

KANSAS FARMER

NEBRASKA

OKLAHOMA

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FARMING WHERE THE SALTON SEA THREATENED.

Every diligent reader remembers that during the earlier part of the present season there was much anxiety on account of breaks in the banks of the Colorado River through which the waters of that stream poured into the Yuma Valley and formed a body of water which received the name "Salton Sea." This valley is considerably below

Arizona the following account of farmers' meetings in the Yuma Valley:

"The farmers of Yuma Valley held a series of enthusiastic meetings October 23 to November 2, and with the assistance of Professors R. H. Forbes and R. W. Clothier, of the University of Arizona, organized the Yuma Valley Produce Growers' Association. The following persons were elected as a board of directors: P. W. Sweeney, Thomas



Herd Bull owned by G. F. Hart, Summerfield, Kans., whose sale will be held on Friday, December 6, 1907.

sea level, is very fertile, and is rapidly changing into a most productive region under irrigation. But the Salton Sea threatened to engulf it. At the request of President Roosevelt, the Southern Pacific Railroad engineers and working force succeeded, after several attempts, in turning the river into its old channel to the head of the Gulf of California. The new sea, which had attained considerable area, will now be allowed to dry up. As much water as shall be needed to irrigate the valley will be admitted from the river through proper headgates.

A friend of THE KANSAS FARMER sends from

Henley, W. E. Power, S. P. Huss, and Ed Crane. The association will have its headquarters at Yuma, Arizona, and will be incorporated under the laws of Arizona. It will turn its immediate attention to the growing of cantaloupes, and about 250 acres will be planted in the spring of 1908. Commission men are already on the ground with a view to contracting the crop; but the association will give all those interested an opportunity to make proposals before closing a contract. The association will also grow vegetables for the winter and spring markets and will have a large crop of White Bermuda onions to dispose of next

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spring the Yuma Valley is destined to become one of the richest producers of early marketing crops in the United States. The great Laguna dam across the Colorado River, now in process of construction by the U. S. government, will with two years supply an abundance of water to the fertile bottom lands consisting of about 56,000 acres. Meanwhile, the farmers now in the valley are supplied with water by a pumping plant operated by the U. S. Reclamation Service. The winter climate of the valley is unsurpassed, being mild and dry and well suited to the growing of such crops as lettuce, cabbage, cauliflower, beets, carrots, onions, and other winter growers. The temperature rarely falls as low as 20 to 24 degrees in the course of the winter. The river-formed soils are very fertile.

"The Arizona Experiment Station grew, during the season of 1907, 19,000 cantaloupes on a single acre of this valley land. From 1.2 acres 23,000 pounds of Bermuda onions were harvested and in the season of 1906 15,000 pounds of tomatoes were grown on one-half acre of land. The farmers of the valley are enthusiastic with regard to the future of their country."

VALUE OF BROOM CORN SEED FOR FEED.

EDITOR KANSAS FARMER:—What feeding value has broom corn seed as compared with corn, oats, or Kafr-corn?

How can the number of tons of hay in a stack be determined?

Cloud County, Kans. Z. MATSON.

The feeding value of any grain varies greatly with the degree of perfection of the grain, as to maturity, etc., the condition as to damage, etc., and with the variety.

Direct experiments have been made to determine the feed-lot values. These have been published in various experiment station bulletins. Reports of experiments at the Kansas Station can be obtained free of charge by addressing Director C. W. Burkett, Manhattan, Kans.

Several years ago the editor of THE KANSAS FARMER computed comparative values of nearly all feeding stuffs, based on their several average compositions as determined by chemists, and upon prices then prevailing at Topeka for some of the cheaper forms of feeds. Prices have changed greatly since these computations were

made. For the purpose of ascertaining relative values based on more cosmopolitan prices, new computations have been made based on average prices in New York City for a period of ten years.

According to these later computations, if corn be taken as the unit of value we have for equal weights,
Corn.....\$1.00
Kafr......88
Oats......86
Broom-corn seed......79

If relative values per bushel are desired they may be easily computed from these. If corn is worth 56 cents per bushel or \$1 per hundred pounds, we should have,

1 bu. corn, 56 pounds, worth 56 cents
1 bu. Kafr, 56 pounds, worth 49 cents
1 bu. oats, 32 pounds, worth 27 cents
1 bu. Broom-corn, 56 lbs. worth 40 cents

If these prices are too high compared with your local market as is probably the case for all except oats, they may be reduced in the same proportion. Thus, if corn were worth 49 cents per bushel we should have, approximately,

Corn per bu.....49 cents
Kafr per bu.....42 cents
Oats per bu.....23 cents
Broom-corn per bu.....34 cents

There is a peculiar value for oats which is not recognized in this computation. It has properties as feed for horses and as food for man which take it out of the list of ordinary feeds. The money value of these properties has not, so far as THE KANSAS FARMER knows, been estimated. While, therefore, figures for computed value of oats based on its ascertained nutrients are here given, the reader should realize that these figures understate the real feeding value of oats as compared with the other feeds mentioned.

The values here given may be called theoretical values. Comparison with results of feeding will probably show them to be about the means of what may be called experimental values, except as for oats.

In THE KANSAS FARMER of October 4, 1906, Prof. A. M. TenEyck gave the following on "Measuring Hay in the Stack."

"The rules for measuring hay in the stack will vary according to the length of time the hay has been stacked and the kind and quality of the hay, and also according to the character of the stack. With alfalfa or prairie hay which has been stacked for thirty days it is usual to compute an eight-foot cube or 512 cubic feet as a ton. When the hay has been stacked five or six months, usually a 7½-foot cube or 422 cubic feet is calculated for a ton. In old stacks which have been stacked for a year or more a 7-foot cube or 343 cubic feet is allowed for a ton.

"There are different methods of measuring stacks, depending upon the shape of the stack and also upon its size. For a long stack or rick the usual method is to throw a line over the stack, measuring the distance over the stack from the bottom on one side to the bottom of the other; add to this the average width of the stack, divide this sum by 4 (which equals one side of the square) and multiply the quotient by itself and this product by the length of the stack. This will give you the number of cubic feet in the stack, which may be divided by 512, 422, or 343 in order to find the number of tons. For small, low ricks, the rule is to subtract the width from the "over," divide by 2, multiply by the width, and multiply the product by the length, dividing the result by the number of cubic feet in a ton.

"There is no established rule for measuring round stacks, but this one will approximate the contents of a stack of the ordinary conical form. Find the circumference at or above the base of bulge at a height that will average the base from there to the ground, find the vertical height of the measured circumference from the ground and the slant height from the circumference to the top of the stack. Multiply the circumference by itself and divide by 100 and multiply by 8, then multiply the result by the height of the base plus one-third of the slant

height of the top.' The hay in a round stack is necessarily less compact than in a rectangular stack, hence a greater number of feet should be allowed for a ton, with well-settled hay probably 512 cubic feet.

"The rules given may also be used for measuring any kind of hay, cane, or Kafr-fodder in the stack. However, for cane or Kafr-fodder only approximate results can be procured by stack measurements, because the fodder is apt to vary very greatly in weight according to the moisture which it contains."

RAILROAD CUT DAMAGING LAND.

EDITOR KANSAS FARMER:—Having read so much good advice of late in your most valuable paper, I would like to ask your opinion in regard to a cut made through my farm three years ago.

The Grand Island raised its track two to four feet for several miles. In doing this work it was necessary to use lots of dirt. In front of my house is a deep cut running through my farm. The superintendent, the vice-president, and the road master all came to see me. They wanted to take the dirt of the public highway and make the wagon road level with the railroad and wanted to know if I objected to their doing so. I said yes, it would damage my property. They then proposed to trade 25 feet on the north side, which is the public highway, for 25 feet on the south side. This I agreed to do in the presence of the road boss and one of my neighbors. They agreed not to go farther north than 25 feet from the center of the old road-bed, and 75 feet south of the old road-bed, making 100 feet which the right-of-way calls for. They agreed to set a date with the notary public and notify me as to the date so that I could meet them in Robinson, Kans., the following week and they would give me the agreement in writing. This they failed to do, but set the steam shovel to work moving the dirt so far north as 34 feet at one point. But before this the owner of the steam shovel and I talked it over and he knew the agreement between the railroad company and me. I also called on the township trustee and treasurer and showed them what was wanted so they said to make the trade as it would save the township lots of work. After this agreement with the railroad company the road master was gone two days. During this time the steam shovel took the dirt at one place as far as 34 feet north of the old road-bed. I told the boss they were going to far but he said he had orders to go to the fence. The third morning the road master came. He sent for me and said that he didn't want them to go so far north and said I should tell him where I wanted them to go and he would give orders to that effect. From this on they went according to contract.

The cut referred to is 15 feet deep. This spring the bank crumbled off letting the fence fall in and from the fence on the south side of the track to where the bank has caved in is 109 feet and has taken 9 feet off the public highway. I called on the trustee and one of the commissioners, we notified the road master and asked that it be fixed and I also talked to the railroad superintendent and told him how it was and asked him to see that it would be fixed. They have failed to do anything and there is danger of driving over the bank some dark night. I would like to know what steps to take to have this fixed as soon as possible? I have written the road master two different times but have received no answer.

I have a cistern walled with brick and cemented inside. The roots of some vines in the yard have grown through the cement causing a leak in the cistern. What can I do to keep the roots out and be proof against any such thing?
C. E. THUMA.

Brown County.
The railroad has a right to take the earth from its right-of-way and use it for filling in lower places or in any

other way that may be needful for the betterment of the property. The arrangement made with this correspondent indicates a disposition to consider his rights and interests and those of the public. The fact that the agreement was not reduced to writing as promised is unfortunate. But the care exercised by the road master to change the plan of work to a better conformation with the agreement showed a right disposition. These circumstances give ground for hope for reasonable treatment in the further negotiation which the editor will advise.

But, first it will be worth while to consider that in law the railroad had no right to remove the natural lateral support of this correspondent's land or of the land in the highway without replacing such natural support by a retaining wall or other sufficient support to prevent it from caving. Having removed this natural lateral support and having thereby caused some damage the cheapest and best course now open to the railroad company is to build a retaining wall, fill in behind it; and replace the fence.

Not only this correspondent but all who use the road are interested in this matter. To have a conveyance fall into this 15-foot cut some dark night and main and kill people would be a serious matter and might cost a good deal for damages.

A proper course will be to ask the county attorney to prepare a statement of the important facts for presentation to W. L. Park, General Superintendent Grand Island Railroad, Omaha, Nebraska. This may well be signed by the chairman of the board of county commissioners and the township trustee.

If this correspondent should write to Mr. Park a statement of the case enclosing therewith this page of THE KANSAS FARMER he may get action before the official statement reaches the general superintendent.

In the matter of the roots of vines damaging the cistern, the surest remedy is to destroy all vines growing near the cistern.

RAILROAD DAMAGED FIELD BY PLOWING FOR FIRE-GUARDS.

EDITOR KANSAS FARMER:—A owns 230 acres of land south of Kansas City, Mo. A railroad runs through it. A notified the track boss last spring that he was not to burn any grass on A's place. The track boss hired a man and team and plowed several furrows through the middle of the south 80 and plowed through part of the clover and timothy hay ground without asking. What can A do about it?

The reason I do not want to plow Missouri soil is that when a few furrows are plowed the soil is generally washed out leaving big ditches which are impossible to fill. My land is a little rolling and is easily washed out.

Pawnee County, Kans. SUBSCRIBER.
The track boss had no right to plow this correspondent's field without his permission, much less over his protest. It is advisable to call the attention of the general manager of the railroad to the damage done, and ask that it be remedied as speedily as possible. Doubtless this method will be found more expeditious than litigation.

WHO PAYS FOR SERVICE OF STALLION?

EDITOR KANSAS FARMER:—A sells to B a span of mares in foal, saying the colts were paid for. B has witness to A's saying the colts were paid for. Six months after the purchase of the mares C claims the mares were bred to his horse and wants B to pay for service of horse. Can C collect from B?

Furnas County, Neb. N. E. B.
If it be the fact that A paid for the services of the stallion as he represented to B, then C has no right to collect from B. But if A did not pay for the services his false representations to B did not invalidate C's lien for the services of the horse, if C has taken the necessary steps to protest his right to a lien.

In Kansas the owner of a stallion,

jack, or bull has, for his services a lien on the offspring for a period of one year after birth of said offspring, provided that at or before the time of birth the owner of the sire shall have filed in the office of the register of deeds of the county where the dam is kept, "a list of the names of the owners of the dam or said offspring, with a description of the dam on whose offspring he claims a lien."

In Nebraska the owner of a stallion, jack, or bull has, for his services, a lien upon his get for a period of nine months after the birth of same, provided that the owner of the animal rendering the service shall have filed with the county clerk of the county in which the get is owned, a description of the same with the date of birth within 100 days after the birth thereof.

If the mares were kept in Kansas, an examination of the records in the office of the register of deeds, or if in Nebraska, the records of the office of the county clerk, it may be ascertained whether any lien has been filed. If payment has not been made as represented and lien has been filed, the fees for service can be recovered on the lien notwithstanding the false representation at the time of sale, and the purchaser has recourse upon the seller. If no lien has been filed within the statutory time the owner of the stallion must look for his pay to the man who owned the mares at the time of service.

