Shorthorns sold for....	3,600; av....	97.30

#### The Lincoln Importing Horse Company Horses.

In 1885 the Lincoln Importing Horse Company, of Lincoln, Neb., was organized for business. They began by erecting some of the largest barns in the West, if not in the United States. These were built with 12 by 14 foot box stalls, and large alleyways for exercising in bad weather. In 1886, they made one of the largest importations of stallions ever brought to the Western country. Ever since that time they have been importing Percheron, English Shire, Belgian and German Coach stallions, and their effort has always been to get the best they could for the money. As they have no traveling men but sell direct to the customer, they are able to make very attractive prices on these horses. Their last importation, which arrived just after the close of the Nebraska State Fair last fall, has given very general satisfaction to the buying public and they are receiving many compliments on the quality of these horses. They have recently sold several stallions to go to California. This is quite a high compliment to Mr. A. L. Sullivan, who is secretary and manager, because he personally does the buying in Europe, and because he finds that his horses are

## TO LIVE STOCK OWNERS.

You have heard many times about ZENOLEUM. Have you ever determined by actual use on your own stock what its use means to you? Thousands of live stock owners have. After they try Zenoleum they are never without it. They know that the use of ZENOLEUM means more profit on every kind of stock, a gain figured in dollars and cents which amounts to many times its cost. Zenoleum puts and keeps animals in perfect condition, to thrive; it promotes health; kills all lice and vermin; destroys disease germs, prevents contagion, purges the stomach and intestines of worms.

### Forty Agricultural Colleges Use And Endorse Zenoleum.

As a live stock raiser, are not these things important? It is because we know the good ZENOLEUM will do you, and because we want you to know, that we ask you to test

**Wonderful Zenoleum. "Coal Tar Disinfectant and Dip." The Great Promoter of Animal Health.**

One gallon of ZENOLEUM will be sent you, express prepaid for \$1.50 and it will make 100 gallons of reliable disinfectant solution. Try it for the animal troubles and ailments that are worrying your stock: use it as a disinfectant, germicide and insecticide; for mange, scurvy, ringworm, canker, scab; for removal of stomach and intestinal worms; to cure calf cholera, abortion of cattle, chicken cholera, scab in sheep, cattle mange or itch, etc. We are satisfied that if we can induce you to make the trial you will become more than enthusiastic about Zenoleum. In addition to every representation made above, Zenoleum is guaranteed to be non-poisonous—absolutely harmless for internal or external use. Neither injures skin, discolors wool or roughens the hair.

We ask you to take no chances. Read the Zenoleum guarantee. If Zenoleum is not all we say it is—or even what you think it ought to be—you get your money back. No argument. Just Money.

Most all druggists handle Zenoleum—if yours won't supply you, we will. The prices of Zenoleum are: One gallon, \$1.50, express paid; two gallons, \$3.00, express paid; three gallons, \$4.50, express paid; and five gallons, \$6.25, freight paid. Send us for booklets, "Veterinary Adviser," "Chicken Chat" and "Piggies' Troubles." Free.

**ZENNER DISINFECTANT CO., 61 Bates Street, Detroit, Michigan.**

able to compete in the new and active Pacific Coast market with other large and prominent importing and breeding firms. Mr. Sullivan believes that his last importation was the best he has ever made. He is not a believer in excessive fat, though he keeps his animals in fine condition. He has some 2-year-old Percherons now that will weigh 1,900 pounds in ordinary flesh, and some German Coach stallions weighing from 1,600 to 1,625 with fine action and style, perfectly sound and of kind disposition. They also have a few English Shires remaining that are well worthy of an inspection of buyers. We call attention to their new advertisement on page 318, which was made by Mr. Lou Burk, who takes very high rank as a live-stock artist. This is a portrait of the animal and not a fancy picture. Mr. Sullivan has lately issued a very handsome catalogue, richly illustrated with portraits of animals of the different breeds, which he will be glad to send on application.

#### STOCK TONIC AND PROFIT.

**A Stock Tonic That Will Feed Fifteen Steers for 12½¢ Per Day.**

The wisdom of feeding a stock tonic at all times of year, especially during the season when stock can not be on pasture, has been endorsed by leading medical writers and veterinarians everywhere. The value of bitter tonics for improving the appetite and increasing the flow of juices necessary to assimilation, as well as laxatives for stock on dry feed, is well known. Less known but nevertheless valuable are salts of iron, which act as a tonic, and aid in making rich red blood, while nitrates of sodium and potassium assist in the elimination of poisonous waste material.

The food which contains all the above mentioned medicinal properties as well as others in proper combination, is Dr. Hess Stock Food, endorsed by leading medical colleges and numberless farm and stock papers. Not the least interesting information concerning this celebrated food tonic is the cost. It only takes 12½¢ worth of Dr. Hess Stock Food per day to feed fifteen steers. Compared to the extra cost of feeding Dr. Hess Stock Food, the gain is many times greater, as the food certainly does increase growth and milk production, and also prevents many forms of disease by keeping stock healthy.

Dr. Hess Stock Food is probably the best of food tonics because it is from the prescription of a veterinarian and M. D., and is prepared by Dr. Hess & Clark, Ashland, Ohio. This food tonic produces natural hunger—an evidence of good digestion and assimilation. Where this particular food tonic has been thoroughly tested it has been demonstrated to be of exceeding value in not only keeping the animal fed in a healthy condition, but aids in the proper assimilation of all rations fed, making it a valuable adjunct to feeding for any purpose.

The manufacturers give a written guarantee and agree to refund money if it does not increase flesh and milk production sufficient to cover the cost of the food many times over.


This paper is also back of the guarantee and will see that the same is enforced. If you can not buy this Stock Food in your own town and would like to try 100 pounds at \$5, write to Dr. Hess & Clark, Ashland, Ohio, who will be glad to give further information about their stock tonic or the care of the herd.

#### Gossip About Stock.

Wagner Bros., Enterprise, are offering for quick sale several registered Angus bulls. Write for description and prices.

The Indian Runner duck is rapidly becoming the most popular, as it is the most profitable, farm fowl. They are essentially the "Leghorn of the duck family," laying in excess of 200 eggs each per year. Henry Martin, Newton, and L. D. Arnold, Abilene, are advertising eggs of this breed. Write them.

Mr. Wilkie Blair, owner of Beulah Land Herd of Red-Polled cattle and Poland-China swine, Girard, Kans., writes that the weather is quite warm and rainy in his county and as yet no farm work has been done. The wheat which was not injured or entirely destroyed by green lice last fall is greening up and looking well. Because of the failure of common oats a great deal of Texas oats will be sown in (Continued on page 330.)



## DIP AND FREE BOOK

Our book "The Dipping Proposition" telling how to dip, when to dip, why to dip, what to dip, and a sample of the dip to dip with, will be sent free, charges prepaid, to any stockman or farmer who will write for them. We want to demonstrate to you by your own actual experience with

### CARBOLEUM DIP

that it is far superior to anything known for scab, mange, lice, ticks, and other parasitic live stock troubles. We know it has no equal. We want you to know it by actual test at our expense. We also send free complete set of plans for home-made dipping vats. Trial gallon Carbolem Dip \$1.50, express prepaid. Enough to make 100 gallons ready to use. Dipping tanks at cost.

Prescott Chemical Co., 1694 Pearl St., Cleveland, O.

## PREVENTS BLACKLEG

Vaccination with BLACKLEGIDS is the best preventive of Blackleg—simplest, safest, surest. Each BLACKLEGID (or pill) is a dose, and you can vaccinate in one minute with our Blacklegoid Injector.

Every lot tested on animals, before being marketed, to insure its purity and activity.

For sale by druggists. Literature free—write for it.

### PARKE, DAVIS & CO.

HOME OFFICES AND LABORATORIES: DETROIT, MICH.  
BRANCHES: NEW YORK, CHICAGO, ST. LOUIS, BOSTON, BALTIMORE, NEW ORLEANS, KANSAS CITY, INDIANAPOLIS, MINNEAPOLIS, MEMPHIS.

# Blacklegine

BEST AND MOST CONVENIENT VACCINE FOR BLACK LEG.

## PASTEUR VACCINE CO

CHICAGO SAN FRANCISCO

## KARSOLENE DIP

For CATTLE, SHEEP Swine, Poultry

Karsolene Disinfecting Dip is a scientific preparation made from a Creosote base, combined with other chemicals. Is sure death to lice, and small vermin of all kinds; will not burn or irritate the most tender skin. Cures all skin diseases and promotes health. Sold on a positive guarantee. today for the sample and catalogue giving directions and prices. Write STOCKMAN'S MERCANTILE COMPANY, 1504 W. 12th St., Kansas City, Mo.

## LOOK AT THAT LOOP

IT SAVES THE LOSS

Hundreds of head of stock are injured every year by the old barbarous rigid barb wire fence. The yielding barb makes a fence more effective without mutilating or injuring stock. Saves the loss, costs no more. The peculiar construction of the

### Carroll Yielding Barbed Wire Fencing

gives it longer life than any other wire fencing. The barb being loose on the wire and not in contact with the other cables moisture is not retained at these points. Fence is not affected by rust, neither is it weakened by expansion or contraction. The objections to barb wire on account of injury to stock are entirely overcome in the Loose or Yielding Barb Wire Fencing. If we have no agent in your territory, we will quote "you" prices. Write at once.

Hart Grain Weigher Co., 105 Eaton St., Peoria, Ill.

# SEED CORN

SHELLED OR IN THE EAR. The three best varieties of field corn ever grown: *Pride of Ashland* (yellow), *Iowa Silver Mine* and *Imperial* (white). Planted by thousands of farmers in 1904, and not a single complaint received. They bring better yields and more money than any other known varieties. Our experience of 21 years in the growing and breeding of Corn for Seed purposes puts us in position to give you seed that pays to plant. All our Corn is hand selected, hulled and shelled taken off by hand, and only the largest and most perfect ears shelled and sent out for Seed purposes. Change your Seed this year—grow larger crops and get better yields. It's profit you want, and profit you will get after planting our improved varieties. Our big 21st annual free catalog gives you new ideas, and superior methods in growing Corn and other Seeds. Write for it today. Always address RAYKIN'S SEED HOUSE, Box 59, Shenandoah, Iowa. The largest Seed Corn grower in the world.



## The Young Folks

CONDUCTED BY RUTH COWGILL.

### He Worried.

The crops were all right and the weather was fine.  
But he worried.  
As Fortune looked on him her smile was benign.  
Yet he worried.  
His fate, it was cheery past question or doubt;  
There wasn't a cause for a sigh or a pout,  
And so, as he'd nothing to worry about,  
He just worried.

One day this poor man heard a summons to go  
From his worry,  
Where a little, low mound puts an end to earth's woe  
And its worry;  
And he said "I am worried as worried could be  
For fear that Saint Peter will not admit me."  
And, knowing his style, there was cause, I'll agree,  
For his worry.

—Alfred J. Waterhouse, in Sunset Magazine for January.

### TO THE BOY ON THE FARM.

#### Miss Dean Talks to Him on Politics.

Dear Roger:—I greatly appreciated your letter, short and uncommunicative though it was. The chief fact I gathered from it is that you are interested in politics, for you tell me Bob Treham was elected sheriff in your county. I remember seeing him in town one day when I was with you and you pointed him out as the "smartest rascal in the county."

Well, I am glad that you are interested in politics, you, my brave, clean, clear-thinking boy; and in the few years more before you have reached your majority, I hope you will not lose that interest. I hope you will be so much interested that you can not keep out of it. Ah, your mother will be sorry when she reads that sentence, I am afraid. She wants her boy to keep aloof from all such trickery and uncleanness as are found in politics. She wants you to be clean and honest, un-reproached by all your friends, and free from the evil-speaking of neighbors and acquaintances. I wish these same things for you, my boy, and more. I want you to be clean and incorruptible, but I want you to be a force, a power that must be reckoned with. I want you to have friends strong and true, but I want you not to fear to have foes, if you make them by doing what is right. Perhaps if you talk this thing over with your mother, she will agree, and urge you on. If you only convince her that you are brave and strong enough to keep clean even in politics, she will not hold you back.

What makes politics what it is, a wire-pulling scheme to get a short-lived salary, and doubtful honors? You know why it is—because men like this Bob Treham do not scruple to go into it for what they can get out of it, and good, honest, efficient men like your father scorn to come near it. What our country needs, more than anything else, is honest politicians. There is no call for soldiers to fight a foreign foe nor put down civil discord, but there is opportunity for any young American to do his country noble service. The only things you need are courage and an honest conscience, and common sense. You have all these, my dear boy, and I want you to cultivate them for your country's service. Be yourself honorable and incorruptible, vote as soon as you are old enough and as often as you have a chance, and do your best to understand all the great questions of the day. It may be that you will even be called upon to fill an office, and it may be that you will sacrifice much for a forlorn cause; or it may be that much honor will come to you, and temptation most cunningly concealed may accompany it. But whatever the shape in which politics meets you, look upon it always as a duty, an opportunity for service to your country, and I have no fear that your character will suffer.

Read this letter to your mother, for it is written half to her. I can understand just how she feels about you, but I hope she can understand my point as well. She is a dear, good mother to

you, and you must always be very gentle and thoughtful of her—as I know you are. Affectionately your aunt,  
DOROTHY DEAN.

### "Kansas Stands Upon the Misty Mountain Top and Yells."

It is interesting to know what other people say about us, even though it be neither wise nor pretty. For that reason, we copy the following from the New York Sun:

"Who that loves Kansas—and who loves her better than we?—doesn't feel a happy smile crackle over his face as he reads the concurrent resolution of the Kansas Legislature asking the President to reject Commissioner Garfield's report on the beef trust and to appoint 'some man with experience, intelligence, independence and nerve that will qualify him for the task of investigating the gang of commercial highwaymen.'

"Especially 'nerve.' As we read that resolution, Kansas stands before us, she, the immense, irrepressible, impossible, invincible, by the Bible out of Sharp's rifles, she of the innumerable voices, the grand dithyrambic universal kicker. We see her downtrodden plow-joggers rattling about in devil wagons and shooing the money devil. Before our musing eye the mighty ones of old pass by—Lorenzo D. Lewelling, Mary Elizabeth Lease, Annie Digges, Pepper, Webb McNall, the Sockless Socrates of Medicine Lodge, all the heroes and heroines of the perpetual heroic age. Choirs of girls drive about singing:

No man that ain't a Populist  
Shall ever marry me.

"Agricultural subtreasuries look real. Interstate and intercontinental railroads follow the lines of latitude and longitude, and have sidings and terminal facilities in every back yard.

"For Kansas was, is and ever shall be in highest C. She stands upon the misty mountain tops and yells. Was it Mr. Stevenson who talked about being dead drunk, yet keeping sober to enjoy it? If we may say so, with the peace of Mrs. Nation, Kansas has three quarts of dry champagne under her belt. She is exceeding exhilarated in all innocence. She is inebriated with the exuberance of her own strenuousness. The sunbeams are as buttered rum to her. The air is hashheesh. The water is saki. The soil is pulque. She is keyed beyond all keys; and she knows it and is glad of it.

"She is the commonwealth of hyperboles. She makes her statutes in poetry. Nothing is natural to her but exaggeration. The tailor in the folk tale kills forty flies. 'Forty lives have I taken to-day,' he chants as he goes forth to new conquests. That tailor was an ancestor of Kansas.

"Take home a sunflower or two. Elizabeth Clency, of Lacrosse, writes to a Kansas City paper of the death of a Nemaha County follower of the Hon. Willis J. Bailey, lately Governor of Kansas:

"When nearing the end, almost ready to drain the last drop in the cup of life, he asked if the Legislature had convened. He was told that it had not, but that the inauguration had taken place. Upon being handed the paper, he said he did not care to read the speech of the Governor-elect, but would like to read Governor Bailey's address. His dying word was 'Bailey.'"

"A pious man, no doubt, but his dying word was 'Bailey!' Politics in Kansas are 'hot off the bat,' all the time."

"A Kansas man in Chicago has not changed his mental state. Hear him sizzle in the Hiawatha Democrat:

"Must a State which has produced a John Brown, a Susan B. Anthony and a John P. St. John lean its neck to the yoke of corporate interests? Can we think the advance thoughts these pioneers have given us as legacies and hesitate to enter untrodden fields, when our goal is to throttle the greatest octopus of the age?"

"When the sons of Kansas, fed by breath of her winds, rise up, they will crush the power of Standard Oil in the beautiful State as effectually as cyclone zephyrs crush all obstruction in their pathway. I am proud of Kansas."

"Proud of her? So say we all of us, so say we all."

# WOMEN NOT TRUTHFUL

This Statement Has Been Unjustly Made, Because Modest Women Evade Questions Asked By Male Physicians.



An eminent physician says that "Women are not truthful; they will lie to their physician." This statement should be qualified; women do tell the truth, but not the whole truth, to a male physician, but this is only in regard to those painful and troublesome disorders peculiar to their sex.

There can be no more terrible ordeal to a delicate, sensitive, refined woman than to be obliged to answer certain questions when those questions are asked, even by her family physician. This is especially the case with unmarried women.

Is it any wonder, then, that women continue to suffer and that doctors fail to cure female diseases when they cannot get the proper information to work on?

This is the reason why thousands and thousands of women are now corresponding with Mrs. Pinkham. To her they can and do give every symptom, so that she really knows more about the true condition of her patients, through her correspondence with them than the physician who personally questions them.

If you suffer from any form of trouble peculiar to women, write at once to Mrs. Pinkham, Lynn, Mass., and she will advise you free of charge.

The fact that this great boon, which is extended freely to women by Mrs. Pinkham, is appreciated, the thousands of letters received by her prove. Many such grateful letters as the following are constantly pouring in.

Ask Mrs. Pinkham's Advice—A Woman Best Understands A Woman's Ills.

Mrs. Ella Lee, Frankford, Ind., writes:

Dear Mrs. Pinkham:—  
"I want to thank you for what your medicine has done for me."

"Three years ago I had inflammation of the ovaries and ulcers on my womb. I was under the doctor's care for about three months, and the only time I was not in pain was when under the influence of morphine. The doctor finally said I never would be better, and would be an invalid the rest of my life. I had given up in despair, but one evening I came across one of your advertisements and decided to write you for advice. I did so and commenced to take Lydia E. Pinkham's Vegetable Compound. I began to improve at once, and to-day I am a well woman, and I know it is all due to your advice and medicine."

Mrs. J. H. Farmer of 2809 Elliott Avenue, St. Louis, Mo., writes:

Dear Mrs. Pinkham:—

"I cannot thank you enough for what your advice and medicines have done for me. They have done me more good than all the doctors I ever had."

"For the last eight years I have suffered with female troubles; was very weak; had nervous prostration, and could not do my work; but I am happy to say Lydia E. Pinkham's Vegetable Compound has made a different woman of me. I am in perfect health and have gained in weight from 98 pounds to 122 pounds."

No other medicine in the world has received such widespread and unqualified endorsement. No other medicine has such a record for actual cures of female ills as has Lydia E. Pinkham's Vegetable Compound.

Mrs. Pinkham invites all sick women to write her for advice. She has guided thousands to health. Address, Lynn, Mass.

### Strength of Cheerfulness.

A quotation from Carlyle says: "Wonderful is the strength of cheerfulness, altogether past calculation its power of endurance."

A writer in an exchange takes the Carlyle expression as a text for extended comments, from which the following are extracts: The natural buoyancy of certain natures is without controversy a gift, not an attainment. They incline toward the sunshine even when clouds obscure it, and lean toward it as do certain sun-loving plants. But there is a possibility of very successful emulation on the part of us who may have to struggle to shut out the gloomy spirits, ready to seize and bind us hand and foot, if we but yield to them.

"Do not leave the sky out of your landscape," says Emerson, and that is a deep, wise saying, pregnant with power against the forebodings of evil and disaster. "The sky," in the philosopher's meaning, is what all the race of disheartened, gloom-stricken folk can never see. They are too much absorbed in groping in shadowy corners and in trying to define the fitful figures described by fear and too active imagination. The fair realm beneath which the clouds gather and again disperse may be hidden for a brief interval, but the blue rifts sooner or later disclose the divine color of hope, and

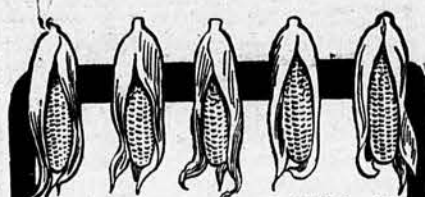
the eternal stars watch in loving faithfulness.

Our persistent, ennobling cheerfulness depends largely on how we regard the happiness of those around us; those who are more or less dependent upon us for their enjoyment of life. "It is very good for strength to know that some one needs you to be strong." This, alas, can not be applied to the selfish or ignoble heart, but to the worthier, loftier natures—and only they are in the ranks of those who are cheerful through endurance—it is a master key to their success.