"VALORIZATION."

A notable effort to counteract the natural working of the law of "supply and demand"—more properly the balancing of the forces of supply and demand—in determining prices is now on trial in Brazil, South America. The production of coffee was apparently outrunning the demand. To avert the natural and inevitable fall in prices, the Brazilian government was induced to undertake what is called a "valorization scheme." This provided that the government should purchase and hold the surplus beyond the market demands, paying the cost of production under good management. The 1906 crop was so great that the government took 2,596,566 bags for the purchase of which the National credit raised a loan of \$20,000,000. The 1907 crop is still greater and it is said that the excess over market demands and which the government must take will be nearly eight million bags, making it necessary for Brazil to raise some sixty million dollars.

Financiers are not rushing forward with offers of this large sum. On the other hand the price of coffee is falling so that it is said the scheme will cause the government to lose \$24,000,000 on this year's operations.

More serious in the estimation of the coffee planters, than this government loss, is the fact that the costly "valorization scheme" is proving a failure as a sustainer of prices.

TELEPHONE COMPANY.

EDITOR KANSAS FARMER:—We are going to organize a farmer's telephone company. We wish to know if we have to get a charter from the State. Do we have to get a blank from the State? To whom would we apply for it? What would be the cost to organize. How should we proceed? We would be pleased to have full information regarding organization of telephone companies.

J. J. LEFEHORE.

Pottawatomie County.

A charter is not absolutely essential to the formation of a telephone company or to its success in building and operating its plant. But, many complications are avoided by incorporation if more than three persons are interested as shareholders. For blank charter and copy of the laws governing corporations in this State, write to the Secretary of State, Topeka, Kansas. The charter fee is one-tenth of one per cent of the capital stock for all corporations having less than \$100,000 capital. In addition to the charter fee there is a fee of \$2.50 for filing and recording the

The Value of a Telephone

An unconnected telephone instrument has only a limited dollars-and-cents value; a telephone connected with your neighbors, your doctor, your markets, has a value unlimited—for it may be the means of saving your property from destruction by fire, your family from serious illness, your products from a drop in prices. But a telephone upon which you cannot depend in emergencies is worse than valueless. Buy and use only

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The similarity of the talk of some financiers representing Wall Street interests, with arguments put forward by the Greenbackers in their day, by the Free Silverites in their day, by the Populists in their day, is a reminder that person's views of expediency, not to say of justice, are sometimes modified by the circumstances of ownership of the money or of obligation for the debt.

Prof. J. T. Willard has prepared the first of a series of brief practical papers for the extension work of the Kansas Agricultural College. It gives accurate information on "The Soil With Reference to Fertility and Moisture." This excellent paper will appear in THE KANSAS FARMER in the near future. Copies may be obtained on application to the Institute Secretary, Manhattan, Kans.

WHEN DOES THE PASTURING SEASON END?

EDITOR KANSAS FARMER:—Will you tell me whether there is any law governing the season of pasturing for cattle? Can the owner of the pasture compel the owner of the cattle to take cattle out the pasture the first of October when they were put in for the season? There is plenty of grass in the pasture. WM. L. MACY. Clay County.

While the date of the close of the season for pasturing cattle might be made subject of legislation, the writer knows of no such law. If there is a date on which this season is usually understood to close when no time is specified in the contract, such date should be observed. A date that is well understood in a community or section would very properly receive much consideration from any court before which such questions were brought. Certainly such generally

recognized date should be observed voluntarily among neighbors. If, however, there be no fixed date that is generally understood and observed, but the time of taking cattle from pasture varies with the season, and the condition of the grass, the usual custom, as in the other case, should be given the force of law. In this later case there is opportunity for much variation of opinion, much consideration of liability to damage the stand of grass, etc. It is better in any case to make definite contracts as to dates.

The largest importation of tropical products into the United States is of sugar and molasses. For the year ending June 30, 1906, the value of these was \$99,892,253; for the year ending June 30, 1907, their value was \$13,512,889. When will sugar-production overtake demand in the United States at this rate?

Field Notes

LIVE STOCK REPRESENTATIVES.

J. W. Johnson..... Kansas and Nebraska
L. K. Lewis..... Kansas and Oklahoma
Geo. E. Cole..... Missouri and Iowa

The No. 8 mill and elevator donated by the N. P. Bowsher Co., South Bend, Ind., as a prize at the National Corn Exposition, was awarded to Mr. Ray F. Bennett, Ames, Iowa, in class C.

Ralph Harris, owner of the Harris-Turner herd of Duroc-Jerseys, Buck Creek, Kans., pays this nice tribute to his favorite breed of swine: "The Duroc-Jersey is without question one of the highest types of hog today, and he has attained his prominence before the public and his popularity with the farmer and the breeder by his great excellence and his show merits."

H. H. Harshaw, Butler, Mo., had a very successful Poland-China sale on November 8. There was a good crowd present and an unusual number of mail order bids. Few sales have as many as 20 mail orders as did this one and yet only one hog was bought in this way. The farmers and breeders present liked this kind and bought them. The top price was \$150, with a general average of \$38 on 50 head. Good hogs are good property.

Secretary R. M. Washburn, announces the annual meeting of the Missouri State Dairy Association for January 9-

sows will go into the sale in thin flesh because of the fact that they have raised fall and summer litters. Every one of them is guaranteed a breeder and a prolific, useful sow. Bids may be sent to the auctioneer.

Grant Chapin of Green, Kans., who had such a fine Duroc-Jersey sale at the State Agricultural College on October 30, now announces that he has 2 herd boars for sale. One of them is Joe Cannon by Red Raven 47607 and out of Faust's Pride by Kant Be Beat. The other is Colossal by Golden Rule, who stands at the head of the great Ohio herd of Watt & Faust. Joe Cannon is a son of his father and like him in every way. He is good enough to go into anybody's herd while Colossal is a boar of great length and depth, good bone and as good a back and set of feet as was ever placed on a boar. Notice Mr. Chapin's advertising card and get busy.

Don't forget the public sale of Elm Lawn Poland-Chinas at Eskridge, Kans., on November 20. At this time Mr. R. M. Buck, the owner and breeder, will sell 35 sows and 15 boars that are good ones. They are out of prize-winning stock and many of them are grandsons and granddaughters of Chief Perfection 2d who is considered the world's greatest sire. A number are by On and On 2d, whose very name indicates his ancestry and quality. This sale will be a marker for quality and will contain some of the best things that have passed through the sale ring this year. Write for catalogue at once and be sure to be present on sale day and see a really good sale.

"Woodlawn" is the title of the neatest little book you ever had the pleasure of perusing if you are interested in Durocs. John W. Jones & Son, Con-

lege View, Neb., out of the \$6,000 Kant-Be-Beat. His dam, Lincoln's Pride, is out of a son of Tip Top Notcher. Lincoln Pride's dam is Village Pride, out of Improver 2d. Village Pride was a winner at Iowa and Nebraska and sold in Morrison's sale for \$400 February last. Purchasing this boar, Mr. Dorr has a combination of breeding put in one boar as good as there is in the breed, that is, the breeding of Kant-Be-Beat, Tip-Top-Notcher, and Improver 2d, three of the greatest Duroc boars living or dead. Mr. Dorr says: "If anyone is looking for sows to be bred I can breed them to this young Kant-Be-Beat at a price that will surprise you. I also got a young boar out of Kansas Oom Paul, the second ribbon boar at the American Royal just past. I also have some boars and sows left yet out of my 1,043-pound Ohio Chief, Jr., some out of Dorr's Model, a grandson of Hunt's Model. This is a show boar. I have some also out of Peterton Bill, a grandson of Ottawa Bill, owned by F. A. Burge, and some out of Tip-Top, Jr., out of W. L. Addy's Notcher. Come or write me. My prices are very low. Write to Chas. Dorr, Osage City, Kan., R. R. 6. My farm is near Peterton depot. Mention this paper."

H. B. Walter's Sale.

An offering of Poland-Chinas that would have averaged in the neighborhood of \$40 per head had the weather been favorable only averaged \$29.37 1/2 at H. B. Walter's sale on the 25th of October. It was a great lot of well developed stuff with a world of smoothness. The Stylish Perfection gilts, together with a few sows averaged \$42 per head, but before the females were half sold rain began to fall and the remainder of the sows and all of the boars had to be sold in the rain. Col-



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4. Boar, Oscar Jacobson, Wakefield..... 20.00
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6. Boar, J. H. Vogan, Utica..... 50.00
7. Gilt, W. C. Milligan, Clay Center..... 50.00
8. Boar, P. DeYoung, Wakefield. 34.00
9. Boar, Axtell Bergren, Morganville..... 15.00
10. Gilt, C. A. Streeter, Wakefield 31.00
11. Boar, E. W. D. Dodson, Wakefield..... 40.00
12. Boar, J. A. Reed, Wakefield.. 21.00
13. Boar, C. A. Steerer..... 20.00
14. Boar, Chet Fleming Wakefield 18.00
15. Boar, Jno. Sparrowhawk, Wakefield..... 18.00
16. Gilt, Dan Yonkin..... 43.00
17. Boar, Lee Sheppard, Wakefield 23.00
18. Boar, Jacob Steffin..... 16.00
19. Gilt, H. H. Foster..... 25.00
20. Gilt, C. W. Dingman, Clay Center..... 26.00
21. Boar, Jas. Schivers, Wakefield 17.00
22. Boar, C. O. Steinbrook, Wakefield..... 18.00
23. Gilt, C. W. Dingman..... 24.00
24. Boar, Alf Yarrow, Wakefield.. 26.00
25. Boar, J. T. Bradbury, Wakefield..... 20.00
26. Boar, H. Weise..... 17.00
27. Gilt, C. A. Streeter..... 31.00
28. Boar, A. H. Zummerley..... 26.00
29. Gilt, C. W. Dingman..... 40.00
30. Gilt, C. W. Dingman..... 37.50
31. Gilt, J. T. Bradbury..... 30.00
32. Gilt, H. J. Rickley, Oak Hill.. 22.00
33. Gilt, Karl Seltz, Broughton... 35.00
34. Gilt, W. C. Milligan..... 32.00
35. Gilt, Geo. Seeley, Manchester.. 57.50
36. Gilt, Sam Amcroats, Clay Center..... 37.50
37. Gilt, Dan Yonkin..... 22.00
38. Gilt, C. W. Dingman..... 75.00

A Choice Lot of Angus Cattle at Private Treaty.

R. S. Williams, the Angus breeder of Liberty, Mo., is now offering his entire herd for sale at private treaty. Mr. Williams, has been breeding Angus cattle for several years and has gathered about him a lot of cattle that are calculated to do good service in many good herds of this breed of cattle. The offering consists of 40 head, representing some of the popular families of the Dotties, Ericas, Drummin Lucys, Queen Mothers, Fliv Flowers, Barbaras, and other good families.

Ten yearling heifers by that grand bull that formerly stood at the head of his herd Zaire 17th, and out of the cows we have just indicated above.

There are 6 yearling heifers that are extra good and that some good breeder could profitably own.

Four bull calves that are ready for service, also two herd bulls that are full of quality and as rich in breeding as anybody could ask; this stuff will be priced worth the money and if you are wanting to establish a herd of Angus cattle or add some real good ones to the herd you have already established it will be worth your while to investigate this offering. Write Mr. Williams today at Liberty, Mo., and he will cheerfully give you any information you may desire.

Ludwig's Sale of Shorthorns.

E. D. Ludwig's sale of Shorthorns occurred November 5, at Sabetha, Kans., as advertised. His offering was a pleasing one and well fitted.

There was a good crowd of buyers present but bidding was not brisk and the entire offering was not sold. Those that were sold brought fair prices.

The top of the sale was \$235 for the fine Scotch yearling bull, Ring Leader, got by Barmpton Knight, dam Redbud 2d, tracing to Imp. Golden Galaxy. He was bought by Hector Cowan, of Paulina, Iowa.

The top of the females was Princess by Barmpton Knight, dam Gentle Phyllis by Arbitrator. She was bought by Everett Hayes, of Hiawatha, Kans., for \$220. There were a number that sold above \$100.

There were many favorable comments on the quality of the offering, and it was a credit to Mr. Ludwig as a breeder. Cois, Bellows, Marion, and Wickins did the selling.

- The totals, averages, and a list of the sales follow:
- 21 females.....\$1,670.00; average \$79.50
 - 5 bulls..... 547.50; average 109.50
 - 26 head..... 2,217.50; average 85.30
 - Minnie Lee, Hitchcock, Fall City, Neb..... \$60.00
 - Dewdrop 3d, Geo. Purline, Sabetha..... 52.50
 - Wapsle, Mr. Vandyke, Sabetha... 60.00
 - Jennie Lee, C. J. Mitchler..... 70.00
 - Sir Knight 265327, J. Kimmell, Morrill..... 100.00
 - Knight's Faucett, Wm. Keller, Meeker..... 62.50



A Group of Watson, Woods Bros. & Kelly's Stallions, showing the type of horses they are offering in their Public Sale at their new barns at Lincoln, Neb., on December 3, 1907.

10 at Columbia, Mo., at which time the Missouri Butter and Cheese Makers Association will also hold its annual meeting at the same place. Secretary Washburn is State Dairy Commissioner of Missouri and a most efficient officer. Kansas people who attend these meetings are sure of a good program and a most cordial welcome.

Breeders of dairy cattle will be interested in knowing that H. N. Holdeman, Meade, Kans., now offers for sale the richly bred Holstein-Friesian bull, Sir Gerben Shady Josephine 47583, who is a grandson of the 12-year-old cow Gerben, who produced more butter at the Louisiana Purchase Exposition test than any other of any breed. The dam of this young bull made 17 1/2 pounds of butter in 7 days in her 3-year-old form. Mr. Holdeman formerly lived at Girard, where his Holsteins and Poland-Chinas, both of which he still breeds of better quality and under more favorable conditions at his new home were well known.

C. O. Anderson, the Duroc-Jersey breeder of Manhattan, Kans., is sold out of early farrowed spring gilts but has a few of later farrow. He has a dozen early spring boars for sale. These are farmers boars and will be sold at farmers prices. They are ready for immediate service and are heavy boned and of cherry red color. They were sired by Blue Valley Boy 38817 by Hunt's Model 20177 the World's Fair prize-winner at St. Louis. The dams of these boars are granddaughters of Top Notcher Chief, Higgins Model and other good ones. The prices are right to move them quickly.

In this issue will be found the advertisement of Leon Carter's dispersion sale of Duroc-Jerseys at Asherville, Kans., November 20. The sale will be held under cover if stormy on Mr. Carter's farm which adjoins Asherville. The offering is made up of 25 recorded sows that constitute the foundation of this splendid herd, and sixty fall and summer pigs and six spring gilts and a few spring boars. Catalogues are ready and a postal card addressed to Leon Carter, Asherville, Kans., will bring one by return mail. If you are looking for tried brood sows at about the cost of gilts now is your opportunity. These

cordia, Kans., have just issued it and it is certainly a credit to this well-known firm of Duroc-Jersey breeders. "Woodlawn" is the home of Shorty Orion, Fancy Chief, and several other herd boars of merit. In this little book Mr. Jones tells the story of his success in a characteristic manner and has included several other articles on feeding, public sales, private sales, and other subjects that are of general interest to breeders. If you are interested in Durocs and are in need of a herd boar or anything in their line you should write them at once. To such this little book is free. Mention THE KANSAS FARMER when writing. Their ad will be found in another place in THE KANSAS FARMER.

The Olathe Mirror has this to say about one of our advertisers: "Johnson County is rapidly becoming noted for its fine stock. Few counties, if any, in the State have a larger number of farmers engaged in raising pure blood live stock, either hogs or cattle, or a high grade of horses. Many of the herds of pure blood hogs are attracting the attention of breeders from all sections of the country.

"One of the best known herds of Durocs is that of J. F. Ensor, living on Route 5, Olathe, Kans. Mr. Ensor took seven from his herd to the American Royal Stock show recently held in Kansas City, and although his winnings were not great, they were encouraging and he will try again. He was unanimously conceded to have the largest hog in the show in his "Eureka Tip Top 43641," which was also conceded to be the smoothest of the aged boars. This hog won fourth prize in a strong class. "Olathe Chief 61629," by Ohio Chief, dam Helen Blazes III, won fifth in a class of twenty-one. Mr. Ensor also won second on breeders young herd, consisting of boar and three gilts under one year old.

Mr. Ensor's herd now numbers upwards of 200 head of all ages and they are a collection of very fine stock."

Chas. Dorr, owner of the Gold Standard herd of Duroc-Jersey swine at Osage City, Kans., R. R. 6, who showed Ohio Chief, Jr., which weighed 1,043 pounds at Hutchinson State Fair, was at the American Royal, and purchased a boar bred by J. M. Morrison, of Col-

McCulloch, on the block and Carson and Zeck in the ring labored hard, but were unable to keep the average where it should be, a big per cent of the crowd deserting the ringside to seek shelter in the nearby sheds. No. 36, a fine sow by Jensen's Mogul, with breeding service to Stylish Perfection, topped the sale at \$90, going to H. H. McClain, of Talmo, Kans. H. W. Griffiths, of Clay Center, topped the boars at \$50, buying No. 4, an April 2d pig by Billie K. and out of a sow by Mogul.

Following are representative sales, with names of purchasers:

2. H. H. McClain, Talmo.....\$25.00
3. J. J. Ward, Belleville..... 32.00
4. H. W. Griffiths, Clay Center.. 50.00
5. H. H. McClain..... 59.00
6. N. E. Copeland, Waterville... 26.00
7. Joseph Baler, Elmo..... 25.00
8. H. H. McClain..... 62.50
9. C. W. Dingman, Clay Center... 27.50
10. W. H. Bullen, Belleville..... 61.00
11. H. H. McClain..... 42.00
12. Carl Jensen & Son, Belleville. 25.00
13. H. E. Lillie, Wayne..... 20.00
14. Wm. Smith, Hollis..... 25.00
15. S. W. Vancampen, Clifton..... 25.00
16. Carl Jensen & Son..... 60.00
17. W. D. Williams..... 39.00
18. Z. Reeder, Wayne..... 32.00
19. H. E. Lillie..... 20.00

The Weaver & Son Poland-China Sale.

In spite of the rain, which grew heavier as the day grew older, the Poland-China sale of C. B. Weaver & Son, Wakefield, Kans., was a success. This sale was held on Thursday, October 31, and was quite satisfactory to both the breeders and buyers although good weather would have assured a larger crowd and perhaps higher prices. The herd from which this sale was made is headed by Philanthropist 38025 by Expansion 26293; Victory by Corrector 26466; Kappa Gamma by Meddler 2d 11111, and Compromise 2d by Compromise 82203. With such breeding it is no wonder that the boars in the sale averaged \$25.24 and the gilts, \$34.61 in the rain.

The sale in detail is as follows:

1. Boar, Dan Yonkin, Wakefield, \$32.50
2. Boar, Chas Hachbach, Morganville..... 20.00
3. Boar, A. Wickland, Morganville..... 20.00

Diamond Dewdrop, Al Smith, Morrill.	80.00
Moss Rose, Geo. Purline.	122.50
Rose Lovely, D. E. Rever, Morrill.	70.00
Mary Ann, Mr. Westhaver, Phillipsburg.	75.00
Lady Faucett, C. G. Wright, Pope	75.00
Corabelle, A. T. Carvin, Sabetha	35.00
Phyllisla 4th, F. M. McCoy, Sabetha.	82.50
Irene, A. B. Vandyke.	100.00
Phyllisla 3d, T. K. Master, Sabetha.	65.00
Knight's Dewdrop, Mr. Westhaver.	90.00
Gentle Phyllis, Everett Hayes, Hiawatha.	75.00
Pride's Scarletina 1041, Mr. Henry.	90.00
Princess, Everett Hayes.	220.00
Adelaide of Tebo Lawn, T. K. Master.	50.00
Sir Adlie, John Harter.	80.00
Duchess, L. Miller, Sabetha.	77.50
Valliant Duchess 2d, H. Bellman, Dawson.	70.00
Paulina 2d, John McCoy.	70.00
Ringleader, Hector Cowan, Paulina, Ia.	235.00
Laird's Sunshine, John Peet, Sabetha.	70.00

W. L. DeClow, owner of the Cedar Rapids Jack and Belgian Importing Farm at Cedar Rapids, Iowa, writes as follows:

"I have my barns full of extra fine, large, straight, stylish, handsome jacks. I believe the best line that can be found in America. Among them are several big 16 hand imported Spanish jacks, including Rugulo, the best one Spain



has produced in 100 years. Almost at the close of the selling season this year I sold the premium jack, Thomas Lawson, to C. W. Fansler, of Prairie View, Kans., an extra individual that produces high grade mules. I believe he stands without a peer in your State.

"I also have as fine a lot of imported Percheron, Belgian, and Coach stallions as can be found in America, at prices from \$800 to \$1,400 at the barn, for big, sound, young ton horses.

"I conduct my business on careful, economical lines with limited amount of advertising and am therefore in a position to give my customers better bargains than any one else in the business, for all the big, expensive advertising must come out of the purchaser's pocket. My endeavor is to handle the very best class of jacks and stallions and in such a way that I can save my customers from \$300 to \$800 each on their purchases."

Kentucky Jacks for Export to the Hawaiian Islands.

J. F. Cook & Co., of Lexington, Ky., sold to The Commercial & Sugar Co., of Mari Territory, Hawaii, the three-year-old jack, Duke of Glenwater, and to The Kapapala Ranch, of Hawaii, the three-year-old jack, Kentucky King. They also sold to J. T. Tune and J. D. Ramsey, of Salem, Mo., the three-year-old jack, Jewell, and to Dr. James A. McCollan, of Uhricksville, Ohio, a two-year-old Imported Catalonian jack, and to Dr. W. M. Stell, of Ocampo, Chihuahua, Mexico, a three-year-old jack, and to Mr. Dan Ammerman, of Harrison County, their two-year-old premier jack, Golden Cloud.

This firm says that the jack buyers this season are wanting more weight and quality than ever before and are buying the very best to be had.

Hart & Glasgow Sell Shorthorns December 6.

On Friday, December 6, Geo. F. Hart and R. R. Glasgow, of Summerfield, Kans., will sell a select draft of 49 head of Shorthorns from their good herds, consisting 34 cows, 9 yearling bulls, 5 yearling heifers, and Royal Ben Barker, one of their herd bulls. Their offering is made up of some of their best cattle, and all of them carry one or more Scotch tops. The cows are large, breedy matrons of good individuality, and known breeding qualities. Twelve of the cows are by Imp. Hampton Prince, and others are by such sires as Oxford Prince, 10th Scottish Lord, and King Edward. Their dams are from such families as Imp. Village Rose, Raspberry, Rose of Sharon, Annabella, and Golden Galaxy. A number of the cows will have calf at foot by the straight Scotch bull Secret Prince, and nearly all of breeding age will be bred to him. Secret Prince is a show bull, and a strong breeding animal. He won first in class at the Nebraska State Fair 1906. Secret Prince 206547 was got by Imp. British Prince, and his dam is Imp. Strawberry by Topman. Nearly all of the young things in the offering are by him and they are a growthy, sappy lot of youngsters. A number of the bulls are fit for a place in good herds. Everything will be properly fitted and in the best condition to bring best results to purchasers. These are a

business lot of cattle, and here will be the place to buy foundation stock, or to secure new blood for herds already established. A more extended description of this offering will appear in our next issue. Write either one of the consignors for a catalogue and arrange to be present at this sale.

A Meddler Event at Oregon, Mo.

We want to again call the attention of our readers to the grand offering of Poland-Chinas that F. F. Oerly, of Oregon, Mo., will run through the auction ring at that place on Saturday, November 23. The richness of their breeding and the excellence of individual character commend them to the profound consideration of the very best breeders of Poland-Chinas of this country. A careful review of the catalogue and display ads will disclose the fact that it will be exclusively a Meddler sale.

The entire offering is sired by Meddler and two of his noblest sons, Meddler Maker and Meddler 2d, and out of dams by some of the greatest hogs of the Poland-China breed.

There are 55 head included in the sale; 18 boars, 5 fall gilts, and 31 spring gilts. We mention a few of the choice ones: 2 sows by Meddler, out of Sweet Dream by Keep On; 2 sows by Meddler, out of Golden Dewdrop by Chief Perfection 2d; 1 boar and 3 gilts by Meddler 2d, out of May Cherry by Corrector 2d; 2 gilts by Meddler 2d, out of Winning Lady by Keep On; 4 gilts and 2 boars by Meddler 2d, out of Winter-tainment by Corrector; 5 gilts and 3 boars by Meddler Maker, out of Lady

On Line by On and On. These gilts are especially good, possessing that fineness of quality and finish that are so pronounced in the Meddler family. It will be observed that the Meddler Maker get of this offering stands alongside the get of other great boars in point of individual merit and show-ring possibilities.

Meddler Maker is proving himself a great breeder and Mr. Oerly is so well pleased with him that he has repeatedly refused flattering offers for him and declined to put a price on him at all.

One of the attractions of the sale is a sow that is a full sister to Corrector 2d and bred to Meddler Maker that is worthy of the attention of some good breeder.

Send for a catalog and come along to this sale. You will not be disappointed for there are hogs that you will be proud to place in your herd. The sale will be held in comfortable quarters and every arrangement has been made for your visit that it may be pleasant and profitable.

Imported Percheron and English Shire at Auction.