### In Dollars and Cents.

Boys who get tired of going to school should read the following, written by Supt. Adams of Fayette College: "The average educated man gets a salary of \$1,000 per year. He works forty years, making a total of \$40,000 in a lifetime. The average day laborer gets \$1.50 per day, three hundred days in a year, or \$450 a year. In forty years he earns \$18,000. The difference, or \$22,000, equals the value of an education. To acquire this earning capacity requires twelve years at school of 180 days each, or 2,160 days. Divide \$22,000, the value of an education, by 2,160, number of days required in getting it, we find that each day at school is worth a little more than \$10 to the pupil. Can't afford to keep them out, can we?—Exchange.





## NEW DEERE NO. 9 PLANTER



### Edge Selection Drop INCREASES YIELD OF CORN

The NEW DEERE NO. 9 will drop three kernels, or two kernels in each hill, or two and three alternately, as desired—and do it unerringly, without being forgetful or getting excited. Attends to its knitting strictly, and "never drops a stitch." This is something unusual in corn planters, as too many farmers know to their regret. Note the following letter:

Ord, Neb., Feb. 4, 1905.  
Deere & Mansur Company: Please send me your farm machinery catalogue. I want to see more about your New Deere Corn Planter No. 9. By using a defective planter last season it cost me fully the price of two or three new ones.  
Yours truly, Ben. G. Russell.

Profit by the experience of others and throw away your old style planter and get the accurate NEW DEERE NO. 9. The increase in yield will more than pay for it. Dropping too many kernels is just as bad a fault as dropping too small a number. If you want a corn planter that really is a corn planter, it must be equipped with the general edge drop, insuring extreme accuracy. In other words, it must be the NEW DEERE NO. 9, for that is one of our exclusive patented features. The NEW DEERE has a system of valves that is simple in construction, efficient in action. No stringing of the hills with these valves. The change from drilling to hilling or vice versa, is instantly made. No switching of the valves. There are many other valuable features which combine to make this the ideal planter. Our fertilizer attachment is a winner and does excellent work. No danger of firing the seed. Fertilizer may be hilled or drilled as desired.

#### Booklet "More Corn" Sent Free

We issue a 32-page booklet, in which we have endeavored to place before the farmers the importance of careful selection of seed corn, and to give them the latest information on how to obtain a uniform and perfect stand. The book is fully illustrated, and tells "how" and "why." Its suggestions are carefully followed will increase the corn yield from ten to fifty per cent on the same acreage. Don't you think such a book is worth writing for? Simply drop us a postal, mentioning this paper, and "More Corn" will be mailed free, postage prepaid.

Our goods are handled by reputable dealers throughout the country, who will be glad to show what they will do. Call at our nearest agency.

JOHN DEERE PLOW CO.,  
Kansas City, Mo.

## For the Little Ones

### The Squirrel's Philosophy.

Yes, I'm a queer fellow—a curious chap—I chatter and frisk over every mishap; When things seem forbidding, horizons loom gray. I still find the sunshine, just over the way— Here's a nut to be cracked, you may pass it around. A squirrel you never will keep on the ground! It is not my nature to grovel, you see, I'm off with a bound to the top of the tree! While seemingly dancing and laughing in play, I gather my hoard for the cold winter day.

Remember, my friend, for the lesson is clear, Don't yield to "the blues" and look solemn and queer; But up with the dawn and the squirrel don't stop, And choice nuts of wisdom we'll gather and drop; For the gloomy old world we can brighten with song Just carol a bit, as you journey along, Keep working and saving to add to your store; But, if you should lose it, why, start in for more! One kernel of truth you can treasure from me: The finest nuts grow in the top of the tree.

—Ernest Neal Lyon, in N. Y. Tribune.

### Flossy's Baby.

"Something for Flossy!" said papa one night when he came home from the office.

He had a covered basket in his hand which he placed on the floor by the side of Flossy and Eva.

"For Flossy?" repeated the little girl, her eyes growing big and bright. "Yes," answered papa, "you can open it and see."

Flossy peeped in. Then a scream of delight and the cover was tossed aside. Soon she was squeezing a tiny black kitten in her arms.

"Oh, Eva, don't you wish papa'd brought you a kitten, too?"

"I like my dolls better. Dolls don't scratch," and Eva looked lovingly at a row of dolls standing in one corner.

"Well, I like a real live baby best. Now kitty can go to sleep, and wake up, and cry, and eat milk, and do lots of things. I like a kitty baby ever so much better than a doll baby."

Flossy sat down in her little rocking-chair and rocked kitty till bedtime. And she could hardly be persuaded to lay kitty in her basket even then. She hopped out of bed once when nearly asleep, to see if kitty was all right. Hearing her stir a little, she thought one more hug might do her good.

How are children so often able without injury to swallow such sharp things as pins, needles, tacks and bits of glass? The secret as disclosed by Dr. Albert Exner, of Vienna, lies in the fact that, when a pointed or sharp-edged body comes into contact with the lining of the stomach or intestine, the part touched contracts and puckers so as to thicken itself in that place. At the same time it withdraws itself in such a manner as to form a little pocket, and gradually twists the object around so as to turn the edge or point away, pushing the thing along.

Many people are killed in gathering edelweiss on the Alps. The belief has been that it is a rare plant that grows only in inaccessible or nearly inaccessible places near the snow line. But a writer to the London Times says it can be grown easily in "any back yard," two cents worth of seed being the only necessary outfit.

One of the recently discovered natural curiosities of China, says the Youth's Companion, is an "alum mountain," nineteen hundred feet in height, and about ten miles in circumference at the base. The Chinese quarry the alum, or masses containing, alum in large blocks.

There is only one surviving President of the United States—Grover Cleveland, who was born in 1837. There are two surviving Vice-Presidents, Adlai E. Stevenson, born in 1835, and Levi P. Morton, born in 1824.

When writing advertisers please mention the Kansas Farmer.

## 80-page RURAL TELEPHONES

book Free tells how to organize, secure subscribers, build lines, install instruments. What to use and where to buy. What it costs per mile. Contains franchises, by-laws, rules. How to remedy telephone troubles. Code of signals. Contracts. Cuts of telephones. Switchboards, tools, and supplies. Wiring diagrams. Largest, most complete book on rural telephones and lines ever published. Worth writing for. Write today.

Swedish-American Telephone Co., Chicago, Illinois



## SMOKE YOUR MEATS IN THE NEW WAY, USING WRIGHT'S CONDENSED SMOKE

A liquid made from hickory wood. Imparts the delicate flavor that is peculiar to meats smoked with hickory wood. Used by applying the Condensed Smoke with a Brush. Send 10c and names of five who cure meat and we will mail you sample free. Sold only in square quart bottles with metal cap. Never in bulk. At drugists, 75c per bottle. Bottle smokes a barrel of curing meats. Be sure to get "Wright's Condensed Smoke." Made by

WRITE FOR FREE BOOKLET THE E. H. WRIGHT CO., Ltd., 112 W. Fourth Street, KANSAS CITY, MO.

## BREECH LOADING SHOTGUN

SEND US \$2.25 and we will send you this 12-GAUGE 30-INCH SINGLE BARREL BREECH LOADING SHOTGUN



made, and equal to any gun made in shooting qualities, you can return it at our expense and we will immediately return your money. FINE STEEL BARREL, TAPER CHOKE BORED, PLAIN SHELL EXTRACTOR, TOP SNAP BREAK, PISTOL GRIP, PATENT BUTT PLATE, beautifully finished. Guaranteed one of the best single barrel breech loaders ever produced. WE BOUGHT 14,000 AT FORCED SALE, and while they last will make the RIDICULOUSLY LOW PRICE of \$2.25. If you don't send \$2.25 for this gun, then on a postal card, or in a letter, say: "Send me your Free Gun Catalogue" and receive FREE, the MOST WONDERFUL BOOK ever heard of, the most astonishing offer ever known. \$10.90 for one of the best double barrel HAMMER BREECH LOADING shotguns ever made. \$1.25 per 100 for best 12-gauge loaded shotgun shells made; 19 cents per 100 for best 22 caliber cartridges ever made; \$16.03 for Winchester repeating shotguns; \$17.50 for Remington double barrel shotguns with steel barrels; \$16.25 for Marlin takedown shotguns. Best five shot automatic, self-cocking revolver, \$2.75; liberal terms, easy conditions, wonderfully liberal offers, all free in this BIG BOOK. SEND FOR IT. SEARS, ROEBUCK & CO., CHICAGO, ILL.

## A BOOK TO DO YOUR FIGURING

AND THE BEST FARM WEEKLY IN THE COUNTRY.

ROPP'S COMMERCIAL CALCULATOR AND ACCOUNT BOOK 25C

SIX MONTHS SUBSCRIPTION, FARM FOLKS BOTH FOR

### WHAT THIS BOOK WILL DO.

It will reduce the weight of a load of grain of any kind to bushels and show the exact amount of same in less time than it takes to tell it.

It will also show at a glance the interest on any sum of money for any time at any rate of interest. The value of cattle, hay, coal, cotton and all kinds of merchandise sold by the pound, ton, yard or dozen. The correct measurements of lumber, logs, cord wood, cistern, tanks, wagon beds, bins, corn cribs and carpenters' plasters' and bricklayers' work. The wages, board and rent for any time, at various rates per week or month. Besides it contains many other useful and valuable tables.

A copy of this useful and practical work should be in the hands of every individual. With this book at hand, every conceivable problem that is likely to occur is easily and readily solved by any one who is familiar with first principles. It is neatly printed and elegantly bound in pocketbook form, thus being convenient for out door use.

### FARM FOLKS

is one of the newest and best farm and home weeklies in the country. Each issue consists of not less than sixteen 4 column illustrated pages. Write today and address

KANSAS CITY, MISSOURI.

## DO YOU WANT A HOME?

Surrounded by green lawns, where five acres will support a family by intensified farming, on the beautiful Columbia River, where flowers bloom all the season.

## DO YOU WANT AN ALFALFA RANCH?

Where you can cut 10 tons of hay to the acre and find ready market for all you can raise at prices ranging from \$6 to \$10 per ton.

## DO YOU WANT A FRUIT RANCH?

Where you can raise the earliest fruit outside of California and where the earliest and finest fruit can be raised.

KENNEWICK LAND CO., Kennewick, Yakima Co., Washington.

## A WHEAT FARM IN WASHINGTON

Fortunes are made in one year raising wheat in Washington. We have a wheat farm for you in Yakima County, Washington, any size you want from eighty acres to five thousand acres. Last good, low-priced land left on the Pacific Coast. Prices from \$2 per acre upward, according to location and quality. Easy terms. Low interest rate. Wonderful alfalfa, fruit and vegetable country, in a mild climate of sunshine, where you can be outdoors in comfort every day in the year. If this is what you have been looking for, we have it. Springs, creeks, smooth, exceedingly rich land.

We own 37,000 acres of Wheat Land.

Write, or call on us at once for complete information.

THE COOK-CLARK CO., Van Valkenberg Bldg. Spokane, Wash  
Or North Yakima, Wash.

## IRRIGATION IS KING.

A 10-acre suburban fruit farm of the Spokane Canal Company, makes a profit as large as the best 160-acre Iowa farm. Exceedingly mild climate, railroad and electric cars to heart of city of Spokane every hour. Buy one of our 10-acre fruit farms, be near the great city of Spokane with best educational facilities. Stop off and see us when you visit the Portland Fair looking for a location; we have the ideal spot for you with every advantage of city and country combined. Write us for our beautiful illustrated pamphlet, maps and full information, sent postage paid.

Address, SPOKANE CANAL COMPANY, 512-13-14 Fernwell Bldg., Spokane, Wash.

STOP OFF AT SPOKANE and look over the richest agricultural and fruit-growing district in the world, when you go to the Lewis & Clark Exposition. You can double your money in two years by purchasing land at present prices, \$1 to \$25 per acre. Volcanic ash soil, unequalled for productivity. The man of modest means finds here his chance for wealth and happiness. Free literature, giving reliable information about the delightful climate and rich natural resources of the Inland Empire. Correspondence solicited. Address Spokane Chamber of Commerce, Spokane, Wash.

HERE IS YOUR OPPORTUNITY—Do you want to engage in Business or Manufacturing? Do you want to live in a mild and equable climate, in a large and growing seaport and manufacturing center with superior Educational, Religious and Social advantages?—TACOMA offers this and more. Surrounding country is rich and farmers prosperous. We welcome you in city home or on country farm. We send you, free complete written and printed information. Write now. TACOMA CHAMBER OF COMMERCE, Tacoma, Washington.

## FREE LAND IN OREGON

in the richest grain, fruit and stock section in the world. Thousands of acres of land at actual cost of irrigation. Deed direct from State of Oregon. WRITE TO-DAY. BOOKLET and MAP 4 cents in stamps. Deschutes Irrigation and Power Company, McKay Building, Portland, Oregon.

WELL MADE My plans are well made, and your interests are carefully studied as my own. Send self addressed envelope and dime, and learn how to add to your income without capital, experience, talking or time from regular occupation. Either sex, any age; anywhere from Maine to Mexico. Ten cents promptly returned if plan does not suit. Nothing to buy; nothing to sell. Now—Now—Farewell. Henry Endsley, - Ellensburg, Wash

I AM  
**RUSSELL E. GARDNER**  
THE "BUGGY KING" ST. LOUIS, U. S. A.  
**BANNER BUGGIES**  
**BEAT THE WORLD**

Ask your dealer for a Banner Buggy, Runabout, Surrey or Harness. If he doesn't handle them write me before buying. I manufacture more buggies than any other man in the world and can save you money.

## Vehicles and Harness

EXCLUSIVELY. Our big 1905 Split Hickory Catalog is devoted to Vehicles and Harness alone. We are vehicle specialists, and handle the output of our own factory. Select anything you want from our catalogue and have it shipped to you on our 60 DAYS' FREE USE PLAN at wholesale prices. Write now.

THE OHIO CARRIAGE MFG. CO. (H. C. Phelps, President)  
Station 251, Cincinnati, Ohio.

## The Superior Cream Separator

Gets ALL the Cream in 60 to 90 minutes. Simple, scientific, practical. Never fails. 60,000 Farmers use it. Does not mix water with milk. Least trouble and expense. Our Binding Guarantee assures your satisfaction or money back. Write today for particulars.

Superior Fence Machine Co.  
310 Grand River Ave., Detroit, Mich.

BOOK FREE FARM TELEPHONES How to put them up—what they cost—why they save you money; all information and valuable book free. Write J. Andree & Sons, 823 W. Water St., Milwaukee, Wis



## The Home Circle

CONDUCTED BY RUTH COWGILL.

### Nothin' to Say.

Nothin' to say, my daughter! Nothin' at all to say!—  
Girls that's in love, I've noticed, ginerly has their way!  
Yer mother did, afore you, when her folks objected to me—  
Yit here I am, and here you air, and yer mother—where is she?

You look lots like your mother: Purty much same in size;  
And about the same complected; and favor about the eyes.  
Like her, too, about livin' here, because she couldn't stay;  
It'll most seem like you was dead like her!—but I hain't got nothin' to say!

She left you her little Bible—writ yer name across the page—  
And left her earbobs fer ye, ef ever you come of age.  
I've allus kep' 'em and gyaured 'em, but if yer goin' away,  
Nothin' to say, my daughter! Nothin' at all to say!

You don't rikollet her, I reckon? No, you wasn't a year old then!  
And now yer—how old air you? Why, child, not "twenty!" When?  
And yer nex' birthday's in April? And you want to git married that day?  
I wish yer mother was livin'!—but I hain't got nothin' to say!

Twenty year! and as good a gyrl as parent ever found!  
There's a straw ketched onto yer dress there—I'll bresh it off—turn round.  
(Her mother was jest twenty when us two run away!)  
Nothin' to say, my daughter! Nothin' at all to say!

—James Whitcomb Riley.

### The Ideal Housewife.

MRS. H. Y. STANLEY, OF THE WOMAN'S COUNTRY CLUB.

I believe that the Great Ruler must, with His mysterious power, touch the heart of every woman before she can be an ideal housewife. From Him must come the strength to graciously bear the many burdens which usually fall to her.

Think of the varied and intricate duties that are of necessity hers. She can scarcely be contemplated in a separate thought from the ideal mother, since the duties of most housewives include those of a mother. In the office of mother, if true to her duties and privileges, she attains the highest honors of her existence.

She will use every precaution both sanitative and dietetic to preserve the physical health of herself and household.

Next to healthful bodies come healthful morals to be looked after. Here is where she meets with her most difficult work. Here is where she must show herself to be courageous, indomitable, valiant as a soldier; always speaking, acting, living the truth. She knows she can not place too high an estimate on its value. She knows that to act a lie is to teach her child to speak a lie. She will show to her children that the city of Happiness lies at each one's threshold, and she will make them see the needlessness of distant travel in search thereof.

To bake and brew, to make and mend, are also her duties. These accomplishments belong to what is sometimes called the drudgery department, but when once acquired make no serious burden on the mind. As to their effects on nerve and spine I will not speak. We know that all women have not the same aptitude for accomplishing their daily tasks. Our ideal housewife lingers happily, but not long over these things. She will look carefully to the preservation of cleanliness in its many ramifications. Take the weekly laundry work as an instance. Here she finds but little opportunity for shirking and yet there are ways and means by which even this task is rendered much easier than in the days of our grandmothers.

But all hail to the cold ironing process! The housewife of whom we are speaking will tell you that smoothly folded but unironed sheets are just as effective in wooing sweet sleep, as any that have passed under the hottest iron. The common night robe, the daily used towel, the large kitchen apron, dish towels, and as the school children say, "A great many other things too tedious to mention," all serve their intended purpose nicely

without the application of the hot-iron, back-aching process.

Think of the opportunities for physical rest, and mental gymnastics she can thus secure to herself for each of the fifty-two weeks of the year, the number of years ranging probably as high as fifty. Then I say again, all hail to the cold-ironing process!

I have passed over the hilltop on the journey of life and stand low down its western slope, and as I take a mental retrospect, I feel prone to say that as I view life's duties from this point, I realize that the ideal woman has other duties which are of equal, if not greater moment than that of scrubbing and rubbing, sewing, washing, stewing, baking, and the many other "ings" which are hers to accomplish. So if she be wise she will take all the short cuts possible with her housework and leave the unnecessary matter for those less thoughtful of the value of both strength and time.

With Tom Moore we acknowledge that,

"The heart that beats within is not always light,  
Nor always free from pain and care.  
But the eyes must be bright,  
With the smiles that are laughing there."

She must show not only to her own little kingdom, but to all the world that she realizes and appreciates the good things of life, and accepts the unpleasant as a bitter, but perhaps needed tonic.

But after all is said, we may add this: No woman can live an ideal life if she has failed to secure an ideal life-companion, yet will she strive for the best, and highest attainments that are within her reach.

### A Winter Trip to Oklahoma.

The station for which we were bound was Mount Park, Okla. There were four of us in the crowd. We left our home town at three o'clock p. m. and arrived in Mount Park two days later at eight o'clock p. m., having spent one night at Anthony, Kans., and one at Geary, Okla. The country as we entered Oklahoma was level and beautiful, but not like the country where we live. The houses were small but neat. Farther south the towns and houses were much larger and finer. At Mount Park our friends met us and we drove the three miles to their home in a wagon. The country is level up to the foot of the mountains, which adds greatly to the scenery.

We were welcomed heartily, and as there was to be a reunion and wedding, there was quite a crowd of us to stay all night. Next morning we all went to Snyder to be photographed, the children and grandchildren numbering in all seventeen. Snyder lies close to the mountains and is not so pretty a place as Mount Park. The latter place has a beautiful park along by the creek which must be very lovely in summer when leaves and grass are green. The ground was covered in places with walnuts, with which we filled our pockets. There was a bandstand and several rows of seats. Across the creek from this park was a large swinging bridge.

The nearest mountain was about three-quarters of a mile away, and several of us started to climb it. There were solid rocks as large as a house and deep crevices where one could walk and where cedars grew. There was said to be gold in the crevices. We went to another mountain, a half mile away, about 800 feet high, from the top of which we could see Texas and a good part of the surrounding country. These were not sand-mountains but real rock-mountains. We visited a mine on this mountain, which, however, was not being worked this time of the year. We visited another mine, and one of the party went down with a lighted candle. The lighted candle was plainly seen 150 feet in the ground. There was said to be a good prospect of gold in this mine. We visited another place called the "Narrows." It was a valley between the mountains through which ran a small stream, and we drove up the valley as far as we could go with a wagon and then walked to a grove. We also climbed to a steep place where we could look over a precipice an hun-

dred feet high. The boys in our party threw stones off this place that struck the bottom with a crash that sounded like a dynamite explosion. Every day there were many real dynamite explosions from the different mines in that vicinity.