On another page of this paper, Watson, Woods Bros. & Kelly Company, of Lincoln, Neb., announce their third annual sale of imported Percheron and English Shire stallions, together with a few English Shire fillies. The firm has on hand at the present time over forty imported horses and will sell a selection of twenty-three head at their December 3 sale at Lincoln, Neb. Our readers can feel assured if they attend this sale that they will find as fine a class of horses, both as to individuality and breeding, as money could purchase in Europe. Their Percherons range in age from coming three to coming five, are blacks and grays in color and weigh from 1,700 pounds to 2,200 pounds. They are a clean, sound bunch, purchased from the most reliable and best breeders in France, imported since last September, and in the finest kind of condition to go out and do the buver the most good. They are not fat, but thoroughly fit in every particular. With every horse offered in this auction will be a certificate from the Assistant State Veterinarian of the State of Nebraska, as to soundness. Never before has this firm offered both in Percherons and Shires a better bunch than will be included in this sale.

Remember that they reserve no horses, every one of their prize-winners will go under the hammer if you call for them and these without protection of any kind or character.

Many of the Percherons will carry such blood lines as the Besique, Jules, and other noted sires. In next week's issue of this paper we will give a synopsis of the breeding and a short write-up on each animal and the firm will guarantee to any intending purchasers that they will find them just as good as the description.

Among the Shires will be their great two-year-old Nallstone Baskerville that won first in class at the Nebraska State Fair, and third prize at the London Royal. Also many others equally as good, most of them of the famous Har-old breeding.

They will also offer three very choice imported Nallstone Shire fillies.

XMAS GIFTS Diamonds on Credit

For Christmas Presents the Loftis System is a great convenience. It enables you to make beautiful and valuable gifts without the outlay of much ready money. A small cash payment, and you can give a "loved one" your choice of the finest diamonds, watches and other articles of high grade jewelry. MAKE YOUR SELECTIONS NOW from our Xmas catalogue. We will send them, with all express charges paid, for your inspection. If you like them, pay one-fifth on delivery; balance in 8 equal monthly payments. Write for Xmas Catalogue Today.

LOFTIS Old Reliable. Original Diamond and Watch Credit House. Dept. 209, 82 State St., Chicago, Ill.

TEN ACRES OF PEARS BROUGHT \$15,000

Does this statement border on the marvelous? Suppose it could be verified? Suppose you could be shown other crop yields and returns therefrom equalled or surpassed it? Wouldn't you feel like investigating the merits of such a section? At any rate wouldn't you like to learn more about it and read what its citizens say about it? Then send to the undersigned for free copy of

THE PECOS VALLEY.

J. M. CONNELL, General Passenger Agent, The Atchison, Topeka & Santa Fe Ry. Co., Topeka, Kansas.

Blacklegoids

Simplest, Safest, Surest Vaccination for the prevention of **BLACKLEG IN CATTLE**

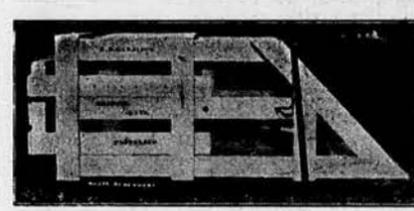
NO DOSE TO MEASURE. NO LIQUID TO SPILL. NO STRING TO ROT.

Just a little pill to be placed under the skin of the animal by a single thrust of the instrument. You cannot afford to let your cattle die of blackleg when a few dollars spent on Blacklegoids will save them. Write for circular.

PARKE, DAVIS & COMPANY

HOME OFFICES AND LABORATORIES, DETROIT, MICH.

NOTICE.—For a limited time we will give to any stockman an injector free with his first purchase of 100 vaccinations.



GARRISON'S COMBINATION BREEDING AND RINGING CRATE.

Endorsed by the leading breeders of the country; in use in six states; can be adjusted to any sized animals; can be used for breeding, ringing or loading hogs. Made of the best material; will last for years. Every breeder and farmer should have one. Write for price and description.

A. B. Garrison -:- Summerfield, Kans.

If you will drop this firm a card, they will send you a complete description of all of these horses together with cuts and other valuable information. Remember that next week this paper will print a short, complete description of each of these horses. See advertisement on page 1263.

Last Call for Rutledge Sale of Scotch-Top Shorthorns, at Little River, Kans., November 19.

On another page of this issue, E. H. Rutledge, of Little River, Kans., is advertising his great sale of Scotch-top Shorthorns which will occur November 19. His offering, which consists of 30 head, 22 females and 8 bulls, comprises some of the choicest stuff in his herd. Mr. Rutledge's herd is headed by the great Scotch bull Double Champion, who is a good son of the celebrated Choice Goods, and whose dam is the noted cow Russella. Mr. Rutledge paid \$1,000 for Double Champion as a yearling, and from a breeder's standpoint, as an individual and a sire, the animal amply justifies the expenditure. This offering will consist of 15 females of breeding age, 7 yearling heifers, and 8 yearling bulls. The cows are a lot of large, well-finished, breedy matrons, and will be safe in calf or have calf at foot by Double Champion. The young things in the offering are by him, and are a choice lot. The bulls are a growthy, sappy lot of youngsters, with scale and finish, and a number are fit to head good herds. The heifers are very fancy, and will make the best of foundation stock, or furnish new blood for herds already established. Everything will be well fitted and in the best possible condition to make good in the hands of their purchasers. The sale will commence promptly at 12 o'clock, and trains will be met at Little River Monday evening and Tuesday morning.

This is Mr. Rutledge's first sale, and he wants all lovers of good cattle to be present, whether they expect to buy or not. If your can not be present, send bids to the auctioneers or L. K. Lewis, of this paper, in Mr. Rutledge's care. Write for catalogue and arrange to be present if possible.

Last Call for Buck's Sale of Polands.

On another page of this paper R. M. Buck, of Eskridge, Kans., is advertising his sale of Poland-Chinas and Shorthorns which will occur Wednesday, November 20. Mr. Buck's offering of Polands will consist of 50 head, 35 females and 15 spring boars. These will be well fitted, and of the most fashionable breeding. Of the thirty-five females 15 will be proven sows and 20 will be well grown spring gilts by Advance, U. C. Perfection, and On and On 2d, and out of Im-

DE KALB HOG FENCE

is made with cables CLOSE at bottom of fence. Send for large circular showing exact height size of wires and spacing between the cables of the DE KALB PIG AND HOG PROOF FENCE, absolutely the best ever produced. This famous M. M. S. Fencing can be erected at half the cost of Netting. EAGLE Barb Wire better and much cheaper than common kind; insist upon your dealer supplying above brands of Fencing. Catalogue showing most complete line of fencing for all purposes mailed free. Address **DE KALB FENCE CO., 739 Shukert Bldg., KANSAS CITY, MO.**

puddence, Mischief Maker, T. R.'s, Perfection, Keep On 2d, U. C. Perfection, Missouri's Keep On, Keep on Perfection, and Top Roller dams.

Among the mature stuff there will be 8 sows by Advance, and out of Perfection E. L. and Mischief Maker dams; 2 fall gilts by U. C. Perfection and 1 very fancy Anchor gilt.

The boars are by Advance and On and On 2d and out of Mr. Buck's best sows.

It is seldom that the variety of popular blood lines found here is comprised in one offering, and this alone should make Mr. Buck's consignment especially attractive and valuable to breeders, and supplemented by the individuality found here it is doubly so.

In the forenoon Mr. Buck will sell 10 head of Scotch-topped Shorthorn cows and heifers. This is a useful lot in good condition, and they will be bred to the herd bull. Inaugurate, who was a winner at the American Royal 1906.

If you have not sent for a catalogue, do so at once and arrange to be present for it will pay you to do so.

Mr. Buck does not expect high prices and there are sure to be bargains. If you can not come, send bids to the auctioneers or L. K. Lewis of this paper in Mr. Buck's care.

H. D. Nutting's O. I. C.'s and Scotch Collies.

H. D. Nutting of Emporia, Kans., proprietor of Walnut Grove Farm, and famous for O. I. C. swine and Scotch collie dogs, but sold his farm and will hold a public sale in December. Mr. Nutting has 225 head of choicely bred O. I. C. swine and 65 fancy Scotch collie puppies that he will sell at private treaty at bargain prices, if taken before date of sale. His O. I. C.'s are all from L. E. Silver stock, and are a choice lot. Mr. Nutting has had a strong demand for males this fall, but still has a few toppy, spring boars and 2 yearling boars left. He has a fine line of growthy fall and spring gilts for sale, and some ex-

tra good pigs of September farrow. Mr. Nutting's collies are among the best in the land and are descendants of two of the greatest Scotch collies ever brought to this country. His stud dogs are a grandson of the champion Winshaw Clinker and a great grandson of Southport Perfection.

Winshaw Clinker was an American champion and won 16 championships in England. Southport Perfection was called the finest dog in the world. He was purchased by J. Pierpont Morgan for \$8,500, and brought to America to head Cragston kennels, at his beautiful place, at Highland Falls.

Mr. Nutting's stock is known and recognized as among the best in the country, but he is going to quit the business and this choice stuff will be sold at bargain prices.

Look up Mr. Nutting's advertisement in THE KANSAS FARMER, and get in your order early if you want the choice ones. When you write please mention this paper.

International Galloway Sale.

On the 6th of December at Chicago, Galloway breeders and stockmen will have an opportunity to place public values on an extraordinary high class lot of Galloways, which have been consigned by leading breeders of the corn belt. The sale will be held under the auspices of the Galloway association.

The offering is not as large as has been in evidence in former years, but the quality is of decided superiority, which is fully attested by the names of the following consignors: J. E. Bales, Stockport, Iowa; C. E. Clarke, St. Cloud, Minn.; A. F. Craymer, Morris, Ill.; James Frantz, Bluffton, O.; Charles Gray, Chicago; C. C. Habecker, Danvers, Ill.; Michigan Premium Stock Company, Davisburg, Mich.; and O. H. Swigart, Farmer City, Ill.

This offering is conceded by leading authorities to be the best bunch of Galloways ever listed for sale on either side of the Atlantic. We are offering the best blood and individuality of the breed, and it is to be hoped prospective breeders and stockmen in the east and west, as well as the corn belt, will show their appreciation toward the liberality of the consignors by being present at the sale.

Further mention of the individual merits of some of the most attractive bulls and cows will be made in future issues. For catalogue address Charles Gray, 17 Exchange avenue, Chicago. They are now ready for distribution, so please secure one at once and inspect and study the richness of breeding of individuals listed.

FARMERS AND HIGH PRICES.

There is a wonderful deal in being ready for a good thing when it comes. Sometimes a farmer misses the high price of the season because his cattle, sheep or hogs were not in market trim at the right moment.

This might have been a fault in the stock, but more likely it was a fault in the farmer, because there are well-established ideas and principles at the bottom of the feeding business which point a sure way to hasten and perfect all animal growth and development.

Ask a successful breeder of cattle or a man who turns of his fat droves once or twice a year, and he will tell you, "my dear sir, it's all in the tonic—you can't fat steers, hogs, sheep, or a horse for the show ring or for sale without using every day the proper food tonic," and this man's testimony should be just what thousands upon thousands of others would say if it were possible to ask them the same question.

It is a well-known fact by every man who owns a domestic animal, that heavy feeding is likely to upset the digestion and make the animal "go back." Why this is so is also well known—no animal stomach is sufficiently strong to stand the continual stuffing that is necessary to make a desired weight in a certain time. Hence the feeder is constantly facing a possibility of loss even before he is ready to reap his gain.

Just here a knowledge of the "tonic idea" comes to help the feeder out. It tells him that a "food tonic" given regularly (at small cost) to the steer, cow, horse, hog or sheep which is being fitted for market, will remove the possibility of digestive disorder and by increasing assimilation actually shortens the time necessary to fatten the animal. Every day gained in this way is of course so much on the profit side of the account and well worth considering when the final balance is struck.

These things being so, it is evidently sound business to use the "food tonic." Thousands are doing it, as the increased demand for it proves.

There is abundant evidence of the value of this "food tonic" idea in the actual practise of interested parties, but an added force is given by the unqualified indorsement of such men as Professors Winslow, Quitman and Finley Dun—men known everywhere as authorities on such subjects. They tell us that bitter tonics are necessary to strengthen digestion, that iron is the best known blood builder, that nitrates cleanse the system of poisonous matter, and these are the ingredients which enter into the proper "food tonic."

Using a "food tonic," then, becomes a practical farm economy—one of the steps which leads to satisfactory profit.

That it gives great returns is proved by well-attested experiments—in one case the outlay for the "food tonic" being returned with a profit of 235 per cent. In view of this fact we are led to this conclusion—no man owning live stock, farmer, feeder or breeder, is rich enough to leave the "food tonic" idea out of his calculation when business possibilities are considered.

Hog Proof Fence.

The DeKalb Fence Company, 739 Shukert Bldg., Kansas City, Mo., manufacture a fence especially designed for hog fencing. The closeness between cables, combined with the high grade of the galvanized wire used, together with the manner in which the stay wires are woven in the cables, make it one of the very best hog fences that can be pur-

chased. It is the closeness in the bottom of the fence, not extra height, that turns unruly pigs and hogs. The stay wires are woven in the cables. The company would like to send our readers a large illustration showing the full height of this fence, the exact size of the wires and the spacing between the cables. A postal card sent to the above address will bring this illustration to you promptly. This firm also manufacture the M. M. S. poultry fence. When writing for circulars or prices please mention THE KANSAS FARMER.

The Grange

Prairie Grange No. 1429.

EDITOR KANSAS FARMER:—The third annual grange fair, which was held at the Independence school house Saturday, October 26, was well attended by the grangers with their families and friends. In spite of the inclemency of the weather, under the supervision of Mr. Kramer, worthy Master, the day was declared a great success in every particular.

At noon each one present did justice to a bountiful dinner, which was served by the girls. Immediately after dinner the competition for prizes began which resulted as follows: Neatest apron made by girls under sixteen, Elsie Barrett, first prize; Mary Koch, second prize. Best loaf of bread made by girls under sixteen, Grace Dickson, first prize; Nettie Croyle, second prize; Mary Barrett, third prize. Heaviest ten ears of corn raised by boys under eighteen, Lee Firestone, first prize; Roy Croyle, second prize; Willie Firestone, third prize. Best display of grasses, Roy Carlat, first prize; Lee Firestone, second prize. Largest pumpkin raised by grangers, Claude L. Carlat, first prize; John Barrett, second prize; Claude L. Carlat, third prize. Largest head of cabbage, Mrs. J. P. Carlat, first prize; Mrs. J. W. Barrett, second prize. Largest ten potatoes, W. H. Reaser, first prize; Claude L. Carlat, second prize; Mr. Secrest, third prize. General display of farm products, J. P. Carlat, first prize; W. L. Firestone, second prize.

Twenty-rod race by men over forty years of age—Melvin Moran, first prize; G. W. Kramer, second prize; W. H. Reaser, third prize. Forty-rod race by men under forty years of age—Jesse B. Carlat, first prize; Claude L. Carlat, second prize; Roy Croyle, third prize. Twenty-rod race by girls under eighteen years of age—May McBride, second prize—Nellie Firestone, third prize. Twenty-rod race by ladies over forty years of age—Mrs. J. W. Barrett, first prize; Mrs. M. C. Carlat, second prize. Hitching and unhitching contest by boys under sixteen—Roy Carlat, first prize, time three minutes; Lee Firestone, second prize, time three minutes ten seconds. Best colt under one year of age—W. L. Firestone, first prize; J. P. Carlat, second prize; Sam Moran, third prize. Mule contest—W. H. Reaser, first prize.

For the benefit of the farmers who brought colts, but were not members, the sweepstake was given. Ten colts were entered but no prizes awarded. It resulted as follows: Konrad Why, first place; W. H. Reaser, second place; W. L. Firestone, third place. Blue ribbons were awarded Mr. Secrest on best white corn; W. H. Reaser on best yellow corn; Phillip Brown on best Kafir-corn; J. P. Carlat on best sweet potatoes.

The object of this fair is to increase the membership of the grange, and to encourage better work among the farmers. Next year we hope more farmers will enter the contests and help to make it a success. There is some rumor of building a hall, but no action has been taken.

Melvin Moran furnished music during the day on his graphophone. About one hundred and fifty people were present. L. B. C. and S. V. F.

No human power can help a farmer who, at this season, has no vegetable except potatoes. We can pick any of 15 things from the garden at any time. What do people live in the country for?

Horticulture

The Plant Louse.

I am sending you in a little box something which I found attached to a leaf on a cottonwood tree. I opened it and examined it with a microscope and found it to contain numerous bugs of some description. I would like to know what causes this and what kind of bugs they are?

Harvey County, Kans.

W. L. SEVERANCE.

This insect proves to be a plant louse; its scientific name being Pemphigus popul-transversus. This plant louse belongs to the family Alphididae and like several of its family, produces galls. This particular species produces the gall on the petiole near the base of the leaf. The life history of this insect is not well known.

While the insect is found over Kansas, Missouri, Colorado, and Texas, yet it is not considered as being of any economic importance. I do not know of any successful way of combatting it. It has not been found doing sufficient injury as to warrant any remedial treatment. GEO. A. DEAN.

Department of Entomology, Kansas Agricultural Experiment Station.

Missouri Horticulturists.

The semi-annual meeting of the Missouri State Board of Horticulture will be held at Columbia, Mo., December 3-5, 1907.

This will be the second semi-annual meeting of the horticulturists of Missouri under the management of the State Board of Horticulture. No pains have been spared in preparing the program which is made up of many interesting and important papers and addresses. The meeting being held in Columbia, where the Agricultural College is located, makes it one of special interest to all that may attend, giving them an opportunity to see what is being done in the scientific advancement of horticulture. This year has been possibly the most complete failure in fruit throughout the State in the history of fruit-growing, yet we should not be discouraged but prepare ourselves to care for and handle the bountiful crops that are to come. Let every fruit-grower who can, attend this meeting and help make it one of the best. Seventy-five dollars will be given in premiums on fruits, twenty-five on flowers.

Following is the program:

TUESDAY, DECEMBER 3, 7:30 P. M. Call to order—President C. M. Dutcher.

Music. Invocation—Rev. W. W. Elwang, Columbia.

Welcome to Columbia—Prof. H. J. Waters, Dean of Agricultural College. Response—President Dutcher.

Music. Subject to be selected—Miss Alice Kinney, Columbia.

"Some Facts About Ben Davis"—Louis Erb, Cedar Gap.

WEDNESDAY, DECEMBER 4, 9 A. M. Prayer—Rev. H. P. Horton, Columbia. Appointment of committees.

"Missouri at Jamestown Exposition"—Jas. M. Irvin, St. Joseph.

"Some Conclusions I Have Reached"—Geo. R. Murray, Oregon.

"Proper Culture and Care of Orchards"—Capt. Geo. T. Lincoln, President Arkansas State Horticultural Society.

"Commercial Orchardling"—C. C. Bell, Boonville.

"San Jose Scale"—Henry Myers, Bridgeton.

"The Codling Moth"—Roger S. Bennett, Neosho.

"Organized Efforts in Agriculture"—Hon. Geo. B. Ellis, Secretary of State Board of Agriculture, Columbia.

WEDNESDAY, DECEMBER 4, 2 P. M. "Orchard Sub-soil"—D. A. Robnett, Columbia.

"Apple Orchardling on the Mississippi River Hills"—Richard Dolton.

"Cooperation in Marketing"—R. T. Irvin, Springfield.

"Preparation for the Coming Crop"—S. Y. Thornton, Blackwater.

"Some Experiences of 1906"—J. R. Milno, Forbes.

"Does Fruit-growing Pay?"—L. C. Wilson, St. Joseph.

WEDNESDAY, DECEMBER 4, 7:30 P. M. Music. "Spraying the Commercial Orchard"—Prof. L. R. Taft, horticulturist, Michigan Agricultural College.

Music. "The Education of the Farmer's Boy"—Prof. S. A. Hoover, Warrensburg.

Music. "Teaching Horticulture in Schools"—Miss Jackson, instructor in horticulture, Kirksville.

THURSDAY, DECEMBER 5, 9 A. M. Prayer—Rev. M. L. Thomas, Columbia.

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and Nature's Perfect Healing Salve, for Man or Beast. Druggists, or by mail. Trial box 4c. 2 oz. 25c, 6 oz. 50c THE BALMOLINE CO., Sta. B., Abilene, Kans.

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Worms All Over the Ground.

Drexel, Mo., Route 2, Jan. 24, 1907. F. J. TAYLOR CO. Bag of Tonic received and I put it in box as directed. My hogs eat it fine and I think it has done them good from the worms I see scattered over the feed-lot. I believe it is all right, especially for hogs. Will let you hear from me when it is all gone. I remain yours for a fair trial. W. G. BRINKLEY.



Taylor's Stock Tonic does more than drive out the worms. It puts your hogs, cattle and horses in the pink of condition, makes them grow faster and stronger and prevents cholera, black-leg and all diseases arising from imperfect digestion. We want you to know all about our Stock Tonic so we will send you 50 lbs. on trial if you will send us this advertisement.

In 30 days you will send us \$2.00 for the tonic, or return the empty bag if it is not satisfactory, and there is no charge. We are sending out thousands of bags on this basis and practically every one is paid for. It shows the merit of the goods and the honesty of the farmers. Cut out this ad today and send it to us.

F. J. TAYLOR CO., 361 Live Stock Exchange, Kansas City, Mo.

Report of committees.
 Report of secretary, Geo. T. Tippin.
 Report of treasurer, T. H. Todd.
 Business items.
 "Pure Food Law and the Farmer"—
 Prof. R. M. Washburn, State Food and
 Dairy Commissioner, Columbia.
 "The Shading of Plants"—Prof. B. M.
 Duggar, Columbia.
 "Canning Factories"—Dr. Z. M.
 Hampton, Centralia.
 "Growing Tomatoes for Canning"—E.
 A. Kau, Centralia.
 THURSDAY, DECEMBER 5, 2 P. M.
 "Fertilizing the Soil for Strawber-
 ries"—W. L. Howard, Columbia.
 "Fertilizing From a Practical Stand-
 point"—J. B. Graves, Neosho.
 "Growing Strawberries"—Henry
 Schnell, Glasgow.
 "Proper Culture of Strawberries"—A.
 N. Banks, Neosho.
 "Large vs. Small Acreage for Profit"
 —R. T. George, Pierce City.
 "An Amateur in the Strawberry
 Patch"—John Bolton, Holden.
 "Practical Side of Peach-growing"—
 R. M. Hitt, Koshkonong.
 "Brown Rot-spraying and Apoll-
 ances"—Prof. F. W. Faurot, Fruit Ex-
 perimental Station, Mt. Grove.
 THURSDAY, DECEMBER 5, 7:30 P. M.
 Music.
 "How to Make a Boy Worth His
 Weight in Gold on the Farm"—Hon. A.
 P. Gray, Traverso City, Mich.
 Music.
 "Soils"—Prof. H. J. Waters, Dean of
 Agricultural College.
 Music.
 "Past, Present, and Future of Mis-
 souri Horticulture"—Hon. L. A. Good-
 man president of The American Pomo-
 logical Society, Kansas City.

Miscellany

Vinegar.

EDITOR KANSAS FARMER:—Vinegar is one of the earliest known acids, and the time and manner of its discovery is not a matter of record. In the Proverbs of Solomon we find: "As vinegar to the teeth and as smoke to the eyes, so is the sluggard to them that send him." This shows authentically that people had their teeth "set on edge" by the use of vinegar more than twenty-nine hundred years ago. It is very likely that the first knowledge of this acid came through the natural souring of wine, and we read that Noah was acquainted with the fermented juice of the grape.

Cider vinegar, when properly made, has been and is considered the most healthful as well as the best flavored vinegar offered on the market in commercial quantities. We need look no farther for the proof of this than the fact that vinegar, and so called vinegar that contained no cider, were colored and branded to imitate the product of the orchard, and put on the market at a price with which pure cider vinegar could not compete. Not all these vinegars contained deleterious substances, but all lacked the flavor, the natural acid (malic), and other properties that help to make the apple king of fruits.

The following law was put upon our Statute books in 1891: "Every person who manufactures for sale or exposes for sale as cider vinegar, any vinegar not the product of pure apple juice known as apple cider, or vinegar not made exclusively of apple cider, or vinegar into which any deleterious substance, drugs, or acids have been introduced, shall for each offence be punished by a fine of not less than fifty nor more than one hundred dollars."

This law has been knowingly violated since its publication in order that other vinegars might be sold as cider vinegar to the profit of the fabricators thereof, with the excuse that the law was not enforced. The enacting of the above law shows that our legislators were keenly alive to the merits of cider vinegar.

The executive branch of the law has not been adequate to enforce this pure vinegar act heretofore. But it is different now; there are competent officials whose special duty it is to look after this matter of misbranded and impure foods.

The following is copied from Circular 19, U. S. Department of Agriculture: "Standards of Purity for Food Products. Vinegar, cider vinegar, apple vinegar, is the product made by the alcoholic and subsequent acetous fermentations of the juice of apples, is laevo-rotatory, and contains not less than four (4) grams of acetic acid, not less than one and six-tenths

JUICY STEAKS

To repair waste tissue in an animal organism requires food. To make growth necessitates the giving of a greater portion, and to build fat on tissue—the end sought in putting a steer, hog, or sheep in market condition—calls for a very large consumption of nutritious elements. Now heavy feeding has a tendency to bring about derangement of the digestive organs. The wise feeder prepares the animal system against the steady and tiring strain which the stuffing process puts on both stomach and nerves.

He follows the suggestion of Dr. Hess (M. D., D. V. S.), who has formulated a prescription in which are found the elements long ago recognized as beneficial in building up and strengthening the digestion.

DR HESS STOCK FOOD

not only makes the ration digest perfectly, but it creates increased appetite or more. A steer fed with Dr. Hess Stock Food consumes, besides its grain, a larger amount of rough fodder, which of course makes the grain more available for fat forming, thus adding to the profit of feeding.

Dr. Hess Stock Food contains also iron for the blood and nitrates to act as cleansers of the system, which are endorsed by such men as Professors Quitman, Winslow and Finley Dun. It makes cows give more milk and keeps farm teams in fine condition.