The fields were white with cotton, and cotton-picking was not over, though it was winter. From our windows we could see the pickers with long sacks strapped to their backs which they were filling with the fluffy, white fruit of the plant which supplies us with most of our clothing.

We had a fine time at the Park and the weather was warm, but as we neared Kansas it grew colder, and when we reached home a few days later mercury was at zero. It was a pleasant trip. MRS. L. W. POND, Stafford County.

### Reading and Self-Culture.

The following articles on the above subject have come to us from as many different parts of the State. It is interesting to note that, though approaching it from different points of view, the conclusion is the same in all of them.

She was direct from the hills and woodlands of Kentucky—came as a bride to help build a home in one of the most prosperous sections of Central Kansas, and among strangers.

"I am so lonesome," she remarked to neighbors who called to extend the hand of fellowship, "not much to do and so much time."

"I have some books I think you would like," one suggested.

"But I don't like to read," she replied.

Homeward bound, I pondered, "What has the dear, homesick girl to fall back upon in future years?"

Since then, her little one claims her best attention, which tempers the stress of being away from kith and kin, but what of the atmosphere for home life, and the raising of children? Others, older, have intimated to me that they had more time for reading when their children were small than they ever had since. A book was kept under the cradle pillow, and a paper at hand for odd moments. It is surprising how much knowledge can be gleaned in this way, besides being a real rest from domestic duties.

Clubs are undoubtedly an advantage to some women, but if one really has the appetite for self-culture, what better place for wholesome mental growth than amid the daily toil, in the quiet of one's home?

It will not do for the mother, when her girls and boys come home from high school or college with their books of English literature to find herself too much in the rear.

It will prove immensely gratifying to be able to enjoy Shakespeare and Milton with grown daughters under the evening lamp.

By all means let us daily mix in a goodly portion of mental culture, with the physical, and develop as we pass along an all-around healthy atmosphere in our farm homes.

CLARA A. GEBHARDT.

Do not many of us read too much? With tables full of dailies, farm papers and magazines, besides easy access to town or country libraries, the temptation to crowd our mental faculties is real. If self-culture is the idea in view, careful discrimination as to what and how to read rather than how much, is needed. Details of murder trials, society scandals, war news and such may be eliminated without ethical derelict.

"Emerson doesn't interest me much. I wonder what you find so fascinating?" says one.

No? Well, he is to be studied, not read. The question is not have you read, but do you read Emerson? Learn a sentence by heart, repeat it over and over until you grasp its meaning, and then, when its sense fits into your own experience you will learn to love its author. So with Milton, Shakespeare, Browning, Tennyson, Byron, and others.

Farmers' wives are generally too busy to read many new books. A better way is to read such as are recom-



## MICA-NOID READY ROOFING

is water-proof; not affected by heat or cold; fire-proof against all ordinary roof exposures. ANYONE CAN LAY IT.

REQUIRES NO PAINTING WHEN LAID  
GIVES GENERAL SATISFACTION

for Barns, Houses, Creameries, Factories, etc. For sale by dealers in Lumber, Hardware, Builders' Material, General Merchandise and Agricultural Implements.

Ask Us To Send Samples Free

If your dealer hasn't MICA-NOID READY ROOFING, write us and we'll give you name of one who has.

ASBESTOS MFG. AND ROOFING CO.

Factory: 2d and Carr Sts. ST. LOUIS, MO.

## The Kansas State Agricultural College

A ten weeks' summer course in Domestic Science and Art for teachers will begin May 23, 1905. The regular spring term of the college begins March 28th. All of the common school branches are taught each term, and classes are formed in all of the first-year and nearly all of the second-year studies each term. Write for catalogue.

PRES. E. R. NICHOLS,  
Box 50, Manhattan, Kans.



### BEING A LADY

You have wondered what to do about some trouble you are having. I am almost certain of it. DR. MEYER'S big forty page book will tell you all about it. It will be sent FREE for the asking. I have cured thousands with my VITA SYSTEM and I can cure you. You will see by my agreement [page 40 my book] that if I was not sure I could effect a cure I could not afford to take your case. Better write for my book to-day while the matter is fresh on your mind. DR. I. L. MEYER CO., 115 S. 8th St. Hiawatha, Kans.

## WANTED

A case of Catarrh or Eczema that will not yield to treatment by

### MARVELINE

It has cured others; it will cure you. If your druggist does not keep it send direct to us.

PRICE, 50 CENTS.

Descriptive Booklet Sent Free.

The Marveline Co., Leavenworth, Kans

## SLIGHTLY USED FURNITURE

from the INSIDE INN and ten other leading World's Fair hotels  
AT ONE-FOURTH COST  
Iron Beds, 50c; Dressers, \$2.50;  
Extension Tables, \$3.50; Chairs, 25c; Sheets, 10c; 9x12 Rugs, \$5.00;  
and everything in proportion. All good as new.  
Our Big Warehouse is Overflowing  
Room must be made to handle our contracts.  
The greatest Bargain Clearing Sale ever held.  
Complete Catalogue sent FREE. Dept. G. T.  
LANCAN & TAYLOR, St. Louis, Mo.

ASK YOUR DRUGGIST

FOR

## Mexican Rose Cream

The greatest of all skin foods  
Removes pimples, blackheads, and restores the bloom of youth.



mended by responsible critics and that are in line with some special topics under consideration. System in reading helps wonderfully in finding mental capacity for the absorption of good literature. And, too, precious spare time can be utilized to the maximum, if a carefully planned routine is followed.

"But I can't remember what I read unless it be of a sensational character," says another.

Alas! too true of many of us. We are truly victims of depraved appetites as are the drunkards we pity or scorn.

"But would you ignore fiction?"

Not for the reader with a normal appetite, but the bulk of one's reading should be of an educational nature, if real culture is the object.

I find the Chautauqua reading course, with its advised side-helps, of incalculable value in practical home education for such as wish to improve. It fairly drags one out of traditional ruts, and lifts to the great highway of progressive, aggressive, and comprehensive travelers.

ALICE E. WELLS.

Princeton, Kans.

There are many means of self-culture, and of these books are one of the most efficient. From books we learn the past history of our race. In books are hoarded the best thoughts of our race in its slow march upwards. They, like flowers, "in all places and all seasons expand their light and soul-like wings" of thought. In books we see the "whole world as one vast plain." They afford us amusement, instruction, and stimulus. They are the solace of leisure hours, "literature being the most portable of the fine arts." From poetry we learn morality and love for nature. Biography arouses to noble endeavor. History deepens patriotism. From fiction we gain knowledge of human nature. Books rightly used strengthen memory, imagination, and the power of attention. Books that require thought develop judgment. Books teach the conduct of life. Are they not worthy our study? Books are tools of the mind. Let us use the best tools.

EPHA M. BROWNLEE.

## Club Department

### OFFICERS OF THE STATE FEDERATION OF WOMEN'S CLUBS.

President.....Mrs. Cora G. Lewis, Kinsley  
Vice-Pres.....Mrs. Kate E. Apington, Council Grove  
Corresponding Sec'y.....Mrs. Estelle H. Brown, Olathe  
Recording Secretary.....Mrs. F. B. Hine, Kinsley  
Treasurer.....Mrs. J. T. Willard, Manhattan  
Auditor.....Mrs. D. W. Wilder, Hlawatha  
State Secretary for General Federation.....  
.....Mrs. C. C. Goddard, Leavenworth

#### Our Club Roll.

Mutual Improvement Club, Carbondale, Osage County (1895).  
Give and Get Good Club, Berryton, Shawnee County (1902).  
Women's Literary Club, Osborne, Osborne County (1902).  
Women's Club, Logan, Phillips County (1902).  
Domestic Science Club, Osage, Osage County (1888).  
Ladies' Crescent Club, Tully, Rawlins County (1902).  
Ladies' Social Society No. 1, Minneapolis, Ottawa County (1898).  
Chalfont Club, Highland Park, Shawnee County (1902).  
Cultus Club, Phillipsburg, Phillips County (1902).  
Literature Club, Ford, Ford County (1903).  
Sabeau Club, Mission Center, Shawnee County, Route 2, (1899).  
Star Valley Women's Club, Iola, Allen County (1902).  
West Side Forestry Club, Topeka, Shawnee County, Route 8, (1903).  
Fortnight Club, Grant Township, Reno County (1903).  
Progressive Society, Rosalia, Butler County (1903).  
Pleasant Hour Club, Wakarusa Township, Douglas County (1899).  
The Lady Farmers' Institute, Marysville, Marshall County (1902).  
Women's Country Club, Anthony, Harper County (1902).  
Taka Embroidery Club, Madison, Greenwood County (1902).  
Mutual Improvement Club, Vermillion, Marshall County (1903).  
Prenils Reading Club, Cawker City, Mitchell County (1903).  
Cosmos Club, Russel, Kans.  
[All communications for the Club Department should be directed to Miss Ruth Cowgill, Editor Club Department.]

The Sabeau Club of Mission Center, is taking the Bay View course this year. It has been in the subject of Russia and Japan, and they have enjoyed it thoroughly. It is easy to see how that subject would be especially interesting this year, and how a study of it would enable the student to understand with far more than the average intelligence, the war news and the references to the history of the two nations which are so puzzling to the uninformed.

This club has been seriously hampered this year, not only by the severe winter, but also by an epidemic of scarlet fever, which has been a serious affliction to the neighborhood. They are discussing the advisability of continuing their meetings during the summer, a plan which several of the clubs have tried successfully.

### KANSAS HISTORY PROGRAM.

What Has Made Kansas the Most Maligned State in the Union?

Roll-call—Stories about Kansas.

I. Kansas people at home and abroad.

II. Kansas and the newspapers.

III. The unusual and picturesque in Kansas History.

IV. The questions—discussion by the club.

The responses to roll-call for this program will be easy; for who has not heard numerous short, spicy stories of our State?

Is it true that Kansas people are different from others? Can you recognize a Kansan whether you see him at home or abroad? The Kansan, and his characteristics, both external and innate, will make an interesting subject to open the meeting.

It is often said that Kansas uses her fame, both favorable and adverse, in her propensity for advertising herself. If she has a disaster, it is the worst possible; if good fortune come to her, no other was ever so lucky. Such things furnish the material for good newspaper stories, and the hungry reporters never have enough. Kansas has several papers of her own which are typical of her life, and therefore interesting. But it is not alone her own newspapers which tell of her doings. Outsiders are even more prone to discuss her peculiarities and relate monstrous fables about her. The article from the New York Sun quoted in the young folks' pages, is apropos of the subject.

To go back of our own day, there are some things in the last fifty years' history which are unusual to the point of grotesqueness. The irresponsible, the fanatical, and the fantastic play their part in all history, and Kansas is no exception.

There is one subject on which every person who lives in Kansas can talk vigorously and that is the subject at the head of this program. There will not be one member who will not have something to say in the discussion of that question.

### HOUSEHOLD PROGRAM.

#### Spring Sewing.

Roll-call—Spring poetry.

I. Spring clothes for the school children.

II. Practical lessons in dressmaking.

III. Latest things in fancy work.

IV. Spring styles.

The responses to roll-call for this program will be very entertaining. There is no one, however prosaic, who does not feel the impulse to write poetry in the time of the spring of the year. Let each one who feels this inclination take pencil in hand and write a couplet, or quatrain, to be read at this meeting. If any one is so matter-of-fact as to be unconscious of any such prompting as this, let her read a stanza or two from some one else, which seems appropriate to the season.

In the spring, when the "young man's fancy lightly turns to thoughts of love," etc., the mother's thought dwells anxiously on little aprons and gingham dresses and small trousers and blouses, waiting to be made. The school children need such quantities of clothes, and they seem to be suddenly needed, all at once. How to manage this part of the year's work, what to make, and how to make it—those are the weighty questions awaiting solution by the writer of the first paper.

The second number on the program should be taken by one who is known as an exceptionally skillful and efficient seamstress. She should illustrate all the points she makes and strive to make her talk practically helpful in the little matters which are so essential to successful sewing.



### Real economy

in Simpson-Eddystone Prints.

Good quality—they last much longer than cheaper fabrics; Patterns are beautiful and new. Fast colors—they look fresh after washing. Simpson-Eddystone Prints have been used for over half a century and are now better than ever.

Ask your dealer for Simpson-Eddystone Prints.

In Blacks, Black-and-Whites, Light Indigo-Blues and Silver-Greys, Shepherd Plaid Effects and a large variety of new and beautiful designs. Thousands of first-class dealers sell them.

The Eddystone Mfg Co (Sole Makers) Philadelphia



## KANSAS OIL

There is no section of America that is attracting the attention that the Kansas Oil Fields are to-day for profitable investments. Chautauqua County offers greater inducements than any other section of the State, because of the high specific gravity of its oil. Prospective investors will reap great benefits by writing to or calling upon

W. A. Barrington, - Sedan, Kansas

## WANTED TOWNSHIP ORGANIZERS FARMERS

CO-OPERATIVE INFORMATION SOCIETY (Non-Political)

An organization of farmers formed for mutual benefit. A co-operative society through which farmers can obtain wholesale prices on their supplies and act together in fighting trusts and other co-operative work. This society will keep you posted on all matters of farm interest, weekly market and crop reports; furnish information, reliable farm help, etc., free to members—non members will be charged a moderate fee which goes to the support of the work. JOIN IMMEDIATELY AND PARTICIPATE IN

### FREE DISTRIBUTION OF SEEDS

now being given to each member—worth \$1 retail. Send 10 cents in stamps to cover cost of mailing, and 20 names and postoffice addresses of farmers in your township who might become charter members and we will send you the seeds and literature. This will also entitle you to a year's subscription to the Society's paper—the best farm paper in America—This paper will also be sent for six months, with your compliments, to each of the 20 farmers who join. A full description of the Society's purpose and plans will be mailed to each proposed charter member who responds within the next thirty days. Address Farmers' Co-Operative Information Society, 911 Schiller Building, Chicago, Ill.

**CULTIVATE: corn, kafir, corn, tobacco, sorghum, potatoes, field beans, beets, cabbage, carrots, parsnips, peas, strawberries.**

**TOWERS' SURFACE CULTIVATORS**

Various sizes for plantation, field or garden for two rows or one row—for three horses, two horses or one horse. "Kansas State Experiment Station's Test for 1904: Deep shovel cultivation yield 50% bu. corn per acre; shallow surface cultivators, 53 4-5 bu. per acre. FREE treatise on Surface Cultivation. Introductory prices where we have no agents.

**J. D. TOWER & SONS CO., 14th St., MENDOTA, ILL.**

## Low Rate Spring Trips To Sunny California



All the way

Ask T. T. KING, Ticket Agent  
A. T. & S. F. Ry., Topeka  
Kansas.

You can go to California any day between March 1st and May 15th for \$25.00, a little more than half fare one way.

Travel comfortably in Tourist Pullman or chair car.

An unusual opportunity to inspect California farm lands.



This is just the book for the farmer to keep his accounts in; systematic in arrangement of accounts; covers every phase of farm accounting; shows the losses and gains at the close of the year; complete instructions and illustrations accompany each ledger; 200 pages 10 by 13 inches, substantially bound. Price, \$3.00 by mail or express, prepaid. Write for sample sheets and testimonials. Address H. G. PHELPS & CO., Publishers, Bozeman, Montana.

**\$3 a Day Sure** Send us your address and we will show you how to make \$3 a day absolutely sure; we furnish the work and teach you free. You work in the locality where you live. Send us your address and we will explain the business fully, remember we guarantee a clear profit of \$3 for every day's work, absolutely sure. Write at once. **ROYAL MANUFACTURING CO., Box 888, Detroit, Mich.**



## JACKSON COUNTY CORN CONTEST.

(Continued from page 313.)

6. Johnson, Carl, Soldier, Route 1.
7. Thompson, C. C., Holton, Route 3.
8. Nissen, Geo., Whiting, Route 2.
9. Hansen, John, Mayetta, Route 1.
10. Hansen, Alvet, Mayetta, Route 1.
11. Hansen, Geo. Mayetta, Route 1.
12. Stauffer, R. A. Holton, Route 1.
13. Stauffer, R. J., Holton, Route 1.
14. Priest, Oscar, Whiting, Route 1.
15. Graham, Carl, Rossville.
16. Spencer, Willie T., Whiting, Route 1.
17. Joy, Clarence, Hoyt, Route 1.
18. Johnson, LeRoy, Soldier.
19. McCann, Harvey, Soldier.
20. Wilkinson, Corliss, Holton, Route 5.
21. Morris, Charley, Hoyt, Star Route.
22. Knox, Garrett, Hoyt.
23. Vine, Geo., Holton, Route 3.
24. Reed, E. J., Mayetta, Route 2.
25. Orr, Wrae, Mayetta, Route 2.
26. Orr, Earl, Mayetta, Route 2.
27. Chase, Allen, Mayetta.
28. Davis, Frank L., Holton, Route 6.
29. Eubanks, John, Holton, Route 4.
30. Hug, Frederick, Mayetta, Route 2.
31. Hug, Oscar, Mayetta, Route 2.
32. Stafford, J. E. Nadeau.
33. Wykert, John, Soldier, Route 1.
34. Birt, Ray, Meriden, Route 2.
35. Birt, Chester, Meriden, Route 2.
36. Hejtmank, Charles, Rossville, Route 13.
37. Hejtmank, Lewis, Rossville, Route 13.
38. Cox, Charley, Mayetta.
39. Morris, George, Nadeau.
40. Hay, Charley, Denison.
41. Bradley, Jesse, Holton, Route 2.
42. Zabell, Albert, Holton, Route 2.
43. Zabell, Walter, Holton, Route 2.
44. Scott, Charley, Holton, Route 2.
45. Edlander, Charley, Holton, Route 2.
46. Tudor, Will, Holton, Route 2.
47. Tudor, Herbert, Holton, Route 2.
48. Tudor, Walter, Holton, Route 2.
49. Ott, Harry, Soldier, Route 1.
50. Ott, Jacob, Soldier, Route 1.
51. King, Harry, Soldier, Route 1.
52. Baker, Hugh, Mayetta, Route 1.
53. Shingleton, Eddie, Mayetta, Route 1.
54. Passley, Charles, Mayetta, Route 1.
55. Passley, Harry, Mayetta, Route 1.
56. Ditch, R. G., Adrian.
57. Fickel, Lawrence, Holton, Route 1.
58. Fickel, Clarence, Holton, Route 1.
59. Fickel, Glenn, Holton, Route 1.
60. Bowser, John M., Holton, Route 1.
61. McGuire, Wallace, Hoyt, Route 1.
62. McGuire, Oscar, Hoyt, Route 1.
63. Lewis, Zella N., Circleville, Star Route.
64. Lewis, Cecil P., Circleville, Star Route.

The list will be limited to 100. One hundred boys in each county ought to be engaged in like contests.

## Miscellany

### Wheat and Alfalfa in Eastern Kansas.

EDITOR KANSAS FARMER:—The wheat looks fairly well at present. It went into winter quarters in about the poorest shape for several years; and there was more complaint of Hessian fly than for sixteen or seventeen years, when every one hereabouts quit raising wheat on account of the fly. We were raising soft wheat then. We could avoid the fly by sowing late, and if we did so, about half of the time the soft wheat would winter-kill. And if it did not winter-kill, the late wheat did not yield well; besides rust and chinch-bugs seemed to effect it more than when sown fairly early. When the fly lays its eggs in the roots of the wheat in the fall, about the only way to kill the eggs that I know of is to get each individual egg, place it on a rock and crack it with a hammer; and when that is done I have known the wheat to grow nearly or quite knee-high before the field would show much damage.

In farming here, for the past twenty years, I have observed that the grain farmers have made more money and have added a great deal more to their holdings that have not kept stock or very little, raising only a few hogs for their own meat, a cow or so, and just enough horses to till the land, than have those that raised corn and fed it to cattle and hogs—I mean as a rule—of course there are exceptions. An old farmer said to me some time ago, "I quit raising corn and feeding it to my cattle and hogs several years ago, for the reason that when my cattle and hogs were ready for market, those fellows down at Kansas City set a price on them and I had to take it. Nine times out of ten it does not pay to hold fat stock for a better price. When I raise corn or wheat I put it in cribs or bins, and if the price does not suit me, I fix a fair price on it and surely get it some time during the year."

A short time since, some one asked the "Old Reliable" about rolling in alfalfa seed and leaving it so. This is my experience: Some twelve years ago about the middle of April, I sowed ten

acres of alfalfa. I got the ground in fine shape by harrowing twice and rolling twice after plowing. Then I sowed the seed and rolled it and left it—the pretties job I ever saw—ground as smooth as a floor. It was very dry at the time, and the wind blew for several days. Great clouds of dust blew over the field even when there seemed to be little dust elsewhere. In about a week most of the seed—along with considerable soil—was over in the next quarter section.