Sold on a Written Guarantee.

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

Where Dr. Hess Stock Food differs in particular is in the dose—it's small and fed but twice a day, which proves it has the most digestive strength to the pound. Our Government recognizes Dr. Hess Stock Food as a medicinal compound, and this paper is back of the guarantee.

FREE from the 1st to the 10th of each month—Dr. Hess (M. D., D. V. S.) will prescribe for your ailing animals. You can have his 96-page Veterinary Book any time for the asking. Mention this paper.

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molybdenum, bismuth, and other minerals, value at \$200,000.

As heretofore, iron and coal are our most important mineral products, the value of the iron in 1906 being \$505,700,000, and that of the coal \$513,079,890. The fuels increased from \$602,257,548 in 1905 to \$652,398,476 in 1906, a gain of \$50,148,298.

These values of the mineral products of the United States in 1905 and 1906 are summarized by Dr. William Taylor Thom, of the United States Geological Survey, in an advance chapter from "Mineral Resources of the United States, Calendar Year 1906."

About Some Minor Crops of Kansas. SECRETARY F. D. COBURN.

Even those who are supposedly most familiar with Kansas agriculture would doubtless be somewhat astonished by the statement that the State in a given year produced a crop of hemp worth considerably over \$100,000. This was in 1874. At no time in the past 25 years, however, has the value of any output amounted to as much as \$12,000, and no hemp area has been reported in four of the past five years.

Another surprising feature shown by the record is that in 1881 nearly \$80,000 worth of tobacco was produced in Kansas. In 1883 the value of the tobacco crop was placed at \$77,840 and ten crops were over \$40,000 each in value. Last year's tobacco was reported as worth \$630.

No less interesting is the information gleaned from the statistics of the State Board of Agriculture that \$50,000 worth of cotton had been grown in Kansas in a single season, and in 1875 it was reported that growers in the southeastern part of the State were "enthusiastic in the conviction that it is ultimately to be the staple crop of these counties." While the conviction did not materialize several southeastern counties have for many years reported some cotton, and in no year have been without an acreage. Perhaps the largest was in 1888, when it aggregated for the State 2,150 acres, of which 800 acres were in Chautauqua County. It is believed that Chautauqua and Montgomery Counties have in the past produced cotton more persistently than any of

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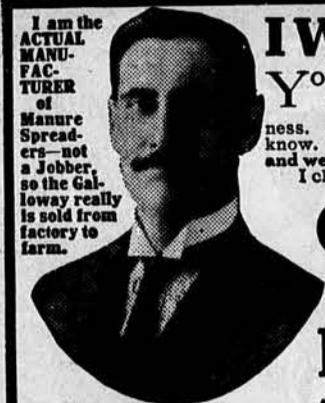
Kansas City, Mo. Opposite Union Depot. Everything first-class. Cafe in connection. Cars for the Stock Yards, the up town business and residence parts of the city and for Kansas City, Kansas, pass the door. Solid comfort at moderate cost. A trial will convince you.

the others, although this year Chautauqua is credited with only three acres, and Montgomery none.

From a cursory glance at the yearly tables of statistics it appears that nearly every county has experimented with the crop, as most of them have at one time or another had an acreage reported. It seems, however, what little cotton-growing there is has shifted from the southeastern to the southwestern part of the State, for Stevens is now the premier cotton county, having 158 of the State's 186 acres in 1907, and Seward, its neighbor on the east, ranking second with 17 acres. Seeking explanation of this situation it was attributed to the location of the cotton-gin in Oklahoma within about three miles of the cotton fields of Stevens County, where cotton is said to be raised with success, one farmer having so many as 110 acres in 1907. The Stevens County cotton is all raised in Voorhees township, by six growers.

Many counties have raised tobacco, but its growing in Kansas now seems mostly limited to Ellis County, which has 57 of the 61 acres reported for 1907, Rush being credited with the other 4 acres. It is reported by an Ellis County editor that every Russian farmer in Ellis County raises tobacco, and there are perhaps 500 Russian families here. Tobacco is grown here as easily as sorghum or Kafir-corn, and a few hills of well cured tobacco will keep a Russian supplied with the 'weed' for a year."

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his spreader alongside of the Galloway in the hardest kind of a test. I don't care what other spreader you try—it won't cost you a cent to try the Galloway at the same time. So it's certainly to your advantage to try the Galloway at no cost to you even if you do put up your money to try any other spreader. If the Galloway doesn't beat any other that you try, all you have to do is return it at my expense and you're not out a penny and you haven't risked a penny.

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Fits the wagon gears you already have.

Galloway of Waterloo Send me a postal and I will send you, absolutely free, my special proposition to you and the Best and Biggest Manure Spreader Book, Free.

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products presents a varied assortment. Judging from the records, however, it would seem that the list is likely to soon become somewhat modified, though probably not abbreviated. Hemp, after continuing in the yearly summaries for many years, dropped out several years ago, but sugar-beets came in. In the 1906 summary of values castor-beans shows the smallest, or \$405 for the State; tobacco next, its crop being valued at \$650; then comes cotton with its value at \$1,803. Buckwheat ranks next lowest, with a value of \$5,654. This value, too, was the greatest, with two exceptions, for any year since 1894. The early seventies it seems was the period of greatest popularity for buckwheat and in 1875 there was 13.35 acres devoted to its culture, which yielded 262,861 bushels, worth \$236,201. The annual area following was much less, and quite fluctuating. Interest in the crop seemed somewhat renewed for the six years ending 1892, and in this time the crop averaged annually 4,120 acres, with a yield of 55,679 bushels, worth \$43,390. Thereafter the area devoted to buckwheat was uniformly less. Its 1907 area was but 705 acres.

Observations.

GUY E. MITCHELL, WASHINGTON, D. C.

USEFUL PLANT IMMIGRANTS.

The agricultural explorers of the government are sending in from abroad hundreds and thousands of new kinds of plants and seeds every year for trial and test in different parts of the United States. Mr. A. J. Pieters, of the Bureau of Plant Industry has just made up a huge inventory of the seeds and plants imported by the Department for experimental purposes, covering a period from December, 1903 to December 1905—only 2 years—and it embraces nearly 7,000 items. It represents the collections of agricultural explorers Bolley, Bessey, Fairchild, Jones, Kearney, and others, made in all parts of the world. Whenever new or promising plants are found in any of the Old World countries, South America or the islands, it is an important part of the explorer's duty to secure all the information he can regarding the habits of the plants as observed in their native haunts, which may be helpful in establishing them in this country.

UNCLE SAM'S BIG EXPERIMENT FARM.

The lowland portion of the old Arlington Estate, once owned by General Robert E. Lee, and now being used as the Experiment Farm of the Department of Agriculture at Washington, has many interesting features—agricultural, horticultural, and floral. While the main idea of the farm is substantial utility experimentation, some striking ornamentation has been done here and there, about the house of the superintendent and some of the farm buildings. These, too, have their real use, as fortunes are expended every year for ornamentals while mere ideas of effective arrangement are oftentimes highly paid for. In one place, near the main flower house of the farm is probably as handsome a bed of fall annuals as can be found anywhere

—a great bank of cannas and castor beans edged with Coleus, the tallest of which stand twice as high as a man.

The old farm itself has been rejuvenated. Highly productive at one time, before the war, under General Lee's reputed able farm management, and with an unlimited number of blacks to work it, it later became badly run down and got to be one of the "waste places" around Washington. Now by a few years of fertilizing, sowing, and rotation, the soil has become highly productive and it grows every year beyond question the greatest collection of all kinds of farm and garden crops even seen in any market garden. Besides the testing of so-called improved strains and varieties of ordinary garden crops, there are many curious and unfamiliar foreign plants being "tried out," while great contrasts may be seen in crops, treated and untreated for fungous diseases, and in those where tests are being made of different kinds of fertilizing and various combinations of the elements of plant food.

COUNTY EXPERIMENT FARMS.

If every county with a farming population supported a well managed experiment farm it would be a good, paying investment for the community. Take, for instance, a single test in corn growing—something that everybody thinks he knows all about—of the Randolph County Experiment Farm, Indiana. Twenty-eight varieties of corn were tested, and the work of the first year alone shows valuable results. While the farms of the county are shown to possess some very valuable strains or varieties of corn for their localities, it is also very clearly shown that a great many farmers are carelessly growing varieties not of the highest producing power; also that most of the imported varieties did not produce so well as the home grown varieties.

Nearly all, if not all, of the various State Experiment Stations are doing helpful work; but the work of no single station can possibly cover or be taken as a safe guide for all the varied conditions found in the State. The county experiment farm comes much nearer to meeting local conditions. It would naturally work in cooperation with the State experiment station and with the National Department of Agriculture.

North Dakota has not attempted to establish county farms, but she is working along these lines with the recent establishment of six demonstration farms in different parts of the State. Five years' work has been mapped out for these farms, the object being stated to be, in each case, to determine what crop rotation is best for that particular neighborhood in order to build up the soil fertility.

GUTTERAL EXPRESSIONS IN SHEEP.

With some 70,000 pounds of "catgut" used annually in Germany alone in the manufacture of violins, guitars, and other musical instruments, it would seem that not only should the Fatherland be catless, but that serious inroads would be made among the ranks of Felis domesticus in other countries. It develops, however, that the production of "catgut" does not disrupt the digestive tract of

the cat at all. They are manufactured exclusively from the intestines of the sheep. As high as \$3 a pound is paid for the best grades of English "gut," but none is produced in the United States. There is a movement afoot to utilize the best of the product of American abattoirs and thus secure for us a share of this lucrative trade. STILL ROOM FOR PEOPLE AND INDUSTRY.

The famous British novelist and social writer, H. G. Wells, author of the War of the Worlds, The First Men in the Moon, etc., has recently made a tour of the United States. Living in closely settled England, his impression of America, while a bit startling to Americans, is perhaps not unnatural. "America" he says, "is still an unsettled land, with only a few incidental good roads in favored places, with no universal police and wayside inns where a civilized man may rest, with only the crudest of postal deliveries and with long stretches of swamp and forest and desert, along the railroads, still unassailed by industry."

We are "getting there" though, and if this had been Mr. Well's second visit, after an interval of fifteen or twenty years, he might have found changes that would have made him admit that progress in America is anything but slow. However, we may well be glad that we still have spare places on the land to support an increased farm population and balance the growing city influx.

COLOSSAL SUM FOR ADVERTISING.

James B. Duke, the head of the tobacco trust, who began life, penniless on a North Carolina farm, just following the war, said recently that he had doubtless spent more money in advertising than any other living man. "How much it is I can not say" he declared, "but I know that in one way and another I have given out 50 million dollars to make my goods known. Some of that money I used in advertising my goods in England and it not only made a market there for my goods but it made a market there for the goods of other American manufacturers. I think my advertising is responsible for the export of American tobacco goods to England."

Chicago's Great Live-Stock Show November 30 to December 7, 1907.

The ever-growing popularity of the International Live-Stock Exposition is becoming more apparent each year, which fact is evidenced by the phenomenal increase in the number of exhibits entered for this year's event.

At the 1907 exposition there will be about 1,300 pure-bred cattle, fully the same number of pure-bred and imported sheep, nearly half a thousand of the finest specimens of swine and nearly 700 beautiful high-bred horses. The show will not only be greatly increased and improved in its exhibits this year, but the Union Stock Yards Company has again evidenced its liberality and enthusiasm for the improvement of live stock by expending a handsome fortune in providing additional facilities for this great live-stock exposition. The sheep exhibitors will be given new, bright, and cheerful quarters, and an enormous,

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AMERICAN POLAND-CHINA RECORD.

We are in receipt of Volume 49 of the American Poland-China Record sent us by the secretary, W. M. McFadden, Chicago, Ill. This volume contains the pedigrees of boars from No. 122983 to No. 126017, and the recorded pedigrees of sows from No. 304204 to No. 312000. This is the third volume of pedigrees that has been issued by this association this year which indicates that the American Poland-China Record has the patronage of the breeders in all parts of the United States.

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The Youth's Companion Calendar for 1908.

The publishers of The Youth's Companion will, as always at this season, present to every subscriber whose subscription (\$1.75) is paid for 1908 a beautiful Calendar for the new year. Four paintings by artists of distinction are reproduced in the four panels of the Calendar by a process of color-printing which has been recently brought to remarkable excellence. The first of the panels is an inspiring sea scene, full of the beauty of the wide ocean and sky, and the joyous rush of the homeward-bound ship. The second is a fine cattle piece. The third picture an old mill at Zaandam—typically Dutch in treatment. The fourth panel depicts a "girl with roses"—a charming face, exquisite in color and expression. All the pictures are worthy of preservation long after 1908 has passed into the good old times.

Agriculture

Sow Alfalfa in Early Fall.

EDITOR KANSAS FARMER:—My subscription is out, so I renew today. THE FARMER is a most valuable paper, and it helps me to do my farming better. There are many things I often want to know and by waiting and reading carefully I find the answer comes.