September 17 of last year I finished sowing 30 acres of alfalfa—two or three weeks too late in my opinion. As we had had no rain since the flood in June, it was dry and did not make much growth. The snow which lay on for about six weeks last winter was all that saved it. It is a very thick stand, but it is a question whether it will live until growing-time unless we have rain, as the ground is dry and the subsoil is dry. Some one has said it takes ten inches of snow to make one of water. That is about all we have had, with practically no rain since last summer. I don't like to croak, but we have got to have considerable rain to raise a wheat crop. Of course, there is plenty of time.

Shawnee County. M. F. TATMAN.

[The above was in type before the recent abundant rains.]

### State Socialism.

EDITOR KANSAS FARMER:—I have read your article under the caption, "Is State Socialism Coming?" and note the possibility you point out if certain conditions prevail. I take the article as being fair, not radical.

First of all let me say, I came to Kansas in March, 1857, went through "On the Border," the territorial period, and then endured the "Civil War period," and have watched the results since 1857 till now. I am trying, in fact, to keep up with the trend of present movements. I have real hopes of Kansas—I am an old-time Kansan. I have seen with shame what has been done. There is a God in Israel, I verily believe, and our State must answer for much, notwithstanding her march "to the stars through difficulties." She is the central State of all the States in the constellation and her position is the cynosure of all eyes.

No surprise should be expressed as to her action in relation to one of her natural products—oil. Her natural products are becoming the wonder of all the Eastern capitalists, hence their activity. It means return upon their own investment. But our favored advantages are beginning to cause us trouble because of the voraciousness of the financially powerful. Under our present condition we should not expect anything different, yet it must be noticed that there is a scramble.

It has been reiterated that the "world waxeth worse and worse," but Kansas reverses the moral proposition and hurls back any encroachment upon her forward march to liberty. Kansas must teach the world what liberty of action means. We are menaced with such expressions as this: "Is Kansas becoming socialistic?" Yes—and no. If the over-greedy push their way too far, we may look for almost any kind of a change—that is, in Kansas. We are admonished in the good Book to hope all things, believe all things, and endure all things; but Kansas takes up only that which seemeth good. Being a Kansan of forty-eight years, I think I know her temper, and the true Kansan will brook no interference of the political gang—the element that is forward to serve the monopolies invading Kansas.

Fifteen years ago the Kansans in Oregon, 50,000 strong, were accused of wanting to reverse the order of things there; and being a resident of that State for a short period and at that time, I had to correct the evil-minded, and be somewhat drastic in the treatment of the case. Being in possession of a paper through which I could talk to the producers of that State, the old Oregonians view with me in showing up the ways of monopoly, and loyal friends they were.

Yes, indeed, the other States look to Kansas to take the initial step in whatever is beneficial to the human race

and she must not slack her pace. Kansas is the cradle of liberty and the whole world realizes it.

Graham County.

THOS. H. MCGILL.

### Notes from Beulah-Land.

EDITOR KANSAS FARMER:—The wheat-fields have been watched with much interest, as the weather grows warmer. The late-sown is taking on a healthy color, and many shoots are springing up fresh from the seed, which has lain unsprouted in the ground all winter because of a lack of moisture. Some fields of early-sown have been almost killed by the green louse, and will be sown to oats or planted to corn.

Timothy-seed sown last fall was lost, as the season was very unfavorable to grass-seeding. We sowed timothy this spring on land from which the wheat was cut last harvest. The heavy growth of wet-weather grass which sprang up after harvest was burned in December, and in February timothy was sown on this land without further preparation. The slight freezes settled the seed into the ground and it is now up nicely. I will this month sow on the same ground with timothy, about four or five quarts of clover-seed per acre. But for freezing, I would have sown at the same time of sowing the timothy. I will mow to keep weeds from choking the young grass. Next season I expect to cut a fine crop of hay. If there should be spots without grass, I will haul a little manure and scatter on them, and sow again to timothy.

Our orchard-grass and English blue-grass are making a fine growth. I will sprinkle red clover seed among it this spring. These grasses are not relished by stock, either as hay or as pasture so well as timothy, but they are hardy and beat no grass at all. The same can be said of redbud, which in my opinion is the most valuable grass we have for Southeastern Kansas. I enclose a sprout of orchard and English blue-grass plucked March 19. The orchard-grass measures 6½ inches long, the English blue-grass 10 inches.

As soon as the ground settles we must get the manure, which has accumulated about the stables during the soft weather, hauled out and spread upon the pastures. We find no better use can be made of manure—especially that from stock to which tame hay has been fed—than to scatter it thinly upon the pastures. The manure enriches, the grass-seed grows, and many blades of grass are made to grow where but one grew before. Even so early as now I can not deny the Red Polled cows a daily run on pastures treated thus, they enjoy it so much these March days. How they love to bask in the noontide sun! The butter already has a flavor and hue which annatto will not give. Early feeding does not seem to hurt the pasture when not too soft. Neither does it take the cows' appetite for hay and fodder, while they get their ration of corn-and-cob meal and bran.

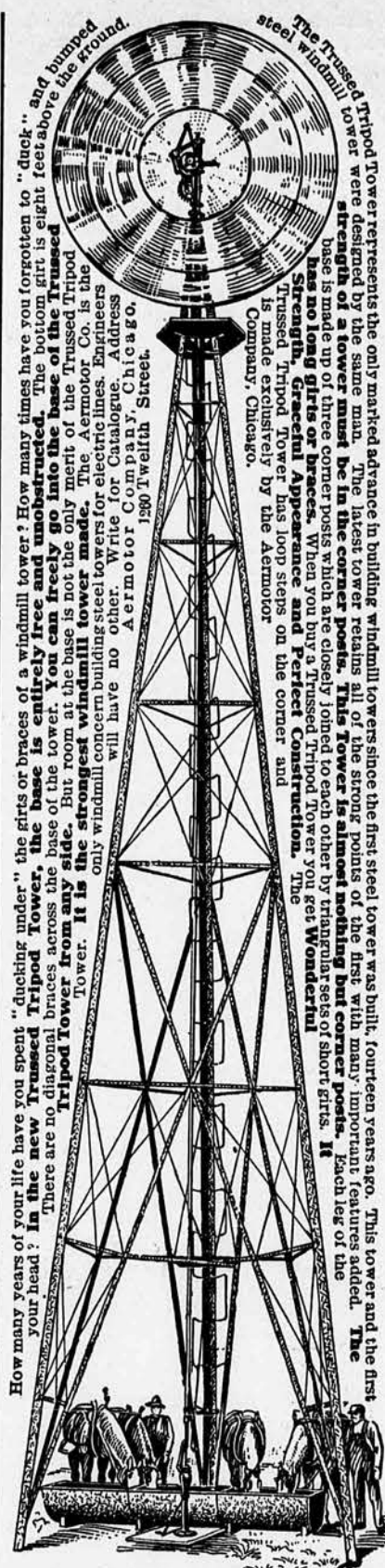
Last fall when the ground was very dry, we spread well-rotted manure over the lawn. The result was very marked. The rank Kentucky blue-grass has already been clipped once with the lawn-mower.

The onions—old-fashioned multipliers—which we planted out last November and covered well with rotted manure, are now several inches high. They will soon be on the table, paying for the labor expended on them with their pungent flavor and healthfulness.

The acre of Russian sunflowers, which we planted in the old orchard and cultivated but twice when too wet to plow corn, produced a fine lot of seed which we fed to hens, while eggs brought 25 cents per dozen. This came nearer being an oil-well adjunct to the farm than anything we have tried. We will plant many more sunflowers this year.

Strawberries have come through the winter in healthy condition, and have made a remarkable growth. They are easy to grow and no farmer's family in Kansas should be without this luscious and healthful fruit.

We used to be greatly bothered



HEAD ROOM  
PUMP ROOM  
TANK ROOM  
STOCK ROOM  
STOCK PROOF

with moles in the garden and lawn, until we got a pure-bred fox terrier. This industrious little fellow keeps the place quite free of these pests now, besides being worth its weight in gold as a companion for our six-year-old boy. Those who are not acquainted with these handsome little dogs can not imagine how useful and lovable they are. I have none for sale. Fox terriers are not stock dogs, however. Stock dogs are a nuisance on a cattle-breeding farm. If you do not agree with me, you have a right to your own opinion. WILKIE BLAIR.

Crawford County.

### Contagious Abortion in Cattle.

The term abortion is applied to the premature birth of the offspring before full term. It is sometimes known as "slinking," "casting," or "losing" the calf. Abortion may be caused by drinking considerable ice-water, eating a large quantity of cold food (frozen roots or green vegetables covered with frost), exposure to rain- or snow-storms or wading in ice-cold water, injuries to the abdomen (as being crushed by a gate, kicks, or being hooked), foods that are easily fermented, also insufficient or very innutri-



tious foods; too close stabling, heavy milking, early breeding, inbreeding, stagnant drinking water, ergoted grasses and smut in the various grains, irritant vegetables, impaction of the rumen and constipation, severe constitutional diseases, direct irritation of the womb (as in the removal of the ovaries or death of the offspring), and irritation of the kidneys. Whenever abortion of cows can not be traced to any of the above causes the contagious form of abortion is to be suspected.

Contagious abortion is quite common in this State and frequently causes considerable loss, not only from losing the young but also from the fact that many of the cows that have aborted fail to breed again. Contagious abortion is probably caused by several different germs and is transmitted from one animal to another by contact, by means of the discharge from the cow that has aborted, the afterbirth, dead calf, and from bulls that have served cows affected with the disease.

Symptoms.—Cows may abort any time, but it usually occurs from the third to the seventh month. Occasionally the early symptoms pass unnoticed, but in most cases there is some heat and enlargement of the udder, the vulva is somewhat swollen, and there is a discharge of white or yellowish mucus which is not like the normal transparent material which discharges during heat. After abortion the afterbirth is usually retained, giving rise to a very disagreeable discharge which continues for some time.

Treatment.—All suspected cows should be isolated from pregnant ones, and should any cows abort, the offspring and afterbirth should be burned or buried deeply and the stable thoroughly disinfected by the use of lime on the floor, after all the litter has been removed and burned. Then the woodwork should be disinfected with corrosive sublimate solution, using it in the proportion of one to one thousand. The tablets of corrosive sublimate may be secured at any drug store with directions for use. Ten days after the first disinfection with corrosive sublimate, all wood-work should be disinfected a second time. A week after the second disinfection the entire stable should be whitewashed.

Cows that have aborted should be washed out with a 1 per cent solution of creolin or lysol, continuing this daily until all discharge has stopped. Pregnant cows should be given sodium hyposulphite once daily, in tablespoonful doses, as a drench. When cows abort in pasture, great care should be taken to burn the offspring on the spot where it is dropped, and the immediate vicinity should be thoroughly limed.

As a precaution to prevent the spread of the disease in an aborting herd, it is well to disinfect the tails and also the vulva and immediate parts with a 5 per cent creolin solution, to make sure of preventing the entrance of the germ into the womb. Bulls that have been with an aborting herd should not be allowed with healthy cattle; and to prevent their spreading the disease they should receive the same disinfection advised for cows. Cleanliness and the proper isolation and disinfection of cattle should be strictly adhered to in order to eradicate the disease.

C. L. BARNES.

Manhattan, Kans., March 7, 1905.

#### THE INTERNATIONAL SUNDAY-SCHOOL LESSON.

(Copyright, Davis W. Clark.)  
First Quarter. Lesson XIII.  
March 26, 1905.

#### The Review.

The early Church did well to select an eagle as the emblem of St. John. He soars high and sees far. The product of his pen is the most valuable portion of the Bible. It has been called the gospel of eternity and the heart of Christ. His style is unique. He does not attempt a minute or chronological narrative. His writing is an argument. He states a proposition and addresses himself to the maintaining of it. His purpose is to cause

the reader to believe that Jesus is the Christ. His method is to take scenic incidents and typical persons and report Jesus' words in connection with them so that there may be reciprocal illumination. He calls the reader to a halt that he may reflect, he epitomizes the argument, makes application, and before he closes swings the golden censor of praise to God.

Peculiar interest attaches to John's person as well as to his writing. An incident illustrates his character. It may, of course, be apocryphal, but Eusebius and Clement both affirm it to be true. The apostle left a young man in care of a certain bishop to be instructed. On his next visit he surprised the bishop by asking for his "deposit." The bishop denied that he had any "deposit," supposing St. John meant money. Then the apostle said, "I demand the young man." The bishop reluctantly admitted that he had allowed the catechumen to apostatize, and that he had become a robber chief. The apostle mounted a horse and put himself in the way of being captured by the robber in order that he might reclaim him. And in this he is said to have succeeded. If this tradition and others like it are true, sacred art has done an injustice to St. John when it has pictured him as effeminate. He was, in fact, a bundle of paradoxes; a fisherman, yet having social access to the high priest's palace; a Galilean, yet intimately familiar with Judea; of none of the schools, yet penning the noblest thing in literature; gentle, yet a son of thunder.

John's Gospel is the oral teaching of his whole ministry reduced to writing. It is a restatement of apostolic doctrine by the last living apostle. It is not a mere supplement to the other Gospels. He did not merely bring up the rear for the purpose of gleanings what others had passed by. He takes great scenic events, six miracles (or signs, as he significantly calls them) and three parables. He gives the setting and background of each and then interprets, or, better, makes the Lord His own interpreter by recording His sayings in the connection. Thus, by a series of clusters of sayings, deeds, and events, he makes what Origen did not hesitate to call "the main gospel."

There is not in literature a finer example of adaptation of style to subject. The noblest and profoundest thought is here clothed in language ample and royal. What the Sistine frescoes are in art, the exordium of the fourth Gospel is to written speech. Yet with all its stateliness there is an inherent simplicity. The similarity between the opening of the Book of Genesis and the opening of this Gospel will be readily recognized. The prologue is in the form of Hebrew poetry, which consists largely of the recurrence of previously expressed thoughts with altered phrase and added meaning.

John the Evangelist paints a noble and fadeless portrait of John the Baptist. He was intensely human. He had like passions to those of other men. The glory of it is that with these he yet acted divinely in a great National crisis. And that not because irresistibly impelled by a power external to himself. His ascetic life was a rational protest to the voluptuousness of his age. His solitariness rebuked the self-interested combination in Church and State. He sought the desert that he might think to a finish a patriotic course of conduct and might fortify his soul with those matured convictions of truth which would insure him even to martyrdom. When at length he felt he was ready to speak and some at least ready to hear he went to the place where the most people would naturally congregate.

Now follow two illuminating incidents—the calling of the first disciples and the working of the first miracle. To them attaches the natural interest in first things. Origins always fascinate. Every book of genesis is attractive. This is the beginning of the Christian Church. The interest ordinarily attaching to the start of things is in this instance greatly enhanced by the sacred character of the institution, its phenomenal history, and its world-wide and beneficent effects.

The visit of Nicodemus to Jesus

ought to be viewed in the light of events then transpiring. The breach between the officials of the Hebrew Church and the reforming rabbi had already begun. Nicodemus rose superior to the prejudice of his clique and visited the Teacher. Wonder is not that he came at night, but that he came at all. What nonplused Nicodemus was to be told that he could only come into the kingdom as the proselyte came into the Hebrew Church. He considered himself a charter member. To find that it was not a question of higher or lower seat, but of any seat at all, was what dumfounded him.

The scenes shift swiftly in this absorbingly interesting panorama. Jesus' conversation with the woman at Jacob's well, to whom He makes His first categorical declaration of Messiahship. The healing of the nobleman's son is a history of the generation, growth, and fruitage of faith all in epitome. Jesus, at the Pool of Bethesda, is a picture of His sympathy and power. The event also marks the beginning of official hostility to Jesus.

There is a philosophic continuity in John's presentation of incidents which is far more effective than a bald chronological series. He does not do violence to chronology, but he is not hampered by it. His purpose is to show the evolution of Jesus' character and work. Next in this order comes the miracle of the loaves and fishes, followed by the appearance of Jesus at the Feast of Tabernacles, and closing with the miracle of the healing of the man born blind. This latter miracle was like so many others, an acted parable. Jesus refused to enter with His disciples into the current and favorite speculation which summed itself in the question whether the man or his parents were sinners; whether the suffering was sign of sin, and the degree of it indicated the degree of the sin. He turned from splitting hairs to opening eyes. It pleased Him to condescend to the use of the crude materia medica of the day in order to strengthen the growing faith of the unfortunate man and to make the cure the more conspicuous. John's glowing narrative gives us a dissolving view, fascinating and impressive. The pitiful mendicant dies away, and in his stead appears a glorious confessor, witty and dauntless, meet to be enrolled in the noble army of the faithful.

Yung man, don't never put yure hand in the lion's mouth. If yu happen to askape it, it only proves that the lion just at that time wuz looking for a bigger job.—Billings.

On page 328 our readers will notice the advertisement of the Kansas Safety Incubator, which is manufactured by W. E. Smith, Osborne, Kans. This machine is a late invention by a Kansan and is manufactured and sold under patents now pending in the Department at Washington. It is a hot-water machine, the boiler and tubes of which are made of 12-ounce cold-rolled copper, capable of lasting a lifetime if properly cared for. The advantages of hot water are the evenness of temperature and the length of time it will retain heat, should the lamp be removed, or any accident happen to it. The incubator is so constructed that all portions of it are heated alike and there are no cold corners. It is automatically regulated, so that whether the damper is open or shut, there is no change in the flame of the lamp. It is perfectly ventilated and is provided with an absorbent mat for the purpose of taking up any surplus moisture in the egg-chamber without driving it out as is done in most machines of this kind. This obviates the necessity of applied moisture. Beneath the egg-tray is a chick nursery, made of burlap so arranged that the chicks will dry themselves quickly. Mr. Smith also manufactures the Kansas Safety Brooder, the lamp of which is protected by an iron stove, arranged so as to provide the correct amount of heat and absolute safety. These incubators and brooders are sold at very low prices to introduce them, and are sold under the guarantee that if they do not do the work as represented the purchase money will be refunded. A ten-year guarantee is given with each incubator except on the lamp. Write to Mr. Smith for one of his free catalogues and mention the Kansas Farmer.

## PILES

**NO MONEY TILL CURED. 27 YEARS ESTABLISHED.**  
We send FREE and postpaid a 232-page treatise on Piles, Fistula and Diseases of the Rectum; also 108-page illustrated treatise on Diseases of Women. Of the thousands cured by our mild method none paid a cent till cured—we furnish their names on application.  
8369 Olive Street, St. Louis, Mo.  
DRS. THORNTON & MINOR, and 907 Oak St., Kansas City, Mo.

## Going to Business College?

If so, you will be interested in our beautiful illustrated catalogue. It tells all about our courses of study, equipments, methods of instruction, and the success of our graduates. It is free. Address:  
**LINCOLN BUSINESS COLLEGE, Dept. 33, Lincoln, Neb.**

# EXCURSIONS

## TO THE Free Grant Lands OF WESTERN CANADA

During the months of March and April there will be excursions on the various lines of railway to the Canadian West.

Hundreds of thousands of acres of the best Wheat and Grazing Lands on the Continent free to the settlers. Adjoining lands may be purchased from railway and land companies at reasonable prices. For information as to route, cost of transportation, etc. apply to

J. S. CRAWFORD

125 Ninth Street, Kansas City Mo.  
When writing mention this paper.

## \$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."

J. A. WALKER.

R. F. D. No. 6, Salem, Ind.  
Dr. Miles' Anti-Pain Pills are sold by your druggist, who will guarantee that the first package will benefit. If it fails he will return your money. 25 doses, 25 cents. Never sold in bulk.  
Miles Medical Co., Elkhart, Ind.



**LIGHTNING SCALES**

**U S STANDARD**

**ACCURATE DURABLE**

**GUARANTEED**

KANSAS CITY HAY PRESS CO  
129 MILL ST. KANSAS CITY, MO.

The call that awakens us out of despair in times of affliction is the trumpet-call of duty, summoning us back to the battle.

The Evergreen Nursery Co., of Sturgeon Bay, Wis., makes a specialty of the Arbor Vitae hedges. They claim that a fine hedge 150 feet long can be grown at a cost of \$2. Write them for their elegant catalogue, which will explain how to do it and where to get the plants.



## In the Dairy

### Ration for Dairy Cows.

In feeding the following ration to milch cows, is the cottonseed-meal in the right proportion?

Roughness, alfalfa; corn-chop,  $\frac{1}{2}$ ; bran,  $\frac{1}{3}$ ; cottonseed-meal,  $\frac{1}{3}$ ;—each cow a gallon twice daily.

I have heard of some people having bad results in feeding too much cottonseed-meal. Is it good feed for work-horses as part of a ration? If so, what part?

The price of mill stuffs here is: Corn-chop, \$1 per 100 pounds; bran, 95 cents per 100 pounds; shorts, \$1.10 per 100 pounds; cottonseed-meal, \$1.30 per 100 pounds. W. F. SPONSLER, Lyon County.

I have figured out the ration which you are feeding, and by weight it is about as follows: Four pounds of corn-chop; 3.72 pounds of cottonseed-meal; 1.33 pounds of bran, and the cows will undoubtedly eat about 20 pounds of alfalfa hay if it is of good quality. By calculating the digestible nutrients furnished in this ration I find we have 4.06 pounds of protein, 11.73 pounds of carbohydrates, and .9 pound of fat. This furnishes protein greatly in excess of what is required for a satisfactory milk-producing ration,  $2\frac{1}{2}$  pounds being sufficient for a cow giving 25 or 30 pounds of milk daily. Figuring alfalfa hay at \$7 per ton and the other feeds as quoted in your inquiry, I find this ration will cost over 18 cents daily. Where good quality of alfalfa hay is fed to dairy cows for roughage, there is very little need for giving any of the rich protein feeds, such as oil-meal, cottonseed-meal or gluten feed. Corn and alfalfa alone make a very nearly balanced ration for the production of milk, and I would suggest the following ration: Twenty pounds of alfalfa, 8 pounds of corn-meal, or better, corn-and-cob-meal. This will supply 2.8 pounds of protein, 13.25 pounds of carbohydrates and a little over .5 pound of fat, which is a very liberal allowance for the production of from 30 to 35 pounds of milk daily, and at the prices quoted it will cost but 15 cents. Since bran is cheaper per hundredweight than corn, it might be just as well in your case to feed say about 6 pounds of corn and 2 pounds of bran.

The amount of grain fed the cows should not be the same with each individual, as different cows will have different capacities for the production of milk, and the observation of the

feeder should determine the amounts to be fed to each cow. A milk record—that is, weighing the milk and keeping track of the production of the different cows, will be a still better method.

Cottonseed-meal is a feed which contains about 37 pounds of protein in 100 pounds, and is useful for balancing rations which are very deficient in protein. As a horse-feed it has been successfully used by several experiment stations and apparently, up to about two pounds per head daily, has proved to be a satisfactory feed. The Biltmore farms of North Carolina report that they feed their horses and mules two pounds of cottonseed-meal with 13 to 15 pounds of cut hay, four pounds of wheat bran and six pounds of corn-meal. At the Louisiana Experiment Station from one to two pounds per day has been fed satisfactorily to horses and mules. Director Stubbs of that station recommends that only meal showing a bright yellow color and a nutty, pleasant odor and taste should be used and no reddish or musty meal should under any circumstances be fed. It is a very concentrated feed and horses should be brought to it very gradually. If you are able to feed some first-class quality of alfalfa hay to your horses, I would hardly think it advisable to feed cottonseed-meal. If you are using prairie or timothy hay as the sole roughage, you can use it as above directed. GEO. C. WHEELER.

### Kicking Cows.

EDITOR KANSAS FARMER:—I noticed in an issue of the KANSAS FARMER last fall that a man spoke of a remedy for a kicking cow. He said: "Tie a strap in the form of a figure eight around her hind legs if you have a cow that kicks, and put a rope on her legs to make her stand to be milked." Because the rope gets soiled with the dung I have long discarded that way. I have a strap that is six inches longer than the size of her leg, with a buckle on one end. Tie a ring from an old cultivator or sulky-plow neck-yoke to it in the middle and fasten to a rope. Bore a hole in the studding and put a clevis in it and draw the right hind leg back a foot from the other. Do not feed the cow when milking and she will back as far as the chain will allow and the strap will be kept clean. A SUBSCRIBER, Sedgwick County.

### Dairying on a Small Scale.

We are desirous of improving our business and have nearly concluded that five to ten cows with a separator would be a success.

All dairy breeds have some merits. We want a rich, liberal milker that will give the most butter-fat and most milk. Considering that we have no pasture, which is the most productive breed? Would you advise buying purebreds for such a purpose, and keeping them straight? Are there any breeders of pure-bred dairy cattle in this State who have produced individuals up to the standard?

Although we have kept a few cows, we do not know the value and merits of the respective breeds. We can afford to keep only the best. Our experience has been that there is always a demand for first-class individuals at a good to high price. Most buyers know a good hog and select one even at a higher figure. ALVEY BROS., Wyandotte County.

If you intend going into the dairy business on even a small scale, I would by all means advise that you try to secure pasture for your cows during the summer season. While there may be some profit in keeping a dairy herd and feeding soiling-crops and doing without pasture, there is sure to be more profit if the herd runs in a good pasture.

If a rich milker is desired, perhaps either the Jerseys or Guernseys would answer the purpose best; and if no pasture can be secured, it would hardly be practicable to keep pure-bred stock, as it is a hard matter to keep breeding-stock in good condition without pasture. If a herd is to be kept by the use of soiling-crops, it will not pay to keep poor individuals; but with a plentiful supply of green feeds a pure-

# BUYING A CREAM SEPARATOR

Thousands of dairy farmers are going to buy a Cream Separator this spring. The purchase of a separator is a most important investment. Great care should be taken to make no mistake.

No other farm investment is of equal importance to the cream separator. It makes or wastes money twice every day in the year, and it may last two or twenty years.

There is easily a difference of from \$50 to \$150 per year between the benefits and savings of a De Laval machine and a poor one. A De Laval machine lasts at least twenty years with small cost for repairs, while other machines last from two to ten years and cost a great deal meanwhile.

So far as advertisements and circulars are concerned, about as much is claimed "on paper" for poor machines as for the De Laval. Some of the biggest claims are made for the poorest and trashiest machines.

If the buyer wishes to be guided by the best experience of others and the best of authority he must purchase a De Laval machine, and he can surely make no mistake in doing so.

98 per cent of the creameries of the world, which have been using Cream Separators for twenty-five years, now use De Laval machines. Almost every prominent dairy user does so. 600,000 farmers scattered all over the world, or more than ten times all others combined, do so. Every important Exposition for twenty-five years, ending with St. Louis in 1904, has unhesitatingly granted Highest Honors to the De Laval machines.

But if from any imaginable reason the buyer wants to get his own experience or make his own choice then let him TRY as many machines as he pleases, but by all means TRY a De Laval before he reaches a conclusion and actually invests his money in any of them.

There are De Laval agents in every locality whose business it is to supply machines in this way, and who are glad of the opportunity to do so. If you don't know the nearest agent send for his name and address. It will cost you nothing and it may save you a good deal.

By all means don't make the foolish mistake of sending your money in advance to some "mail order" concern and getting back a "scrub" separator not actually worth its weight in scrap-iron. If content to buy such a machine at least SEE and TRY it first before you part with any money.

## THE DE LAVAL SEPARATOR CO.,

Randolph & Canal Sts.,  
CHICAGO.

1213 Filbert Street,  
PHILADELPHIA.

9 & 11 Drumm Street,  
SAN FRANCISCO.

General Offices:

74 CORTLANDT STREET,

NEW YORK.

121 Youville Square  
MONTREAL.

75 & 77 York street,  
TORONTO.

248 McDermot Avenue  
WINNIPEG.

## Sharples Tubular SEPARATORS

### A Boon to Farmers' Wives



Why not save half the standing-lifting—washing? Make your dairy work twice as easy—twice as profitable. Our friends call the Tubular Cream Separator the "Easy Way." Try it. Catalog J-165 describes it.

The Sharples Co  
Chicago, Ill.

P. M. Sharples  
West Chester, Pa.





Now that the hand cream separator has become a fixed fact in dairy economy all you need decide is the kind of separator you will buy.

## The Omega SEPARATOR

offers the advantage of being the simplest, easiest to run, easiest to clean and the cleanest skimmer on the market. Made in various sizes to suit every requirement. Gets all the butter fat in the milk and produces a heavy, high per cent cream. Our book, MILK RETURNS, tells about the Omega and its points of superiority. Ask for the book—it's free. We want agents everywhere. Special offers to experienced separator salesmen.

**The Omega Separator Co.,**  
23 Concord St. or Department F  
Lansing, Mich. or Minneapolis, Minn.

# DONT

Put Your Hand in Your Pocket



until you have investigated our method of selling the Cleveland Cream Separator on 30 days free trial. We will save you from \$20.00 to \$30.00 on the first cost of your machine. Other manufacturers put that much money into selling every machine that they make.

## The Cleveland

is easiest to clean of any Cream Separator ever made in the world. Runs easier than any other Separator because it is the only one that is ball bearing throughout. The Cleveland has to skim perfectly under all conditions because it is always sold on free trial. Write for the free catalogue. It tells in a simple, plain way how the Cleveland is made and how we can save you money.

**The Cleveland Cream Separator Co.**  
334 Michigan St., Cleveland, Ohio.  
No expense to you to receive, try and return the Separator. We pay the freight both ways.

## 30 Days Free Trial



## If You Need the Money

Begin to save it now. Your cows will help you. Our separator book will tell you how. Send for it today and you will find at least one stamp that was worth spending two cents for when you learn more about the

**DAVIS CREAM SEPARATOR**  
They are popular because they make friends and keep them. They make friends because they are just what we say they are—Good money makers for the dairy farmer. Simple to understand, easy to handle, and the most durable machine of its kind. Let us tell you why. Our catalogue free.

**Davis Cream Separator Co.**  
54-54 N. Clinton St., Chicago, Ill.

**McMILLAN FUR & WOOL CO**  
THE BIG OLD ESTABLISHED HOUSE BUYING



# FURS

PELTS DEERSKINS CINSKIN GOLDEN SEAL  
IMPORTERS FURS MINNEAPOLIS TANNERY  
U.S. AND GET THE BEST AND

bred herd might be kept in fairly good condition, and the increase from the pure-bred herd would be far more valuable than the common grade or scrub herd. The Jerseys produce very rich milk and in many instances give a liberal quantity. The Holsteins will give much the larger quantities, but the milk will not test nearly so high in butter-fat as the Jerseys. The Ayrshires give a moderate supply of milk of medium test, but if the herd is to be kept stabled the greater part of the year and without pasture, and if a pure-bred herd is to be kept, perhaps the Jerseys would be the best adapted for such a purpose, and prove themselves the most profitable.

There are several breeders of dairy stock in Kansas whose addresses can be had in the Improved Stock-Breeders' Directory. J. R. KINZER.

### Experimenting With Dairy Cows.

Excerpts from Bulletin No. 125, Kansas Experiment Station, by D. H. Otis. (Continued.)

#### WATER FOR DAIRY COWS.

Observations of the college dairy herd show that the cows appreciate cool water in summer, and water from which the chill has been removed in winter. Cows will frequently take a drink where the water enters the trough, thus getting it fresh and cool; in the winter-time they are noticed to drink near the tank-heater, where the water is warm. As milk is composed of 87 per cent water, it is desirable that the cows be given all of this ingredient they need, and it should be given in such form and at such times that it will enable them to have all that they need, and have it in the best possible condition for obtaining a good milk yield.

In the creamery patrons' investigation referred to in the early part of this bulletin, there were eighteen patrons, 20 per cent out of the eighty-two patrons, that compelled their cows to drink ice-water from a creek or pond in winter. Experience tells us that the dairy cow will not do her best when the water is so cold that it makes her teeth chatter to drink it; furthermore, our experience tells us that it is no more work to keep tank-heaters running in water than it is to break the ice.

This station has been using several makes of heaters in the cowyard and feed-lots, and we give herewith our experience in running these heaters from December 2, 1900, until April 1, 1901, as given in Table XXIX.

TABLE XXIX—EXPERIENCE WITH TANK-HEATERS.

	Time fired days.	Coal total lbs.	Pounds used daily.
"United States," U. S. Wind Engine and Power Co., Batavia, Ill.	119	1,869	15.7
"United States," U. S. Wind Engine and Power Co., Batavia, Ill.	119	1,933	16.2
"Butler," Butler Co., Butler, Ind.	119	1,894	15.9
"Goshen," Kelly Foundry and Machine Co., Goshen, Ind.	119	2,180	18.3
"Champaign," H. Reynolds, Gifford, Ill.	111	940	8.46
Total coal consumed by heaters, pounds.		10,354	
Average per heater, pounds.		1,725.6	
Average consumption of coal per heater per day.		14.66	
Total cost of coal, dollars.		20.70	
Average cost per heater, dollars.		3.45	
Average cost of coal per heater per day, cents.		.029	

Water exposed to the hot sun in summer is not very inviting to the sensitive dairy cow. In providing water it is well to consult one's own feelings, and provide such as one would be willing to drink himself. This would induce a man not to give his cows water from stagnant ponds, where a vast amount of impure matter comes from the drainage of land which is covered with decomposing matter, and brings to their cows an unaccountable number of various injurious germs. Such water is not fit to smell, much less to taste or drink. If it is necessary to have cows get water from a pond, it should be drawn off through the means of a pipe to a distance far enough to keep the cattle from standing in it and making it muddy and disagreeable.

#### COMFORT OF THE COW.

The nervous system of the cow is in close connection with the milk-secreting system, and we find that in order to get the best results the cow must be surrounded with such conditions as will appeal to her maternal instinct. This is helped by providing plenty of ventilation and sunlight, and it is also helped by keeping cows out of dark



## A Sure Money Maker On the Farm

When you buy a Cream Separator you cheat yourself if you don't get the machine that makes and saves the most money for you. Cream, repairs and oil—all represent money.

## The United States Cream Separator

holds the world's record for clean skimming—saves cream every day that other separators lose. Substantial and simple—extremely durable. No joints to work loose, no ratchet pin to break off, no exposed gears to be injured—no repairs. Perfect adjustment of working parts—no oil wasted. You can't make your cows pay you as they should without a U. S. Cream Separator. Write for free illustrated catalogue to-day.

## The Vermont Farm Machine Company

WAREHOUSES at Chicago, Minneapolis, Omaha, La Crosse, Wis., Sioux City, Ia., Kansas City, Mo., Salt Lake City, Utah, San Francisco, Cal., Portland, Ore., Buffalo, N. Y., Portland, Me., Montreal and Sherbrooke, Que., Hamilton, Ont. Address all letters to Bellows Falls, Vt.

basements, where dust accumulates and germs thrive.

**Shade.**—During the summer of 1899 provision was made for a wood-lot into which our cattle could run when on a hill pasture. It was noticed that the cows ignored the efforts that we put forward to provide them shade in a ravine near by and went to the top of a hill instead. The stiff breezes usually found on this high space had the effect of driving away many of the flies, and left the cows free to manufacture pasture grass into milk. Where it is possible to provide a place of this kind with shade-trees it would make an ideal summer resort for the dairy cow, for which she would express her thanks in the form of an increased yield of butter-fat.

**Scratching-Poles.**—We have also found it advisable to have scratching-poles in the yard. One end of a long pole can be set in the ground and the other fastened to an upright post. The pole will thus form an incline with the surface of the ground and will present

the flies, and allow the cows to run on pasture at night.

Where this arrangement is not possible, we have found by testing several fly mixtures, that it is possible to produce a mixture that will work reasonably well in keeping flies away. The best mixture that we have used, all things considered, seems to be that worked out by the entomological department of this station, and is as follows: Resin, one and one-half pounds; laundry soap, two cakes; fish-oil, one-half pint; enough water to make three gallons. Dissolve the resin in a solution of soap and water by heating; add the fish-oil and the rest of the water. Apply with a brush. If to be used as a spray, add one-half pint of kerosene. The mixture will cost from seven to eight cents per gallon, and may be used on either calves or cows. One-half pint of this mixture is considered enough for one application for a cow; a calf, of course, would require considerably less. It will be more economical to apply this only to parts not reached by the tail. At first it will perhaps be necessary to give two or three applications per week, until the outer ends of the hair become coated with resin. After that retouch those parts where the resin is rubbed off.

At the time of milking, we find that it materially adds to the comfort of the cow and the milker to have material like gunny-sacks that will reach the full length of the cow and come down low enough to hold her tail. This will keep the cow from switching her tail into the milk-pail and into the milker's face.

**Lice.**—With the best of care, lice will sometimes appear on the cattle; they are readily gotten rid of by an application of kerosene emulsion or by using some of the dips that are extensively advertised and sold on the market.

**A Fire Department in Your Own Home at Low Cost. Protection Assured and Guaranteed. Endorsed by Fire Insurance Writers and Chiefs of Fire Departments Everywhere.**

For one dollar, I will send postpaid to any address, my full and complete formula for making and using my celebrated dry powder fire extinguisher, the materials for which can be purchased from any druggist for a few cents per pound. So simple a child can operate them. Protect your homes, farm and ranch buildings, oil derricks and other structures. Don't pay extravagant prices for extinguishers not a whit better than mine. Its effects are instantaneous and certain. Entirely safe and as harmless as sugar to anything except fire which it destroys in the twinkling of an eye. Made in a few minutes at your home. Always ready. Never deteriorates. Keeps indefinitely in any climate. Supply your neighbors and others at a handsome profit. Splendid opportunity for farm boys to make some extra spending money. Don't delay. This offer may not appear again. Order to-day. You can not afford to be without this protection. Address, J. R. Lusk, Topeka, Kans.







POULTRY BREEDERS' DIRECTORY.

FOR SALE—Rose Comb Rhode Island Red cockerels at \$1 each. Must have room. Satisfaction guaranteed. A. R. Gage, Minneapolis, Kans.

INDIAN RUNNER DUCKS—Eggs, \$1.50 per sitting. Most profitable fowl raised; 200 eggs per year. Great demand for fowls and eggs. Order now. L. D. Arnold, Abilene, Kans.

WHITE WYANDOTTES—Chicely mated and free range stock. Eggs, \$1.50 per 15. Incubator eggs, \$4 per 100. L. D. Arnold, Abilene, Kans.

SUNNYSIDE FARM—Pure-bred S. C. B. Leghorns and S. L. Wyandottes. Eggs, 15 for \$1; 100 for \$4. Also Mammoth Pekin duck eggs, 13 for 50c. Ira Campbell, Edgerton, Kans.

WHITE PLYMOUTH ROCK EGGS for sitting—Fine stock; farm raised. Price, \$1 for 15; special price by the hundred. Shipped by express, carefully packed, anywhere. Mrs. C. E. Walker, Route 8, Topeka, Kans.

PURE-BRED ROSE COMB BROWN LEGHORN EGGS—15 for \$1; 50 for \$2.50; 100 for \$4. Mrs. John Holzhey, Bendena, Doniphan Co., Kans.

S. L. WYANDOTTES—Pure-bred eggs, for hatching, from choice matings, at \$1.50 per 15. Mrs. J. A. Magee, Larned, Kans.

LIGHT BRAHMA EGGS—From farm range birds of good score, 15 for \$1; 50 for \$1.75; \$4.50 per 100. Ship over U. P. R. L. or Santa Fe. Mrs. L. A. Abbott, Route 1, Wamego, Kans.

MOTTLED ANCONAS—The best known layers; eggs, \$1 per 15; \$5 per 100. Mrs. Adaline H. Gosler, Matfield Green, Kans.

WHITE WYANDOTTE EGGS—For hatching; \$1 per sitting; \$5 per 100. Mrs. E. F. Ney, Route 1, Bonner Springs, Kans.

EGGS FOR SALE—S. C. W. Leghorns, W. Wyandottes; \$1 per 15. W. H. turkeys, \$1.50 per 9. Emden geese, 200 each. W. African guineas, \$1 per 17. All guaranteed pure-bred. A. F. Hutley, Route 2, Maple Hill, Kans.

SILVER WYANDOTTES FOR SALE—Eggs from gold medal winners, 15, \$3; 30, \$5. Silvers, farm-range, 100, \$4. Mrs. J. W. Gause, Emporia, Kans.

S. C. BROWN LEGHORN EGGS—By the 100, for incubator purposes, \$5. H. C. Short, Leavenworth, Kans.

RHODE ISLAND REDS—A hardy, early maturing, general-purpose fowl; original stock from the east. Eggs, per 15, \$1.25; 30, \$2. Mrs. G. F. Kellerman, Vinewood Farm, Mound City, Kans.

S. C. B. LEGHORN EGGS—Champion layers. Cockerels from State prize winners. \$1 per sitting; \$5 per 100. Mrs. D. Evans, Edgerton, Kans.

WEISS CHICK FEED

A complete food for newly hatched chicks, the best and cheapest in the West. Alfalfa stock food. Alfalfa mash egg food. Poultry supplies. Send for circular.

OTTO WEISS ALFALFA MEAL CO.  
WICHITA, KANS.

EGGS AT BARGAINS

Buff Orpingtons. Partridge Cochins.  
Black Langshans. Light Brahmas.  
Barred P. Rocks. White Wyandottes.  
Buff P. Rocks. Buff Leghorns.  
C. I. Games. R. I. Reds.