I want to say a few words in regard to alfalfa in this part of the State, Douglas County. The proper time to plant it is in the fall as I have found by trying both fall and spring seeding. Last fall I got a piece of ground in good order and sowed twenty pounds to the acre. It came up, all over, splendidly. I cut three crops from it this season and turned it into cash. This piece I sowed broadcast by hand, being very careful to cover all the ground, then harrowed once. It was a splendid stand. I planted one bushel early this spring. I had good seed; received it from Osborne County. It came up as the first I walked over the ground and I was proud of the fine stand. But alas, it is the sickest piece I ever saw. The crab grass came, so quickly and seemed to smother it. I cut it twice and got nothing. I thought it best to leave it till spring, then if there is no stand I will plow it up. So I lose one year and get nothing. J. H. Hook. Douglas County.

Thorough Preparation of the Soil for Alfalfa.

PAPER BY PROF. D. H. OTIS, OF WISCONSIN AGRICULTURAL COLLEGE, READ BEFORE THE SHAWNEE COUNTY ALFALFA CLUB.

As alfalfa seed is high in price and when once established the plants are to remain for a series of years, it is especially important that a good stand be secured. This point is further emphasized by the fact that it is difficult to fill in thin or bare spots in an alfalfa field.

The first point to consider in the preparation of the soil is to free it as far as possible from weeds. This is preferably done by planning ahead two or three years and seeding either to crops that will choke out the weeds or to cultivated crops that will be tended so thoroughly that no weeds will be allowed to grow.

Under Kansas conditions, early fall seeding of alfalfa will materially help out the weed proposition. I have seen a field badly infected with weeds seeded to alfalfa in the fall and the alfalfa came on early and with much vigor in the spring and, with the frequent mowing of the hay crops, practically choked out or subdued the weeds. An adjoining field similarly located, and similarly infected with weed seeds, but seeded to alfalfa the following spring had a life and death struggle with the weeds, and although the alfalfa finally won out, there was no crop of hay for a year after seeding.

The second point in regard to the preparation of the soil is its physical condition. The plowing should be done when it will pulverize in good shape and not when it works up lumpy. Although alfalfa seed requires a finely pulverized soil, it also requires that soil firmed with capillary attraction established with the moist soil below. This can be accomplished in two ways, either by early plowing followed by beating rains or artificially with some packing implement. For this latter purpose the subsurface packer is the best implement that I have tried. With it land can be packed immediately after plowing and where time is short or work is rushing, the seeder can follow the packer. Care should be taken that the packer be sufficiently weighted to do a good job. On heavy clay soil I found it necessary to have the packer weigh about a ton, and it required two strong teams to pull it.

The third point in regard to preparing the soil is to have it sufficiently stocked with available nitrogen to give the young plants a vigorous start.

For this purpose some leguminous crop, like soy-beans or cow-peas, serves an excellent purpose as a fore-runner for alfalfa. Alfalfa, while a nitrogen gatherer and enricher, must have plenty of valuable nitrogen while young. After once established and having plenty of root tubercles, alfalfa will take care of itself as far as nitrogen is concerned.

In the fourth place alfalfa requires well drained soil. If the location does not furnish natural drainage and it is not practicable to tile drain, much good can be accomplished by so plowing the land as to throw the dead furrows the proper direction and distance to rid the soil of surplus surface moisture.

My fifth and last point is the leveling of the surface prior to seeding. If the catch is successful, the alfalfa field will remain a meadow for a number of years, there will be no opportunity for removing sink holes or other irregularities in its surface, which on clay soils, not only have a tendency to hold water and kill out the alfalfa, but which materially interferes with the machinery used in harvesting the crops. For leveling purposes a float is sometimes used; a road drag is better; if an extra level surface is desired, there is nothing that will do the work like a road grader with the blade set at right angles to the line of draft. Of course, it is assumed that all stumps and large stones are removed prior to seeding alfalfa.

When we consider that alfalfa is a permanent crop, that it is a soil enricher, that it produces the largest amount and the best quality of rough feed known, there is no danger of spending too much time on the preparation of the soil.

Preparation of the Seed-bed for Alfalfa.

LETTER FROM DR. HENRY WALLACE, DES MOINES, IOWA, TO THE SHAWNEE COUNTY ALFALFA CLUB.

In accordance with your request I drop you a line as to the preparation of the seed-bed for alfalfa and the management of weeds in alfalfa, though I am sure that your people who have had experience in growing it are better advised on the subject under your conditions than I am.

The great enemy of alfalfa is weeds, weeds that come in the fall and weeds that come in the spring. Therefore, it is not wise to sow alfalfa in land as rich as either your land or ours, unless in some way the land has been given thorough preparation. Perhaps the best thing I can do is to tell you how we handle our alfalfa here, where weeds give more trouble than in Nebraska.

Here we sow altogether in the fall. We like to have a heavy crop of something on the ground early in the season, something that will keep down the weeds. Then as soon as possible after this crop is off we prepare the seed-bed by plowing, if necessary, but usually by thorough disking during July and the first part of August, the object being to sprout the weed seeds and kill the young weeds. We go over the field a number of times with disk and smoothing harrow. Then we sow the alfalfa when there is moisture enough to germinate the alfalfa, and have no trouble with weeds, provided we get a good stand, until the second year. When the field is treated as I have described, the weeds that trouble us most here are white clover and blue grass, and we avoid these by disking the alfalfa thoroughly in the spring. I believe this method would work with you in Kansas, wherever you have rain enough in the late summer and fall to germinate the alfalfa and give it a good start for winter, so that it can weave a blanket for winter protection, so to speak.

In Nebraska we can not sow in the fall because we can not count on rain. There we sow in the spring and have to depend on the mower to fight the weeds. We mow the field as often as necessary in order to keep down the weeds.

I should think that under your conditions the best plan would be to put alfalfa on land which has grown a crop of some small grain, getting the grain

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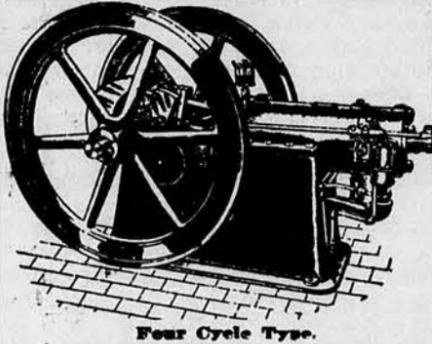
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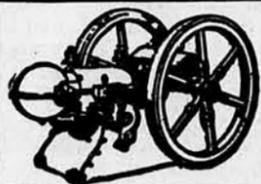
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off as early as possible, and then preparing the seed-bed by thorough disking several times, sprouting as many weed seeds as possible, and killing them with disk and harrow. Or, if you have a crop of early potatoes, they would leave an ideal seed-bed for alfalfa. After a heavy stand has been established, the only way I know of to avoid weeds is thorough disking every spring.

Indian Corn.

FROM KANSAS EXPERIMENT STATION BULLETIN NO. 147, A. M. TENYOK AND V. M. SHOESMITH.

(Continued from last week.)

BREEDING KANSAS SUNFLOWER CORN.

Two samples of Kansas Sunflower corn were planted in the variety trial in 1903. One of these samples, Bulletin No. 5, was secured from the Barteldes Seed Company, and the other, Bulletin No. 6, was secured from John Moody, Eudora, Kan., the originator of this variety. Our present breeding-stock of Kansas Sunflower corn has descended from these two samples. Adjacent plots of each sample were planted in a separate field in 1903, and six of the better ears from the Moody sample were planted in separate rows in an ear-row breeding plot. With only a small number of breeding ears, this first breeding trial was a remarkable success, since it discovered a great individual ear, a high yielder and a prepotent breeder, which after four years of ear-row breeding has become the mother ear of eight out of ten of the largest-producing ears planted in the 1906 ear-test No. 1.

The breeding work with the Kansas Sunflower corn has been less extensive than with other varieties. Only a few of the very choice ears from the highest-producing rows have been planted in the breeding plot each season, until 1906, when a second ear-test plot was started with new ears

would be interpreted as follows: Ear No. 112310 was the tenth breeding-ear selected from mother ear No. 1123, which was the third breeding-ear selected from mother ear No. 112, which was the second breeding-ear selected from the original mother ear No. 11. New breeding-ears which are introduced into the ear-test should be numbered in regular order, the same as would have been the case had they been included when the ear-test was started. Thus in 1905 thirteen new ears were planted in Kansas Sunflower ear-test No. 2, and these ears were given numbers as follows: 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, and 19.*

In table XX are given the yield, percentage of good corn, and total grade or score of the corn produced from each ear-test row in each of the four breeding trials. The mother ears for each succeeding generation and the number of breeding-ears selected from each mother ear are denoted in separate columns, while the asterisks in table XX marks the mother ears from which no breeding-ears were selected for future planting.

The breeding-ears for 1907 were planted May 8, a few weeks before this bulletin was published. Thirty-five ears were selected as shown in table XX,† and it will be observed that twenty-seven of these ears trace directly to the highest-producing mother ear, both in 1904 and 1903, while the other eight ears trace directly to the second highest-producing mother ear in 1903. The record made by these three mother ears indicates that these individual ears not only had a capacity to produce large yields, but also that they were superior breeders, with power to transmit their desirable characters to succeeding generations. Observe also that the highest-producing ear (No. 2233) in the 1906 ear-test has a direct line of descent through each of the highest-pro-

continuously, but which were not included in the comparative rotation experiment. Since corn after corn has not given as large yields as corn after some other crops, this may have given the rotation experiment field somewhat the advantage of the ear-breeding plots. The average yield of the ear-test plots in 1904 and in 1905 was less than the yield of the general field for the same years, but in 1906 the average yield of ear-test plot No. 1 was 65.5 bushels per acre, or 5.2 bushels more than the average yield of all the rotation plots. (Twenty-four plots; about eight acres.)

OTHER BREEDING TRIALS.

The McAuley corn has been bred by the ear-row method for three years, the Boone County White and Legal Tender varieties have been bred two years, and the Hogue Yellow Dent, one year. The results of these trials are interesting, but similar in most respects to those already presented. The White Injun is a cross-bred corn which has not yet become sufficiently fixed in type to be called a pure-bred variety.

One feature brought out more strongly by the Boone County White ear-test than by the other ear-tests is that detasseling is apt to injure the corn and result in a lower yield of less perfect ears from the detasseled rows than may be secured from adjacent tasseled rows. In 1903 the highest-yielding ear row (No. 12) was not detasseled, the second and third highest-yielding rows (No. 2 and 8) were detasseled, while the ear rows (Nos. 4, 6, 7, 1,) ranking fourth, fifth, sixth, and seventh in yield were not detasseled. It was decided to select breeding ears both from the high-yielding tasseled and detasseled rows, and twenty-one ears were selected from the tasseled and twenty-two from the detasseled ear rows for future planting. These ears were carefully ar-

TABLE XX.—Breeding record of Kansas Sunflower corn.

1903.			1904.			1905.				1906.				1907.				
Ear No.	Yield per acre, bu.	Breeding ears selected from ear No.	Ear No.	Yield per acre, bu.	Percentage of good corn.	Breeding ears selected from ear No.	Ear No.	Yield per acre, bu.	Percentage of good corn.	Total score, per cent.	Breeding ears selected from ear No.	Ear No.	Yield per acre, bu.	Percentage of good corn.	Total score, per cent.	Breeding ears selected from ear No.	Ear No.	
1	75.0	1	11*	28.0	75	221	221*	48.0	50	75	221	2211*	64.7	79	80	2231	22311	
																		22312
																		22313
																		22314
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*Discarded the product of this ear and made no selection for further breeding.

selected from the general field in 1905. All the breeding ears in ear test No. 1 in 1906 trace directly to two of the six original ears, planted in 1903. Table XX has been prepared in order to illustrate more clearly this method of line breeding and also to present the interesting results of these breeding trials with the Kansas Sunflower corn. This table also presents a simple plan of numbering by which the breeding of an individual ear may be traced back to the original mother ear, namely, cut off the right-hand figure of any ear number and the remaining figures is the number of the mother ear of the previous generation. When more than nine original mother ears are used, a bar should be placed over the digits which indicate the number of such ear, and the bar may be used in the same manner when more than nine ears are selected for breeding stock from the product of a single mother ear. For example: 112310

ducing mother ears of the three preceding generations, while the second highest producing ear (No. 2252) in 1906 traces back through the second highest-producing mother ear in 1905 to the highest-producing mother ears in 1904 and 1903; a further proof that like will produce like with plants as well as with animals, and that the ear-row method of breeding is an efficient and practical means of improving the breeds of corn.

The reader will observe that the highest ear-row yields were secured in 1903, the first year of the test. However, a comparison of ear-row yields in different seasons can hardly be made with fairness because of the variation in climatic and soil conditions. The field yields for each of the year years, 1903, 1904, 1905, and 1906, have been determined as follows: 66.7 bushels, 44.9 bushels, 54.4 bushels, and 59.3 bushels, respectively. For the past three seasons the Kansas Sunflower corn has been grown on the rotation plots, and the ear-test corn has been planted each year in plots in the same field which have grown corn

ranged in pairs and planted in such order that the ears from the detasseled "mother" rows alternated with the ears from the tasseled "male" rows.