All high-class stock of the best strains. For prices on larger or smaller lots write,

T. J. PUGH,  
Fullerton, - Neb.

GOOD RESULTS.  
To be absolutely sure about it use the RELIABLE INCUBATORS & BROODERS. If the eggs are right, you can't make a mistake. Just follow instructions—the Reliable will do the rest. OUR 20TH other things you should know. We have 115 years of thoroughbred poultry. RELIABLE INCUB. & BRDR. CO., Box B. 62 Quincy, Ill.

\$12.80 For 200 Egg INCUBATOR  
Perfect in construction and action. Hatches every fertile egg. Write for catalog to-day.  
GEO. H. STAHL, Quincy, Ill.

Royal Incubator  
One Hatch Free  
So easy to operate and so certain to please that we send it 30 DAYS FREE.  
Pay for it if you like it. Incubator, poultry and poultry supply catalog FREE. Poultry paper 1 yr. 10c.  
ROYAL INCUBATOR CO., Drawer 66 Des Moines, Iowa.

The Racine Incubator  
Built by the man who devoted 23 years to its present perfect development.  
Can be operated by anyone, anywhere. Automatic regulator, copper tank, white pine case, double walled, nursery. Built to last 20 years. Don't buy until you read our remarkable Incubator Book, written by the man who made the Racine. When you learn what he knows, you will want his machine, we think. The book is free. Write for it. Warehouses, Buffalo, Kansas City, St. Paul. Address Racine Hatchery Co. Box 88 Racine, Wis.

crowded together, can not but be detrimental to the best health and thrift of the fowls.

If they are well fed from the start so as to secure a vigorous growth, it is comparatively easy to make incubator chickens weigh two pounds when they are ten weeks old.

When the eggs from young pullets are to be used for hatching they should be from the best hens in the flock so as to transmit the good qualities of their dams. It costs no more to select the best and improve the flock than it does to breed without regard to system.

A small yard or pen eight or ten feet square with a snug coop for night use makes a nice run for one brood, and the difference in the number of chickens raised will more than offset the cost. The little chicks will keep healthier and thrive better if kept under control until they are at least three weeks old.

Chickens are often weak, because the eggs during hatching have been too much handled. The chicks come out best when left to the care of the mother hen, and never once moved by the keeper. If the nest is placed where other fowls do not bother, there ought not to be any occasion for disturbing the hen in any way during incubation.

Some Good Poultry Reading.

What to feed, what not to feed, when, how and how much—these are things that trouble the old poultry-raiser as well as the novice, in starting chicks, goslings, young turkeys and ducks. A little book which has just been gotten out by the Royal Incubator Company of Des Moines, Iowa, has reached us. It deals so directly and plainly with these questions, and yet in such small space and such easy, familiar style, that we feel like urging our readers to send for it. Its scope is wider than the mere matter of feeding, though that subject is given the prominence it deserves. The title is "The Proper Care and Feeding of Chickens, Ducks, Geese, and Turkeys." It is sold at 10 cents, and it is well worth the price to everybody who raises poultry. The information and suggestions are in compact form, so that they will be put into practice every day. It is to be had only by writing to the Royal Incubator Company at the address given above, enclosing the price.

\$5 Cash Prizes for Photographs of Stock.

Agricultural Advertising, 156 Wabash Avenue, Chicago, a magazine devoted to advertising, offers a cash prize of \$5 for the best photograph of a farmyard, showing live stock in the foreground, or forming a part of the picture. The object is to get a pleasing picture of a prosperous looking farmyard.

A prize of \$5 will also be given for the best photograph of a single domestic animal, or the head of an animal.

Half-tone engravings will be made from the prize photographs, and published in the May number of Agricultural Advertising. This is to be the Live Stock Number.

This competition is open to all, and the size of photographs does not signify, so long as the objects are clear and sharp.

Photographs must be in hand by April 15. Wrap carefully and mail to Editor Agricultural Advertising, 156 Wabash Avenue, Chicago. All photographs not used will be returned postage paid to the sender. Place name and address plainly on back of photograph, and write a short letter descriptive of scene or animal, and mail to address given.

Cures Bog Spavin.  
Corona, I. I., N. Y., Nov. 13, 1904.  
Dr. B. J. Kendall Co., Enosburg Falls, Vt. Gentlemen:—Please send me a copy of your "Treatise on the Horse and His Diseases." I have two horses which had Bog Spavin on both legs. I have treated them with Kendall's Spavin Cure for two months and find the Spavins cured. I spent considerable money on veterinaries until a friend of mine recommended Kendall's Spavin Cure, which I am satisfied will cure any case. Yours truly,  
EMIL LINDERMAN.

10,000 Plants for 16c.  
This is a remarkable offer the John A. Salzer Seed Co., La Crosse, Wis., makes.

Salzer Seeds have a national reputation as the earliest, finest, choicest the earth produces. They will send you their big plant and seed catalog, together with enough seed to grow

1,000 fine, solid Cabbages,  
2,000 rich, juicy Turnips,  
2,000 blanching, nutty Celery,  
2,000 rich, buttery Lettuce,  
1,000 splendid Onions,  
1,000 rare, luscious Radishes,  
1,000 gloriously brilliant Flowers.

This great offer is made in order to induce you to try their warranted seeds—for when you once plant them you will grow no others, and

ALL FOR BUT 16c POSTAGE,  
providing you will return this notice, and if you will send them 26c in postage, they will add to the above a big package of the earliest Sweet Corn on earth—Salzer's Fourth of July—fully 10 days earlier than Cory, Peep o' Day, etc., etc.



On The War Path

Not for "Scalps" for I'm a "Friendly" but for orders for the

Hiawatha Incubator

THE "Honest Injun" Hatcher. This is the machine you need if you want to make a success of the chicken business. Get my catalogue. You will see that my prices are lower than any other good machine. Those that sell as cheap or cheaper, are not as good as mine. We give you every last penny of your money back if you don't like the Hiawatha. You won't "take a farm for it" after you have used it once. Ask the man that runs one. Don't put off ordering any longer. Be forehanded. Do it now. Let me have that order. Write today to

THE HIAWATHA MFG. CO.  
81 Oregon St., Hiawatha, Kan.



Not the Oldest BUT THE BEST

HAWKEYE SPECIAL INCUBATOR  
100-Egg Capacity  
30 DAYS FREE TRIAL  
The "Hawkeye" way of proving superiority. Now isn't that fair and square?  
WRITE for details of our free trial offer. Hawkeye Instruction Book Free with machine. Hawkeye Incubator Co., Box 94, Newton, Iowa.

The "Mandy" Lee  
Incubators and Brooders  
Embrace nine original and distinct improvements not found in other machines—increasing their money-producing powers, making them simpler and easier to manage and insuring success to all users. Are all described in our new, free catalogue. Write for it. Geo. H. Lee Co., Box 41, Omaha, Neb.

THE Victor BOOK  
tells how to make money—how to raise young chicks for early spring markets when prices are high. How to make a profit on ducks. How to feed for heavy fowls. How to make hens lay. Why not get an adequate return from poultry? Why not try modern methods this year? Why not learn about incubators and brooders from a firm who have been in business since 1867, and who know how to make satisfactory machines? Write us for the book today. It is free.  
GEO. ERTEL CO., Quincy, Ill.

\$7.00 Buys the Best 120-EGG INCUBATOR  
freight prepaid, ever made.  
Double cases all over; best copper tank; hot water; Brooder \$4.50. Incubator and Brooder ordered together \$11.00. Satisfaction guaranteed. Our book, "Hatching Facts" tells all about them. Mailed free. Write today.  
BELLE CITY INCUBATOR CO., Box 18, Racine, Wis.

INCUBATOR  
Johnson started his new Pay-for-itself hatcher last year and raised a rumpus with high prices. Don't get fooled. Put your trust in Old Trusty.  
The Incubator that is sent on 40 Days Trial Five Year Guarantee.  
The training he got making 50,000 other incubators enabled him to make "Old Trusty" right. Every user says it's right. No other incubator ever got in first rank the first year. You should get Johnson's Free Catalog and Advice Book. He wrote it. Makes his success your success.  
M. M. Johnson Co., Clay Center, Neb.

BEE SUPPLIES  
Now is the time to buy your Bee and Poultry supplies, large stock, lowest prices. We are Western agents for the Cyphers Incubator Brooders, etc., at factory prices. Write to-day for catalogue.  
TOPEKA SUPPLY HOUSE, 632 Quincy St., Topeka, Kansas

DO YOU KEEP BEES?  
Then learn how to make them pay by sending for our large illustrated FREE catalog for 1905, showing the latest up-to-date hives, and all other goods used by progressive bee-keepers.  
JOS. NYSEWANDER, 563-567-569 7th St., Des Moines, Iowa.

POULTRY SUPPLIES

Thanolice (lice powder).....25c  
Creo-carbo (lice killer).....50c  
Egg Maker.....25c  
Poultry Cure.....25c  
Roup Pills.....25c  
Medicated Nest Eggs.....5c  
Conkey's Roup Cure.....50c  
Buckeye Cholera Cure.....25c

O'WEN & COMPANY  
520 Kansas Ave., Topeka, Kans.

POULTRY FEEDING AND FATTENING

A handbook for poultry keepers on the standard and improved methods of feeding and marketing all kinds of poultry.  
The subject of feeding and fattening poultry is prepared largely from the side of the best practice and experience here and abroad, although the underlying science of feeding is explained as fully as needed. The subject covers all branches, including chickens, broilers, capons, turkeys and waterfowl; how to feed under various conditions and for different purposes. The whole subject of caponizing is treated in detail. A great mass of practical information and experience not readily obtainable elsewhere is given, with full and explicit directions for fattening and preparing for market. The broad scope of the book is shown in the following

TABLE OF CONTENTS  
Thrifty Growth Expert Chicken Feeding, Broiler Raising, Nutrition for Layers, Special Foods, To Finish and Dress Capons, The Art of Poultry Fattening, Lessons from Foreign Experts, American Fattening Methods, At Killing Time, Preparing for Market, Marketing Turkeys and Waterfowl, Finish and Shaping.  
Profusely illustrated, 160 pages, 5x7 1-2 inches, cloth. Price 50 cents postpaid.

Kansas Farmer Company  
Topeka, Kansas

CANCER

Cured to stay cured. My TRUE METHOD kills the deadly germ which causes Cancer. No knife! No pain! Longest established, most reliable cancer specialist. 16 years in this location. I give a WRITTEN LEGAL GUARANTEE. My fee depends on my success. Send for free 100-p. book and positive proofs  
DR. E. O. SMITH, 2836 CHERRY ST., KANSAS CITY, MO.

VARICOCELE  
SAFE, PAINLESS, PERMANENT CURE GUARANTEED  
5 years' experience. No money accepted until patient is well. CONSULTATION AND VALUABLE BOOK FREE, by mail or at office. Write to  
DR. C. M. COE, 915-B Walnut St., Kansas City, Mo.

GRAND ISLAND ROUTE

DOUBLE DAILY SERVICE, with new 80-foot Acetylene Gas-lighted Pullman Chair Cars (seats free) on night trains and Pullman High-back seat Coaches on day trains.

Direct Line between Kansas City and St. Joseph, Mo., Hiawatha, Sabetha, Seneca, Marysville, Kan.; Fairbury, Hastings and Grand Island, Neb.

QUICK TIME TO CALIFORNIA AND THE PACIFIC NORTHWEST.  
S. M. ADSIT,  
Gen'l Pass. Agent,  
St. Joseph, Mo.

BOWSER SWEEP MILLS

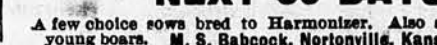
Different from all others. Grind Corn with shucks or without. Kaff r in the head and kinds small grain. 4 and 2 horse sizes. Geared 10 to 1 or 1 to 1. (Also make 7 sizes belt mills.)  
G. E. F. BOWSER CO., SOUTH BEND, IND.



**TOPEKA FOUNDRY, Topeka, Ks**

Col. J. W. Sparks, the well-known live stock auctioneer of Marshall, Mo., has added a new feather to his cap and has fixed a new price for jacks. On March 9, at Savannah, Mo., Mr. G. M. Scott held his first annual jack sale and it was a grand success in every particular. Seventeen head of jacks sold for \$1,237, an average of \$61. The top price of the sale

H. W. Buckbee, of Rockford, Ill., is well known in the country west of the Mississippi River on account of his advertisements which have appeared in Kansas Farmer every one of the past dozen years. His garden seeds, true to name, are always eagerly sought for by the many thousands who have tried them in years past.









## DUROC-JERSEY SWINE.

**D. M. TROTT** ABILENE, KAS., famous Duroc-Jerseys, Poland-Chinas.

**COUNTY SEAT HERD Duroc-Jersey Swine.**  
Geo. Briggs & Son, Clay Center, Neb.  
Young stock for sale.

Registered Stock, **DUROC-JERSEYS**, contains breeders of the leading strains.  
**N. B. SAWYER, CHERRYVALE, KANSAS.**

**DUROC-JERSEYS**—Large-boned and long-bodied kind. A fine lot of fall pigs (either sex) for sale. Prices reasonable.  
**E. S. COWE, R. F. D. 2, Scranton, Kans.**

**MAPLE AVENUE HERD**  
**Duroc-Jerseys**  
Wichita, Kansas  
Farm two miles west of city on Maple Avenue

**FAIRVIEW HERD Duroc-Jerseys**  
Now numbers 150; all head for our two sales, October 25, 1904, and January 31, 1905.  
**J. B. DAVIS, Fairview, Brown Co., Kans.**

**THE OLD RELIABLE KLONDYKE HERD.**  
For Sale—One April and four September males. Two June and eight Sept. gilts. Choice of 80 head. Prices right. Quality right. Newton Bros., Whiting, Mo.

**GOLDEN RULE STOCK FARM**  
**LEON CARTER MGR., Asherville, Kans.**  
Gift-edged Duroc-Jersey Swine.

**PEARL Duroc-Jersey Herd.**  
Write **C. W. TAYLOR, Pearl, Dickinson Co., Kans.**, for prices on Duroc-Jersey hogs. He has them. Can ship on four roads, Rock Island, Union Pacific, Santa Fe and Missouri Pacific.

**FOR SALE**  
Twelve head of pedigree Duroc-Jersey hogs, good color, weigh from 150 to 175 pounds; at farmers' prices, \$9 to \$12 each.  
**CHAS. DORR, Route 6, Osage City, Kans.**

The Famous Fancy Herd  
**DUROC JERSEY SWINE**  
A few gilts and 7 fine young boars for sale. Breed sow sale at Concordia, Feb. 21, 1905.  
**JNO. W. JONES & CO., R. F. D. 3, Delphos, Kan.**

**DUROC-JERSEY BRED SOWS**  
Fifteen choice bred sows and gilts and two young male pigs for sale. Write for prices, breeding, etc.  
**R. F. NORTON, - Clay Center, Kans.**

**DUROC-JERSEY HOGS.**  
All stock registered. Pigs for sale weighing 150 to 200 pounds, both sexes. Will have sows for early farrowing at \$20 each. Spring males and gilts, \$10 to \$15. Address  
**Mr. & Mrs. Henry Shrader, Wauweta, Kans.**

**PLAINVILLE HERD Duroc-Jerseys**  
For sale, an extra fine lot of young boars large enough for service. Bronze turkeys, Barred Plymouth Rocks and Brown Leghorn chickens for sale.  
**J. M. YOUNG, Plainville, Kans.**

**DUROC-JERSEYS**  
A few Gold Dust gilts of the big-boned, hardy variety, and out of large litters bred for April farrow.  
**BUCHANAN STOCK FARM, Sedalia, Mo.**

**Wheatland Farm Herd Duroc-Jerseys**  
For Sale—At reasonable prices, some fine October pigs, male and female; also some tried sows, bred and open. Our yearling herd boar, Wheatland Dandy 23905, sire Nathan 6397, dam Lincoln Lass 32792, will also be sold.  
**GEO. G. WILEY & SON, South Haven, Kans.**

**Rockdale Herd Duroc-Jerseys**  
All reserved for bred sow sale Feb. 20, 1905. 40 head of tried sows, fall yearlings and spring gilts, the tops of my herd. Remember the date.  
**J. F. Chandler, Frankfort, Kansas.**

**MINNEOLA HERD Duroc-Jersey Swine**  
Prince 17799 and Red Rover 27685 at head of herd. Young boars and bred and open gilts for sale.  
**L. A. KEELER, Route 7, Ottawa, Kans.**  
Phone 891 G.

**Rose Lawn Herd Duroc-Jerseys**  
Now offering males only. Bred sows and gilts reserved for Feb. 22, 1905 sale. Visitors welcome and prices right. Can ship on Santa Fe, Mo. Pacific and Rock Island railroads.  
**L. L. Vrooman, Hope, Dickinson Co., Kans.**

## POLAND-CHINA SWINE.

**FOR SALE Poland-China Hogs, Holstein-Friesian Cattle**, either sex. Best strains represented. **H. N. HOLDEMAN, Rural Route No. 2, Girard, Kansas.**

**MAPLE VALLEY STOCK FARM**  
Pure-bred Poland-Chinas from leading strains. Visitors welcome and correspondence solicited. Satisfaction guaranteed. **C. P. Brown, R. 2, Whiting, Ks.**

**Elm Grove Stock Farm Poland-Chinas.**  
Woodbury 33838, Highroller 33839 and Perfection's Profit 33233 at head. Sows of the most popular strains. Visitors always welcome.  
**F. A. DAWLEY, Waldo, Kans.**

**Kansas Herd of Poland-Chinas.**  
Has fifteen Sunshin blue gilts bred to a son of Mischief Maker, and some sows carrying their second litter and some good boars. Also White Rose Comb Leghorn eggs.  
**F. P. MAGUIRE, Hutchinson, Kansas.**

**HIGHLAND FARM HERD OF PEDIGREED POLAND-CHINAS**

Twenty serviceable boars at special prices for next 30 days, sired by Black Perfection 37132, Silk Perfection 32804, Perfection Now 32580, and Ideal Perfection. They are lengthy and good-boned pigs, with plenty of finish. Write me description of what you want and I will guarantee satisfaction.  
**JOHN BOLLIN, Route 5, Leavenworth, Kans.**

## POLAND-CHINA SWINE.

## POLAND-CHINAS

For Sale—June gilts, sired by Corwin's Model. This stock is first class. Weight from 150 to 200 pounds. Prices quoted on application.  
**Dave Stratton, Route 1, Walton, Kans.**

**Pecan Herd of Poland-Chinas**  
Model Tecumseh 64188, American Royal (S) 80788, and Best Perfection 81507 at head of herd. Write us your wants.  
**J. N. Woods & Son, Route 1, Ottawa, Kans.**

## DIRGO BREEDING FARM

**J. R. Roberts, Proprietor, Deer Creek, Okla.**  
Breeder of Poland-Chinas of the leading strains. Stock of all kinds for sale at all times. Satisfaction guaranteed. Write us and we will tell you what we have.

## Main's Herd of Poland-Chinas

Empire Chief 30379, heading champion herd and winner in class at Iowa and Nebraska State Fairs. He is of great size and finish. Sire Chief Tecumseh 3d and out of Columbia 2d. The combination that produced so many State fair champions. A grand lot of sows bred to him; and summer bears for sale at reduced rates. Try me for quality and prices.

**JAMES MAINS, Oskaloosa, Jefferson Co., Kan.**

## ROME PARK POLAND-CHINAS and BERKSHIRES.

I have about twenty boars ready for use and twenty-five sows bred, and some unbred, and a large number of good pigs, both breeds.

**T. A. HUBBARD, (County Treasurer Office.) Wellington, Kans.**

**GUS AARON'S POLAND-CHINAS**  
Route 5, Leavenworth, Kans.

Choice young boars of April and May farrow sired by Beauty's Extension, for sale. Also bred sows and gilts, all with good colors, bone, fancy head and ears. The head boar, Beauty's Extension 27966, for sale. Some snaps here. Visitors welcome. Mention Kansas Farmer and write for prices.

**Big-Boned, Lengthy Poland-Chinas**

I have for sale two herd boars, one sired by the great Missouri's Black Perfection, the other by Perfection Chief; they are extra good. Also 25 large, big-boned, growthy spring boars and about the same number of gilts. My specialty is to breed the kind that is the most profitable.

**E. E. WAIT, Altoona, Wilson Co., Kans.**

**CLEAR-CREEK HERD OF POLAND-CHINAS**

For Sale, at bargain prices, from now till January 1, 1905, four boars ready for service, sired by Sherman's Corrector, a half brother to Corrector 2d, the reserve champion at the St. Louis Expo 1904, and out of up-to-date bred sows. Also a bunch of boars equally as well bred, sired by six good herd boars, and out of matured sows.

**E. P. SHERMAN, Wilder, - Kansas**

## CHESTER WHITE SWINE.

**D. L. BUTTON, Elmort, Shawnee Co., Kan.**  
Bred and Improved Chester-White swine. Young stock for sale.

**O. I. C. SWINE**

Have for sale a few choice boars of serviceable age; booking orders now for spring pigs. Write for prices. Satisfaction guaranteed.

**S. W. ARTZ, - LARNED, KANSAS**

**High Point Stock Farm**

I have choice O. I. C. and Duroc-Jersey males. Also bred O. I. C. and Duroc-Jersey gilts for sale. B. P. Rock cockerels and eggs in season. Write or come and see

**J. R. EBERT,**

**Route 3, Hunnewell, Kans.**

**Wyandotte County Herd**

**O. I. C. SWINE**

Breeders of the prize-winners and champions at the American Royal, and of many winners at St. Louis. We now have a number of choice bred and open gilts, all growthy with plenty of bone and weight and in perfect condition. Very attractive prices on these choice animals.

**ALVEY BROS., Argentine, Kans.**

## THE CRESCENT HERD

**O. I. C. The World's Best Swine.**

200 pedigree hogs, both sexes, all ages. Pairs or trios mated not akin. Bred for size and finish. Nothing but the best offered. We are now booking orders for bred sows. Describe build of hog wanted. Thoroughbred Poultry—W. and B. P. Rocks, W. and G. Wyandottes, and B. Langshans. Stock for sale. Correspondence solicited and satisfaction guaranteed.

**John W. Rest & Co., Central City, Neb.**

## CHESTER WHITE SWINE.

## O. I. C. HOGS



**A. G. McQUIDDY,**

501 East South Fourth Street, Newton, Kans.  
Handles the great George Washington breed from the famous Silver Herd of Cleveland, Ohio. For particulars and prices write to the above address.

## Peach Grove Herd

OF PURE-BRED

**O. I. C. SWINE**

Choice stock for sale. Prices reasonable. Come and see them or write to

**H. T. GARTH, Larned, Ks**

## O. I. C. HOGS.

**300 Beauties, all ages.**

We take the lead, others follow. We were the first western breeders to take up the O. I. C.'s, consequently have advanced our herd to a place above all others. We have spared neither time nor money in perfecting this breed. Write your wants and we will be pleased to give you information.

**Scotch Collie Dogs.**  
**No Pups for Sale.**

Brandane Noble, Cragmore Wonder, Laddie McGregor, at stud. Write for terms. We assure you we can please you. We are selling more Collies than any firm in America. We guarantee satisfaction.

**WALNUT GROVE FARM, Emporia, Ks.**  
**H. D. NUTTING, Proprietor.**

## BERKSHIRE SWINE.

## CEDAR LAWN BERKSHIRES

My sows are sired by Elma's Prince 64778, and Berryton Duke 72946. Boar at head of herd, Jurista Topper 76277. **Wm. McADAM, Netawaka, Kan.**

## BERKSHIRES

From the best breeding that can be had, for sale at all times. Male and female, bred and open. Prices and breeding that will suit you.

**J. P. SANDS & SONS, Walton, Kans.**

**Ridgeview Berkshires**

Are all O. K. in breeding and quality. One yearling boar and four boars, April farrow, for sale, besides fall pigs.

**MANWARING BROS.,**  
Route 1, Lawrence, Kans.

**WHITE HOUSE HERD BERKSHIRES.**

**GEO. W. EVANS, Prop. MERRIAM, KANS.**  
**W. S. ROWE, Manager Rural Route.**

For Sale or Trade.—Fine Herd Boar, Enterprise Victor II, 75302. Good chance to get tested and proved herd boar cheap.

**SUTTON'S BERKSHIRES**

**Imported Blood**

20 extra choice Boars, 100 to 150 pounds.  
40 extra choice Gilts, 100 to 150 pounds.

Fancy heads, strong bone and all-around good ones. Bargains at \$15 to \$25 to close quick.

**CHAS. E. SUTTON, Russell, Kans.**

**BERKSHIRES**

I have purchased the great S. B. Wright herd, of California—are of the best in America, and the best sows and boars I could find in Canada, and have some fine young boars by several different herd boars. Can furnish fresh blood of high quality.

Eight pure Collie pups, cheap.

**E. D. KING, Burlington, Kans.**

## KNOLLWOOD

**BERKSHIRES**

Pacific Duke 56691, the 1,000 pound champion show and breeding boar from herd of S. B. Wright, Santa Rosa, Cal., bred by N. H. Gentry; Model Princess 60134, by Halle 60125, sweepstakes Pan-American sow; Stumpy Lady 63409 by Combination 58028, sweepstakes Kansas City and Chicago 1902. Lee's Model Princess 62514, the \$180 daughter of Governor Lee 47971; Lady Lee 99th 65635, the \$160 daughter of Lord Premier 50001, and other "Blue-Bloods." Sows bred to 3-grand boars and young stock for sale.

**E. W. MELVILLE, Eudora, Kans**

## TAMWORTH SWINE.

**TAMWORTHS**

Ready for sale, consisting of 50 fall and spring gilts, that can be bred to any one of the three different herd boars, Mark Hanns, Red Stock Jolly, and a fine herd boar from Illinois. Also 40 young boars for sale for spring farrow.

**C. W. FREELove,**  
Clyde, Kansas.

When writing advertisers please mention the Kansas Farmer.

## SHORTHORN CATTLE.

**Plainville Shorthorn Herd**

Headed by Prince Lucifer 188685

A pure Scotch bull.

Stock for sale at all times.

**N. F. Shaw, Plainville, Rooks Co., Kans.**

## ROCKY HILL HERD

**SHORTHORN CATTLE.**

**J. F. True & Son, Perry, Kans.**

**D. P. NORTON'S SHORTHORNS.**

Dunlap, Morris County, Kansas.

Breeder of Pure-bred Shorthorn Cattle.

Herd bull, Imported British Lion 183692. Bull and heifer calves at \$50.

## Meadow Brook Shorthorns

Ten fine young bulls for sale—all red. Red Laird, by Laird of Linwood, at head of herd.

**F. C. KINGSLEY,**

Dover, Shawnee County, Kansas.

## PEARL SHORTHORN HERD.

Thirty young bulls to select from. Get prices and description. Sired by Baron Ury 24 124970, Sunflower's Boy 127887 and Bold Knight 179054.

**C. W. TAYLOR, Pearl, Dickinson Co., Kans.**

**MAPLE GROVE SHORTHORN HERD**

**BANKER No. 129324**

**CRUICKSHANK HERD BULL.**

Sissy 849 of Vol. 40, Rose of Sharon blood, Norwood Barrington Duchess 654 Vol. 60, Bates blood. Pure-bred unregistered bulls for sale.

**OSCAR DUEHN, Clements, Kans.**

**Shorthorn Cattle.**

For immediate sale, 12 bulls ready for service and 12 bull calves. Also 20

cows and heifers, 1 to 7 years old.

Give me a call, or address

**H. R. LITTLE, - - HOPE, KANS.**

**Silver Creek Shorthorns**

The imported Missie bull, Aylesbury Duke 159763 and the Cruickshank bull, Lord Thistle 129960, in service. A few bred yearling heifers by Imp. Aylesbury Duke are now offered for sale. These heifers are in calf to my Cruickshank bull, Lord Thistle.

**J. F. STODDER,**

**BURDEN, COWLEY COUNTY, KANS.**

## \* GLENWOOD HERDS

**Shorthorns and Poland-Chinas**

Grand array of Scotch herd bulls. Victor of Wildwood 128054, Prince Pavonia 216307, Happy Knight by Gallant Knight 124488, and Charm Bearer. Good bulls and females always for sale. Show material. Visitors welcome.

**C. S. NEVIUS, Chiles, Miami Co., Kans.**

Forty miles south of Kansas City.

**ALYSDALE HERD SHORTHORNS**

Headed by the great Cruickshank bull Prince Consort 187008, sired by Imported Prince of Perth 163879, and out of own sister of Lavender Viscount 124755. For Sale—Registered young bulls, at very reasonable prices; ready for service; sired by Lord Mayor 112727, and Golden Day 187219, from fine Scotch-topped dams.

**C. W. MERRIAM,**

**Columbian Bldg., - Topeka, Kans.**

**Valley Grove Shorthorn**

A carlot of young bulls sired by Lord Mayor Golden Day and two by Knight's Valentine. For sale at reduced prices. Come and see them or write to

**T. P. BABST & SONS, Auburn, Kans.**  
Telegraph Station Valencia, Kans.

**Harmony's Knight 218509**

By the \$1,000 Knight's Valentine 157770 a pure Scotch bull of the Bloom tribe, now heads my herd. Seven extra good 1 and 2-year-old bulls, sired by an American Royal winner, for sale; also carload of cows and heifers in good flesh and at reasonable prices. Come and see them.

**A. M. ASHCRAFT, Atchison, Kan.**

## —THE—

**N. MANROSE**

**SHORTHORNS**

**Rural Route 5, Ottawa, Kans.**

Glitspar's Knight 171591 at head of herd. Young bulls ready for service for sale.

**Elder Lawn Herd**

**SHORTHORNS**

**J. T. K. TOMSON & SONS, Dover, Shawnee Co., Kans.**

Bulls in service: GALLANT KNIGHT 124468 and DICTATOR 182624.

For Sale—Serviceable Bulls and Bred Cows. Prices reasonable and quality good. Come and see us.



HEREFORD CATTLE.

**VERMILION HEREFORD CO.,**  
VERMILION, KANSAS.  
Boatman 56011 and Lord Albert 131557 head of herd  
Choice young stock of both sexes for sale.  
**E. E. Woodman, Vermilion, Kans.**

**Hazford Place Herefords**

Herd Bulls: Printer 66684 and the American Royal  
prize-winner, Protocol 24 91715 and Imported Mon-  
arch 142149. Visitors always welcome.  
**ROBERT H. HAZLETT,**  
Eldorado, Kans.

**PLEASANT HILL  
STOCK FARM**

Registered Hereford cattle. Major Beau Real  
71621 at head of herd. Choice young bulls, also heif-  
ers by Lord Evergreen 95651 in calf to Orto 132856 for  
sale. Bronze turkey and Barred Plymouth Rock  
eggs for sale.  
**JOSEPH CONDELL,**  
Eldorado, Kansas.

**Evergreen Farm.**

Hereford Bulls, dif-  
ferent ages, all reg-  
istered, for ready  
sale. Address,

**PEARL I. GILL.**  
Route 1 Hudson, Kansas.

**SOLDIER CREEK HERDS OF**

Herefords, Shorthorns, Polled Shorthorns  
Service Bulls—Herefords: Columbus 17th 91364,  
Columbus Bodybody 141866, Jack Hayes 2d 119761  
Shorthorns: Orange Dudding 149469. Polled Short-  
horns: Scotch Emperor 133646, Crowder 204815  
Herd consist of 500 head of the various fashion-  
able families. Can suit any buyer. Visitors welcome  
except Sundays. Address  
**Joseph Pelton, Mgr., Belvidere, Kiowa Co., Ks.**

**HEREFORDS**

A few superior young bulls  
now ready for service. Herd  
headed by Elegant 111212 and  
Archer 124786.

**BUCHANAN STOCK FARM**  
Sedalia, Mo.

GALLOWAY CATTLE.

**CAPITAL VIEW HERD  
of Registered Galloways**

18 very choice young bulls  
of the beefy type for sale at  
prices that any farmer can af-  
ford to own a bull of the best  
beef type. Investigate.  
**G. E. CLARK,**  
2301 Van Buren, Topeka, Kans

**Galloway Cattle  
For Sale**

Twenty yearlings and four 2-year-old  
Galloway bulls for ready sale. Also forty  
registered Galloway cows and heifers.  
I will also sell thirty head of 4-year-old  
horses, mares and geldings, high-grade  
Percherons and Cleveland Bays. Call or  
address **DEAN BARTLETT, St. Marys, Kans.**

**C. N. MOODY,**  
Breeder of.....

**Galloway Cattle**  
ATLANTA, MISSOURI.

**Females of all  
Ages for Sale**  
Will make specia  
prices on car-load of  
yearlings and car-load  
of 2-year-old bulls.

WRITE YOUR WANTS

ABERDEEN-ANGUS CATTLE.

**Aberdeen-Angus Cattle  
and Percheron Horses**  
A special offer of a few fine young bulls, coming  
two. They are snaps. Also a yearling Percheron  
stallion and a 6-year black jack for sale or exchange  
for registered Angus females.  
**GARRET HURST, Peck, Kans.**

**16 Aberdeen-Angus 16**

Cows and heifers for sale, some with  
calves at side, others fresh soon.  
These are high-grade cows and heifers  
and bred to registered bull. Also a  
yearling bull for sale. For particu-  
lars write

**T. B. SNAVELY, Peabody, Kans.**

ABERDEEN-ANGUS CATTLE.

**GOOD ANGUS BULLS!**

Choice yearlings, 2 and 3-year-old registered bulls  
at very low prices—sons or grand-sons of Nell of  
Lakeside 26646. Also 15 bulls and 15 heifers, 6 months  
and over. Will sell worth the money. Write or  
come and see.

**GEO. DRUMMOND, Elmdale, Chase Co., Kansas.**

**HILLSIDE OAKS HERD  
Aberdeen-Angus Cattle**

Tosco of Oak Hill at Head of Herd.  
Young bulls ready for service. Queen Mother,  
Favorite, and Gratitude families. Some choice  
2-year-old Queen Mother bulls, at attractive prices.

**G. E. AVERY, Route 2, RILEY, KANSAS**  
Long distance phone. Railroad station, Milford

**Garden City Herd of  
Polled Angus**

Offers for sale at private treaty its grand 5-year-old  
herd bull, LILLIANO 37867; one 2-year-old bull  
weighing 1,300 pounds; four yearling bulls weighing  
1,200 each; twelve calf bulls weighing 800 to 900 each.  
Call on or address  
**GEO. H. MACK & CO., Garden City, Kans**

**ABERDEEN-ANGUS CATTLE FOR SALE.**  
A long string of fine registered yearling and 2-year-  
old Aberdeen-Angus bulls at reasonable prices from  
Allendale herd, the oldest and largest in the United  
States; also females on hand at all times for sale at  
living prices. Fine imported bulls from best herds  
in Scotland have been at head of this herd for many  
years. Over 300 registered cattle in herd.  
Inspect herd on Allendale Farm, 7 miles from  
Iola and 2 miles from La Harpe on Southern Kansas,  
Missouri Pacific and M. K. T. Rys., Allen County,  
Kansas.  
Address Thomas J. Anderson, Mgr., Gas,  
Allen Co., Kansas; or Proprietors, Anderson &  
Findlay, Lake Forest, Ill.

**THE SUNFLOWER HERD PURE-BRED  
Angus Cattle**

Herd headed by HALE LAD  
30646. Herd numbers 250 head,  
the largest herd bred by owner  
in America. Stock for sale  
Address  
**PARRISH & MILLER,**  
Hudson, Route 1, Stafford Co., Kas

HORSES AND MULES.

**JACKS!** Missouri, Ken-  
tucky and Tennes-  
see bred. Regis-  
tered Studs by Walnut Boy  
21114. Everything for sale low  
now, as I am changing my  
business.  
**G. A. FEWEL,**  
Leeton, Johnson County, Mo.

**PERCHERON STALLIONS**

A few choice young stallions of the very best con-  
formation and breeding, three of which are sired by  
Continental 28800, by St. Hilaire 4159 (2872), dam by  
Voltaire 3540 (2963), which M. H. Dunham, claimed  
he paid more money for than was ever paid for a  
draft horse in France. Prices within reach of all.  
Write,  
**G. E. CLARK,**  
2301 Van Buren St., Topeka, Kansas

**FOR SALE**

**Two Extra Good Black Jacks**

One 15 hands high, weight 850 pounds. One 16  
hands, weight 1,200 pounds. I also have swine and  
standard-bred horses for sale. For particulars and  
prices write

**L. C. WYMER, Peabody, Kans.**

**Do You Want to Buy a Jack?**

If so, I have some extra good ones to sell, of the  
best strains of breeding in Missouri. Good breeders,  
large, black, with light points, priced right. Write  
me what you want. Address,

**WALTER WARREN, Veterinarian,**  
Windsor, Mo.

**I HAVE 30 HEAD OF JACKS**

from coming 3 years old to 7 years  
old, 14½ to 16½ hands high, black  
good bone and body. Also 45 head of  
jennets, are dams of some high price  
jacks. I have 6 head of draft stallions.  
Price reasonable and also stock guar-  
anteed as represented.

**Philip Walker, Moline, Elk Co., Ks**

**PERCHERON HORSES  
AND SHORTHORN CATTLE**

A fine lot of Imported and home bred  
stallions for sale. Also a few  
good young jacks. Pedigree  
and breeding of all stock  
guaranteed.

**O. L. THISLER,**  
Chapman, - Kansas

LIVE STOCK AUCTIONEERS.



**JAS. W. SPARKS,**  
Live Stock Auctioneer  
Marshall Mo.

**TWELVE YEARS** successfully selling all breeds  
of pure-bred live stock at auction.

Posted on pedigrees and values of all breeds.

**MY REFERENCE IS THE BEST BREEDERS** in  
nineteen states and territories for whom I have made  
many successful sales of all breeds of pure-bred live  
stock.

**WITH THIS EXPERIENCE** my terms for the best  
and most experienced service are very reasonable.

Write or wire me before fixing your sale date.



**R. L. HARRIMAN**

Live Stock Auctioneer  
Bunceton, Mo.

Twenty years a successful breeder, ex-  
hibitor, and judge of live stock.

Ten years' experience on the auction  
block selling successfully for the best  
breeders in fifteen States and Territories.

The records show that I am the  
**MONEY-GETTER.**

Posted on pedigrees and values of all breeds. Terms  
are reasonable. Write early for dates.



**L. R. BRADY,**  
Live Stock  
Auctioneer  
Manhattan, Kans.

sale tent furnished at cost of handling when I  
am employed on sales. Have all herd books. Cata-  
logues compiled. A Kansas auctioneer for Kansas  
sales. Satisfaction guaranteed—Terms reasonable.

**Z. S. Branson,**  
Live Stock Auctioneer  
Lincoln, Neb.

Thorough knowledge of breeds, bloods and  
values. Terms reasonable. Inqui-  
ries cheerfully answered.

**LAFÉ BURGER,**  
LIVE STOCK AUCTIONEER  
Wellington, Kans.

Five years of successful selling  
for some of the best breeders in  
the United States. Posted on pedi-  
grees and values. Entire time  
given to the business. Write or  
wire for dates.

RED POLLED CATTLE.

**ENGLISH RED POLLED CATTLE**—Pure-bred  
Young Stock For Sale. Your orders solicited.  
Address **L. K. HAZELTINE, Route 7, Springfield,**  
Mo. Mention this paper when writing.

**COBURN HERD OF RED POLLED CATTLE.**  
Herd now numbers 115 head. Young bulls for sale.  
**GEO. GROENMILLER & SON,**  
Route 1, POMONA, KANSAS

**RED POLLED CATTLE AND  
POLAND-CHINA SWINE.**  
Best of breeding. Write or come and see  
**CHAS. MORRISON, Route 2, Phillipsburg, Kas.**

**Boulah Land Herd  
RED POLLED CATTLE**  
Imported Linwood Lad 9492-K25, at head of herd.  
Nine prizes at World's Fair, including third on aged  
herd. Poland-China hogs. Stock for sale.  
**WILKIE BLAIR, ROUTE 1, GIRARD, KANS.**

**RED POLLED CATTLE**  
Of the choicest strains and Good Individuals.  
Young Animals, either sex, for sale. Also breeders of  
**PERCHERON HORSES AND  
PLYMOUTH ROCK CHICKENS.**  
Address **S. C. BARTLETT, Route 5,**  
**WELLINGTON, KANS.**

SHEEP.

**ELMONT HERD  
SHROPSHIRE SHEEP.**

Herd headed by Huntsman 15655 and Marshall  
17621. Choice young bucks ready for service, for  
sale, also extra good spring ram lambs. All registered

**JOHN D. MARSHALL,**  
Walton, - Kansas.

LIVE STOCK AUCTIONEERS.

**CAREY M. JONES,**  
Live Stock Auctioneer  
DAVENPORT, IOWA. Have an extended acquain-  
tance among stock-breeders. Terms reasonable.  
Write before claiming date. Office, Hotel Downs.

**J. A. MARSHALL,**  
Live Stock Auctioneer  
Gardner, Kansas  
Have an extensive acquaintance among breeder  
Terms reasonable. Write or telephone before fixing  
dates.

**JOHN DAUM,**  
Live Stock Auctioneer  
NORTONVILLE, KANS.  
Fine stock a specialty. Large acquaintance among  
stock-breeders. Sales made anywhere. Working  
and booked for best breeders in the State. Write or  
wire for dates.

**GEO. P. BELLOWES,**  
LIVE STOCK AUCTIONEER,  
MARYVILLE, MO.  
Satisfaction guaranteed—Terms reasonable.

**BERT FISHER,**  
Live Stock Auctioneer  
119 W. Norris St., North Topeka, Kans.

Thoroughly posted on pedigrees. Ten years' ex-  
perience. Satisfaction guaranteed. Write or wire  
for prices and dates.  
Free sale tent at cost of handling only when I am  
employed. Ind. Phone 25. Bell Phone 22.

When writing advertisers please men-  
tion the Kansas Farmer.

"FOLLOW THE FLAG"



**WABASH**

With its Own Rails From]

**KANSAS CITY**

—TO—

**St. Louis, Detroit, Toledo,  
Pittsburg and Buffalo.**

Makes the Best Time, with Best  
Accommodations.

Train No. 8 saves a day to New York

**L. S. McCLELLAN,**  
Western Pass. Agent.  
903 Main St., Kansas City, Mo.

**Asthma**  
Cured to Stay Cured

Attacks stopped permanently. Cause removed.  
Breathing organs and nervous system restored.  
Symptoms never return. No medicines needed after-  
ward. 21 years success treating Asthma and Hay  
Fever. 55,000 patients. Book L Free. Very  
interesting.  
Write **P. HAROLD HAYES, Buffalo, N. Y.**



## HORSES.

**Percheron Horses**

HENRY AVERY &amp; SON, Wakefield, Kans.

**ROBISON'S PERCHERONS**

For sale now. Ten choice young black stallions, sound and registered. Choice for \$500. Will pay freight for next thirty days. No mares for sale. Don't write but come. These prices are made to move them as we must have room for new crop colts.

**J. W. & J. C. ROBISON,**  
Towanda, Kans.

**CHEYENNE VALLEY STOCK FARM****Percheron Stallions and Bred Mares**

FOR SALE at reduced prices for quick sale. Won 38 prizes out of 39 competed for in 1902-'03, and 28 prizes in leading Kansas and Oklahoma fairs for 1904.

Write me for prices.

**F. H. SCHREPEL,**  
Ellinwood, Barton Co., Kansas.

**Pine Ridge Stock Farm**

The Biggest and Best Horse Barn in  
the United States, and the Big-  
gest and Best

**Percheron and French Draft Horses****SAMSON AT HEAD OF HERD.**

(Percheron 27238 and French Draft 6866.)

He weighs 2,464 pounds, with more bone and quality than can be found in any other one horse in the United States. We can show more bone, size and quality than any other one firm in the country. Prices below competition. Call on or address

**L. M. HARTLEY, - Salem, Iowa**

# America's Leading Horse Importers



We have brought to this country nearly every first, second, third and fourth prize winner in every Percheron stallion class in every Government show held in France since the Paris Exposition 1900.

Our horses won every first and nearly every prize down to fifth at the St. Louis World's Fair.

On account of bringing the best our trade is increasing so that we bring the largest number. We made five importations in 1904, bringing more Percherons and French Coaches than have been imported by all others combined.

If you want the best write

**McLAUGHLIN BROS.,**

Columbus, O. Kansas City, Mo. St. Paul, Minn.

## HORSES.

**Iams' Stallions**

Cheer up! Iams' roses are blooming. These are his "sweepstakes" stallions (over all). The kind he sells at \$1000-\$1400 (a few higher.) Iams' barns are "full to the roof" with "topnotchers" and Iams has on his "selling clothes" every day (always @ home).

Get busy, Lawson! "Get next to Iams" the "big horseman." He owns and sells more 1st class stallions than any man in U.S. He is "stirring up the animals." He has "competitors" "out on the roof" watching him sell "topnotchers" at 50 cts on the dollar. Iams hypnotizes his buyers with 1st class young, sound, big "Percherons and Cream" stallions at "let live prices." (He don't wish the earth and your whole family for one stallion.) "Frenzied Finance is a 'warm bunch'" but it's "a 1000 to 1" if you visit Iams and will pay cash or give bankable note you will positively buy a stallion of him and save \$1000. Iams sells stallions "on honor." Must be as represented. Iams has

**104 BLACK PERCHERONS, BELGIANS AND COACHERS 104**

2 to 6 years old, wt. 1700 to 2800 lbs. 90 per cent blacks, 50 per cent ton horses. All registered, approved stamped (stallions that you can make \$1000 service fees in one yr.) \$1000-\$1400 buys "sensational stallions" of Iams. Better than one your neighbors paid \$4000 for. It's a "clinch" that Iams will save you \$1000 and sell you a "money-maker."

Farmer Ike! What a "rich graft" these "gold brick stallion salesmen" are working on the "honest farmer." Selling 4th rate stallions @ \$2000 to \$5000—with worthless guarantee. Iams, the reliable importer and breeder, sells "topnotchers" so good, big and cheap that they don't need to be "peddled" to be sold. Iams sells direct to "users" at his home barns, saves buyers all commissions and "middleman's" profits.

**\$1000 SAVED AT IAM'S \$1000**

Gee whiz, Teddy—Iams "makes good" every statement in add. or catalog—Guarantees stallions as good or better than pictures in catalog—or pays you \$100 for trouble to see stallions. Iams is a "born horseman" (one not made to order). The

**HOME OF THE WINNERS**

Is noted for "sensational" winners—Iams buys prize-winners in Europe. He owns every 1st, 2d and sweepstakes winner in all ages at 1904 State Fair, in Percherons, Belgians, Coachers. Iams has a "sensational" "tallion show" daily. He shipped 100 stallions by "special train" 1904—the "wide-as-a-wagon kied." Mr. Stallion Buyer: "But in." See Iams' stallions yourself. Take no "gold brick stallion salesman's word." Look out for "knockers." Iams has "the goods" you read about. (His establishment is worth going 2000 miles to see.) Iams makes competitors "holer." He is knocking "high prices" out of the "Xmas tree" on 1st class stallions. Iams saws wood, "Butts is," sells more stallions each year. George, dear, be good, buy a stallion of Iams; his \$1200 stallions are much better than one our neighbors paid those Ohio men \$4000 for. (Then I can wear diamonds.) Iams speaks the languages, buys direct from breeders, pays no buyers, salesmen, or interpreters; he's no 2 to 10 men as partners to divide profits with. His 23 years of successful business makes him a safe man to do business with. Iams guarantees to sell a better stallion @ \$1000-\$1400 than are sold to Stock Co.'s for \$2500 to \$5000 by "slick salesmen" or pay you \$100 for trouble, you the judge. Iams pays horse's freight, buyers' fare, gives 50 per cent breeding guarantee. Write for "eye-opener"—greatest catalog on earth.

References: St. Paul State Bank, Citizens National Bank.

# FRANK IAM'S,

## St. Paul, Nebraska.

# The Lincoln Importing Horse Co.,

## LINCOLN, NEB.



The OLDEST AND LARGEST IMPORTERS of First-Class Stallions in the West. We absolutely defy competition in quality and price and don't you forget it. Don't fail to see our stallions before you purchase. Remember, we have

**Percherons, English Shires  
Belgians and German Coachers.**

Our last importation arrived on the 9th of October. They are now thoroughly acclimated and in excellent condition, not hog fat, but in good breeding flesh.

Come and See Us Before You  
Purchase. Remember, We  
Pay Buyer's Railroad Fare.

**A. L. SULLIVAN,**

Secretary and Manager.

When you arrive in Lincoln, inquire for  
SULLIVAN'S BARN. Take the State Farm  
street car, which runs direct to the barns.

**PERCHERON and SHIRE STALLIONS**

When you go to buy a horse, stop at Lincoln, Nebraska, and see Watson, Woods Bros. & Kelley's Percherons and Shires. Fifty head on hand. Send for beautiful photographs of latest importation and price list. These are free to all who mention Kansas Farmer. Address

**WATSON, WOODS BROS. & KELLEY, Lincoln, Neb.**

# Farmers and Breeders!

## We Will Insure Your Hogs Against Death by Cholera

And other malignant blood diseases. Don't waste time and money experimenting with cheap stock food. Use a medicine prepared especially for the hog. Twenty years' test without a failure. We run all risk and in case THE GERMAN SWINE POWDER fails to eradicate the disease from your herd, we refund your money. The greatest conditioner and growth-promoter ever discovered, and the biggest money-maker for hog-raisers known. Prices: 100 lbs., \$25; 25 lbs., \$7; 10 lbs., \$3; 5 lbs., \$1.75; 2 1/2 lbs., \$1. Send for our Treatise on Swine—it's free. Make all checks and drafts payable to

**LON ELLER, Manager and Proprietor of  
The German Swine and Poultry Merchandise Co., Topeka, Kans.**



HORSES.

IF YOUR COUNTY NEEDS AN  
Imported German Coach,  
Percheron or Belgian Stallion

WRITE TO US

Liberal Terms to  
Responsible Buyers

All Stallions  
Guaranteed  
Sure Breeders



Largest Importers  
in the U. S. of the  
Three Breeds

Our 1905 Importa-  
tion is in our Sta-  
bles at this time

J. CROUCH & SON,

Sedalia, Mo. : Lafayette Ind. : San Jose, Cal. : London, Canada

## COMBINATION SALE

Rice County Improved Stock  
Breeders' Association. . . .

LYONS, KANSAS, March 30, 1905.

25 registered Shorthorn bulls at serviceable age.	15 bred Poland- China sows. 5 Duroc - Jersey boars---large lengthy fellows.	10 registered Percheron stal- lions. 3 grade stallions 3 driving teams.
--	---	---

Two registered Hereford cows, calves by side; also two Galloway  
bulls—not registered. Send for catalog to

E. H. LEES, SEC., LYONS, KANSAS.

Send bids to I. D. Graham, care secretary.

COL. LAPE BURGER,  
COL. W. H. HOPKINS, } Auctioneers.  
COL. E. E. POTTER,

TO  
Oregon or Washington

VIA

UNION PACIFIC

EVERY DAY

March 1 to May 15, 1905

**\$25.00**

SHORT LINE. FAST TRAINS. NO DELAYS

Be Sure Your Ticket Reads Over This Line.

Inquire Nearest Union Pacific Agent

## Kansas City Spring Show and Sale

Of Breeding Cattle  
Of the Beef Breeds

At the Fine Stock Sale Pavilion, Kansas City  
Stock Yards,

Kansas City, Mo., April 11-14, 1905

One day devoted to each breed—Shows in  
the forenoon, sales in the afternoon.

Galloways will be shown and sold Apr. 11.

Shorthorns will be shown and sold Apr. 12.

Aberdeen-Angus will be shown and sold Apr. 13.

Herefords will be shown and sold Apr. 14

\$1,560 in Cash Prizes will be distributed and splendid representatives of  
the various breeds are being catalogued from the herds of some of the  
most reputable breeders of America. It is the sale event of the season  
at Kansas City, and breeders, farmers, ranchmen, and stockmen general-  
ly, will find it to their advantage to be present. The show feature is in-  
structive and attractive and as the prize money is donated by the man-  
agement, there is no charge for admission. All are invited. Separate  
catalogues of each breed sent on application to

W. C. McGAVOCK, Mgr., Springfield, Ill.

Auctioneers: Cols. R. E. Edmonson, Geo. P. Bellows, R. L. Harriman and James W. Sparks.

## POLAND-CHINA COMBINATION SALE

At Beloit, Kans., Apr. 8, 1905

50 Sows, Boars, Gilts 50

Consignments by W. A. Davidson and E. E. Vernon, Simpson, Kans.; W. E.  
Bromley and Geo. Morehead, Glen Elder, Kans.; W. A. Prewett and J. H. Ped-  
en, Asherville, Kans., and others.

A good offering of selected individuals from good herds.  
LAST CHANCE to get a bred sow, open gilt or young boar at public sale  
this spring. See field notes. Write for catalogue.

W. A. PRUETT, Mgr., Asherville, Kans.

Cols. John Brennan, Esbon, and C. P. Smith, Beloit, Auctioneers.

Send bids to L. D. Arnold, care W. A. Prewett.

## MAPLE GROVE PERCHERONS

Forty to fifty stallions and mares, winners at the World's  
Fair and offspring of stock sold at Omaha last year. Consid-  
ered by horsemen the best stock of horses west of the Missouri  
River. Also a few good grades. I am closing out at bargain  
prices. Write, or better come and see them.

MARK M. COAD, Fremont, Neb.



## Protected by Block Signals

The first railway in America to adopt the absolute Block System in the operation of all trains was the

## Chicago, Milwaukee & St. Paul Railway

It to-day has more miles of road operated under block signal rule than any other railway company. The St. Paul Road was the first railway to light its trains by electricity, and now has more than 400 electric-lighted passenger cars in daily service. This is a considerably greater number than operated by any other railway. The St. Paul Road was also the first to adopt the steam-heating system, and its passenger trains are to-day the best heated trains in America.

The Southwest Limited leaves Kansas City, Union Station, 5.55 p. m.; Grand Ave. 6.07 p. m. Arrives Union Station, Chicago, 8.55 a. m. This is the train that has taken first place between Chicago and Kansas City in its first year, **and holds it.**

**G. L. COBB,**  
Southwestern Passenger Agent,  
907 Main St., KANSAS CITY, MO.

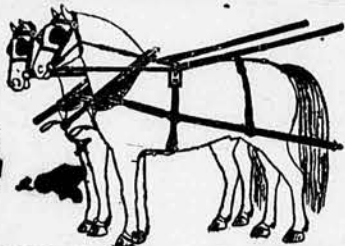
## THE AUTO-FEDAN

Manufactured by  
The Auto-Fedan Hay Press Co.,  
Tenth and Jefferson Streets,  
TOPEKA, - - - KANSAS.

THE  
Best  
Press  
On  
Earth



The only successful self-feed 2-horse-power press made. Has a record of baling three tons in one hour. With this machine, a set of men with the same exertion that they would use with another press, can bale from two to four tons of hay per day more than they would with any other machine. Satisfaction guaranteed.



## FACTORY to CONSUMER

No. 11 TEAM HARNESS Bridles, 1/2 in., short round side reins. Lines, 1 in., 18 ft. Harness, No. 460. Hame Tugs, 1 1/2 in., riveted box loop. Traces, 1 1/2 in., 6 ft. Breast Strap, 1 1/2 in. Pole strap, 1 1/2 in. Collar strap, 3/4 in. Hame strap, 3/4 in. Spread strap, 3/4 in. Pads, Moline or Hook and Terret. Back Strap, 1 in. Hip Strap, 1 in. Crupper folded. Hitch Strap. Trim-mings, X. C., less collar. **\$22.00**

We Make All Kinds of Harness. Send for Catalogue. Reference, First National Bank.

NEBRASKA HARNESS COMPANY, LINCOLN, NEBR

21  
years'  
experience  
building  
high-grade  
vehicles.



## OUR \$50 CHALLENGE

TOP BUGGY is without question the greatest value ever offered. We CHALLENGE ANY FACTORY IN THE WORLD TO PRODUCE ITS EQUAL FOR \$50. Sold on thirty days' free trial and a two years' written guaranty furnished with every buggy. Highest grade material, skilled workmanship, correct style, beautiful finish, light running, strictly "A" grade throughout. Cut this ad out, write for FREE vehicle catalogue to-day, telling you all about this wonderful offer. We own and operate the largest vehicle factory in the world. CONSUMERS CAR-RIAGE & MFG. CO., 2395 State St., Chicago, ILL.

**SAVE 20 CENTS PER SHEEP** on every sheep you shear with  
**Stewart's Improved 1904**  
**Sheep Shearing Machine** **PRICE ONLY \$12.75**

The day of the old fashioned hand shears is past. No owner of 10 sheep or more can afford to shear by hand, even though the work be done for nothing. Don't butcher your sheep. Shear with machine and get one pound of wool extra per head. It will more than cover the cost of shearing. Send today for valuable book, "Hints on Shearing." It is free and will save you money.

CHICAGO FLEXIBLE SHAFT CO., 206 Ontario Street, Chicago.

## FARMERS, There's a Reason



The basis of my business is absolute and unvarying integrity.  
**Samuel S. Thorpe**

Why I can sell you improved farms or unimproved farming land in my part of Michigan cheaper than any one else.

One reason is, BECAUSE I represent the COLONIZATION BUREAU OF MICHIGAN RAILROADS which embraces all transportation lines traversing the lands I handle, enabling me to make you inducements impossible for any one else to offer you in my locality.

Another reason is, BECAUSE being more widely known, through the large line of advertising I carry, owners who wish to sell at fair prices list their properties with me.

Another reason is, BECAUSE I handle no insurance, stocks, bonds, city property or rents.

## I Deal Exclusively in Farming Lands

My business is to sell farms and farm lands and I do it. I have sold thousands of acres to worthy people from the more well-settled parts of the country. You will probably buy of me when you see what a good offer I can make you, just as so many others have done before you. All I ask is that you will come to me and let me show you around, and I will help you in the matter of coming by reducing your railroad fare. When you look over my lands, use your own judgment. Seems to me this is fair. You owe it to yourself to investigate. I will treat you honorably and liberally—that's the way I have made my reputation.

## The Cadillac Tract

which I am now offering is the biggest bargain I have handled. It embraces about 25,000 acres of splendid land around the city of Cadillac, distant from one-half to six miles. The main lines of the Grand Rapids and Indiana, and Ann Arbor Railroads, branches of the Pennsylvania and Wabash Railroads respectively, run through the tract. The lands are also intersected by free gravel pike roads. Soil is good for crops that pay us best, climate is not at all severe, water is pure, soft and easily reached. Markets and the facility of reaching them better than in most other localities. I have an illustrated booklet and an accurate and comprehensive map of these lands which is free to you on your request. **WRITE TO-DAY. IT WILL PAY.**

**SAMUEL S. THORPE, District Agent,**

**Michigan Land Association,**

REPRESENTING

**The Colonization Bureau of Michigan Railroads,**

Embracing Ann Arbor, Detroit & Mackinac, Grand Rapids & Indiana, Manistee & Northeastern, Michigan Central, Pere Marquette.

Room 16, Webber-McMullen Building, CADILLAC MICHIGAN

## Why Should a Farmer Buy ADVANCE FENCE In Preference to Any Other? Here Are the Reasons:

**The Price is the Lowest.** It is made so by our economical method of Marketing. The Dealer's profit on fencing is worth saving. We make the fence and sell at Manufacturers' price to the farmer direct. This saves to the farmer the profit usually made by the Jobber and the Retail dealer. Two profits saved make the price of Advance Fence the lowest known for high grade fence. Give us a chance to quote you a net delivered price on the quantity of fence you need before purchasing. That's all we ask.

**We Prepay Freight** on 40 rods or more. Most others quote F. O. B. Factory prices. Then you have the freight to pay, and wire fence is heavy stuff. Our prices include the freight to your station, a "laid down" price is what you want.

**We Allow 30 Days Free Trial.** You take the fence and set it up. Use it. Climb over it. Let the stock at it. Give it any trial to test its strength. Do this thirty days. Then if it is not up to your expectations in any particular send it back and your money will be refunded. We pay the freight back, too. Is this not the fairest and most liberal offer on fence you ever saw?



**The Quality of Advance Fence is Highest.** We use only the best quality of galvanized steel wire. The fence is woven under careful supervision on the most improved fence machinery in existence. The top and bottom selvage of Advance fence are double strength. The stay wire is continuous, being twisted with the selvage from one stay to the next, and wrapped twice around each line wire as it passes across the fence. This unique method of weaving gives us a continuous or endless stay wire. We obtain twice as much strength from the wire used as fences with cut stay wires. The slight crimp at the intersection of the stay with the strand wire prevents the stay from slipping, and also provides amply for expansion and contraction.

**Twenty Six Styles to Choose From.** Where the dealer offers you a very limited selection to choose from we give you 26 Styles and sizes of fence for all purposes, besides 24 styles and sizes of steel frame Gates. This enables you to make a wise selection as well as a satisfactory one, and prevents your having to buy a 12 strand fence for a 10 strand job, and paying for useless wire, just because the dealer hasn't the size you want on hand.

## Why Poultrymen Like Advance Garden Fencing

Our 18 strand garden fencing is in high favor with Poultrymen because it is not only woven closely enough to turn poultry, but it is strong enough to turn all common farm stock. It lasts many times as long as ordinary poultry netting. It is just the thing for gardens, orchards, lawns and barn lots.

**Our Free Fence Book** is better than any Store you can visit to get just the fence you want. It is a Silent salesman, and one who tries to save you money instead of trying to sell you what you don't need. Get this book, look it over by your fire-side at your leisure. Decide on which fields you will fence this season, and which size fence will fill the bill. With the book will come to you Laid Down Prices—including cost of fence and all freight charges to your station.

Write for the Free Fence Book and wholesale delivered prices, today.  
**ADVANCE FENCE CO., 3757 Old Street, Peoria, Ill.**

WHEN WRITING ADVERTISERS PLEASE MENTION THIS PAPER.