The alternate rows planted with seed from the detasseled rows of the previous season were again detasseled in 1906, while the tassels were left on the rows planted with seed from the tasseled rows of the 1905 ear-test. The results were remarkable: The eight highest-producing ear rows in 1906 were the tasseled rows from seed directly descended from tasseled rows, ears 1, 7, 11, and 12 of the 1905 ear-test. The yield of these eight highest-producing ear rows ranged from 94.1 to 63.9 bushels per acre, while the highest-producing detasseled row yielded only 61.3 bushels per acre. The average yields were determined as follows:

- Yield from the detasseled rows, 44.1 bushels per acre.
- Yield from the tasseled rows, 58.2 bushels per acre.
- Average yield for ear-test plot, 51.2 bushels per acre.

*Not given in table XX.
†Eleven ears were selected from two of the highest-producing mother ears in ear-test No. 2, but are not included in table XX

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Similar results, though not so marked, have been observed in other ear-tests with other varieties of corn. Many corn breeders have urged the necessity of detasseling part of the breeding ear rows and selecting seed ears from the detasseled plants in order to prevent self-fertilization and too close line-breeding. It appears, however, that actual injury may result from detasseling; at least no great harm will result by allowing the tassels to remain on all desirable plants on all the breeding rows for the first two or three years of ear-row breeding. Later "new blood" should be introduced by planting "new" ears which have been proved desirable in a preliminary ear-test, when it may be desirable to detassel some of the better-bred ear rows in order to insure crossing with other desirable ears used as males.

"NICE" EARS VS. "GOOD" BREEDERS.

Some farmers object to the use of the score-card in selecting seed-corn, claiming that the "nice" ears of corn which would be scored high by the judge may not be "good" breeders. It is true that the highest scoring ears of corn are not necessarily the best breeders, but it is equally true, as shown by the breeding experiments described above, that high producers are usually high-scoring ears, namely, a "nice" ear is not always a "good" breeder, but a "good" breeder is always a "nice" ear of corn. Well-formed ears and well-developed kernels, as required by the score-card, are certainly associated with a large yield and a good quality of grain. Moreover, the actual facts, as presented in the ear-test, bear out this statement. With few exceptions, the highest-yielding corn has always been the corn which scored high. Not only does the record of the breeding show this, but the writer made a careful observation on this point last season and in examining some four hundred piles of corn, the product of four hundred different ears of several breeds, it was often easy to observe without scoring the corn that the largest piles contained the breediest and most uniform-looking ears.

SUGGESTIONS ON SELECTING AND SAVING SEED-CORN.

Although the breeding of corn and the distribution of pure seed-corn by the experiment station is a very important step toward the improvement of corn in this State, yet permanent improvement in the yield and quality of this crop will come only through the work of the farmers themselves in the practice of better methods of selecting and saving seed-corn. Many farmers husk corn late in the fall, throw it into cribs where it is exposed to cold, snow, and vermin, and after feeding or selling a large part of the crop they select seed-corn from what is left the following spring, often only a few days before planting. Corn can not be improved by such method of seed selection, and many times the farmer is put to a great loss or expense by the fact that the corn sprouts poorly, giving a thin stand or no stand at all, necessitating replanting.

In the breeding of corn it is very important that the seed ears be selected from the field after the corn is fully mature, but before hard freezing weather occurs. Observe the stalk as well as the ear, choosing ears which are placed at a proper height, on vigorous, leafy stalks. Select the large, well-developed ears which bend downward rather than those which point upward, and have very large shanks, making them hard to break off the stalk. On the other hand, ears which have long, slender shanks are not desirable. Select for uniformity in maturity, and if the corn is inclined to be late in maturing, it is well to choose, earlier-maturing ears.

In picking seed-corn it is important to select for a well-developed good type of ear and kernel, but even more care should be taken to select from a good plant, and to select for uniformity to type in stalk, height of ear on stalk, and maturity of corn. A more careful study of corn may be made during the winter, when the farmer

has the time, and the choicer ears selected for future planting.

Choose ears which are cylindrical in shape, nine to eleven inches in length, and seven to nine inches in circumference, according to the variety. Do not pick the long, slim ears, because this type of ear invariably has a relatively large cob and shallow kernels. Select ears having straight rows of deep, medium rough, slightly wedge-shaped gernels, and which are well filled at the butts and tips. The corn should be firm on the cob. Avoid ears with smooth kernels, which tend to become round or peg-shaped near the tips of the ears. A smooth ear usually has a shallow kernel, while a deep kernel goes with a rough or medium rough indentation. Kansas Experiment Station Bulletin No. 139, "A Study of Corn," gives further information regarding the selection of seed ears by the use of the score-card.

A good plan to follow in picking seed-corn from the field is to begin selecting several rods from the border of the field. (The corn on the outside of the field is more apt to be crossed with pollen from other fields.) Carry a sack or basket, and examine the ears which appear to be suitable, picking the choicer ears. Take two rows at a time, and at the end of the field empty the seed ears into sacks or a wagon-box. In this way one man should pick the seed ears from several acres of corn in a day, and if a farmer is picking seed-corn for his own use only, one day's picking should secure an abundant supply of good seed-corn for the next season's planting. If you have a good, pure variety of corn, it will pay you to save plenty of seed. Sort the corn over carefully during the winter, retaining the better ears for your own planting, selling the second grade to your less provident neighbors who have failed to select seed-corn in the fall. There is always a sale for good seed-corn at a fair price.

Seed-corn should be thoroughly dried and kept dry until planting time. Dry corn which is stored in a dry place will not be injured by freezing. Hang the corn in a well-ventilated room. The kitchen attic is a good place to cure seed-corn, or a shed will do, provided birds, chickens, rats, mice and other vermin can be kept from injuring the corn. In a couple of months when the corn is well dried, the ears may be put into sacks and the sacks hung by wires in the attic, tool-house, wood-shed, corn-crib, or any dry place. Do not store seed-corn in the barn or stable, because the corn is apt to absorb moisture and be injured by freezing. Corn-breeders who make a business of growing and selling seed-corn will require special rooms and crates or drying racks for curing and handling a large amount of seed-corn.

Seed-corn should not be shelled until near planting-time, but early in the spring the germination of the corn should be tested, the poor ears discarded and the good ears shelled and the corn made ready for planting. (To be continued.)

With all stock the food supplied should always be selected to produce the results desired in the best manner possible, changing or varying as may seem necessary or best to secure that end in the shortest time and at the lowest cost.

A farmer writes us that he got in hay on the eight-hour system—that is, eight hours before dinner and eight hours after.

JOB PRINTING.

THE KANSAS FARMER is equipped to do a general line of job printing such as commercial printing, folders, pamphlets, briefs, blanks, circulars, visiting cards, wedding invitations, etc. We make a specialty of fine stock printing—catalogues, stationery, cards, sale bills, etc., and have on hand an assortment of cuts representative of the breeds.

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In the good old-fashioned days of our grandmothers few drugs were used in medicines and Lydia E. Pinkham, of Lynn, Mass., in her study of roots and herbs and their power over disease discovered and gave to the women of the world a remedy for their peculiar ills more potent and efficacious than any combination of drugs.



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is an honest, tried and true remedy of unquestionable therapeutic value. During its record of more than thirty years, its long list of actual cures of those serious ills peculiar to women, entitles Lydia E. Pinkham's Vegetable Compound to the respect and confidence of every fair minded person and every thinking woman.

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No other remedy in the country has such a record of cures of female ills, and thousands of women residing in every part of the United States bear willing testimony to the wonderful virtue of Lydia E. Pinkham's Vegetable compound and what it has done for them.

Mrs. Pinkham invites all sick women to write her for advice. She has guided thousands to health. For twenty-five years she has been advising sick women free of charge. She is the daughter-in-law of Lydia E. Pinkham and as her assistant for years before her decease advised under her immediate direction. Address, Lynn, Mass.

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2-ply Flint Coat Roofing . . . 1.90	2-ply Acme Rubber Roofing . . . 2.10
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POVERTY AND WEALTH.

The stork flew over a town one day,
And back of each wing an infant lay.
One to a rich man's home he brought,
And one he left at a laborer's cot.
The rich man said, "My son shall be
A lordly ruler o'er land and sea."
The laborer sighed, "'Tis the good God's
Will
That I have another mouth to fill."

The rich man's son grew strong and
fair,
And proud, with a pride of a million-
aire.
His motto in life was, "Live while you
may."

And he crowded years in a single day.
He bought position and name and place,
And he bought him a wife with a hand-
some face.

He journeyed o'er the whole wide
world;

But discontent in his heart lay curled,
Like a serpent hidden in leaves and
moss,
And life seemed hollow and gold was
dross.

He scoffed at Woman and doubted God,
And died like a beast and went back to
the sod.

The son of the laborer tilled the soil,
And thanked God daily for health and
toll;

He wedded for love in his youthful
prime,

And two lives chorded in tune and time;
His wants were simple, and simple his
creed.

To trust God fully,—it served his need,
And lightened his labor, and helped him
to die

With a smile on his lips and a hope in
his eye.

When all is over and all is done,
Now which of these men was the rich-
one?

—Ella Wheeler Wilcox.

No One Liveth to Himself Alone.

A little disturbance of a body of water, like the dropping of a pebble into it, goes on wave after wave, even after the eye has lost sight of it. Every action and thought also affects the lives of others long after they are forgotten by the one who commits them. One who was past the prime of life, who had just begun to walk on the side of life where the shadows fall, looking up from a thoughtful reverie said: "I realize more and more every day that we can not live to ourselves alone, however much we may wish to do so, and if we only could realize this early in life, how much happier our declining years would be. The latter part of man's life ought to be the best, but if he sees now and then results that have come from mistakes and follies in earlier life, it brings remorse and regret that destroys the peace and joy that naturally belong to this time of life. If my mistakes and sins affected only myself, it would be less grievous to endure, but I see in my children's lives things that I am responsible for and it grieves me to see them suffer and have to fight against tendencies that come to them through acts of my own."

We often hear people say as did a woman the other day: "I should think I am old enough to do as I please and do not see why my people do not let me alone." She was complaining because of the solicitations of her mother and sisters who did not wish her to live alone and feared she would make herself ill by overworking. While each of us must live our own lives, we must not forget that our lives are closely allied to the lives of others. That we can not be too independent but should consider the wishes and wisdom of those who love us and whose lives touch ours so closely; knowing that if we bring upon ourselves illness or misfortune others will suffer with us. When we are on beds of sickness what helpless, dependent creatures we are! Our loved ones must care for us then and their anxiety and sorrow for us in our pain and suffering is hard for them to bear. Thus, in directing our own lives let us also consider those who are affected by our actions. Would it not be well to eliminate from our thoughts the selfishness of the thing as much as possible, and in our conduct think how it will affect others? If we keep ourselves strong and well, if we are cheery and hopeful, we make sunshine for others, and while we make sunshine for others we ourselves can not

walk in darkness but are in the very midst of light.

The present financial condition is a good illustration of the truth of the saying that 'none of us liveth to himself.' A little ripple in the financial sea reaches from the Atlantic even to the Pacific, yes, and further. A few people might, with a consolidated effort, wreck the fortunes of thousands and throw as many out of employment and reduce them to penury and want. And on the other hand, a few have thus far, by wise forthright and prompt action, saved the country from a financial panic. It is a good sign. It displays and altruistic spirit. It shows that humanity does realize this dependence, one upon another, and that man must not be entirely selfish in his actions but each must consider the interest of others. If this spirit shall continue a while longer and those who have money in banks consider the interests of their fellow countrymen, and not withdraw it and hide it away out of circulation, this little trouble will soon be over, but if many had done as one man did who went to the bank and demanded payment of a check saying, "It is mine and I shall have it," and appeal to the courts for assistance, a fearful panic would surely follow. This man said he did not need the money but was going to have it. He looked no farther than himself and his own. He did in no wise consider his neighbor or his neighbor's interest, but before he dies he may realize fully that "none of us liveth to himself."

Chew Your Food.

One of the latest health fads, says the Duluth Herald, has every appearance of being an uncommonly good one.

It is nothing more or less than to chew your food before swallowing it. You say you do chew your food, but, unless you are vastly different from the majority of people, you don't do anything of the kind. You come about as near bolting it whole as you comfortably can. That lets your teeth and jaws out of the duty they were made to perform and throws the burden upon the stomach, which was never made to do such work.

The theory of the new fad is that you should make a point of chewing your food until there is nothing left to chew. Then you will get the real taste out of your food, you will enjoy it twice as much, and your stomach, with an easy task before it, will put you into a glow of well-being and physical comfort. The digestive tract will be so happy over the new experience that it will make your whole system sing with joy, and you will not only get twice as much pleasure out of eating, but twice as much nourishment. And after all, though many forget it, strength and nourishment are what you eat for—not to satisfy hunger. Hunger is merely the animal instinct that tells you when it is time to store up more nourishment.

The fad has become pretty widespread under the leadership of one Fletcher, who has given his name to it, and you will note in many eating places sober gentlemen solemnly chewing away for dear life. They are advocates of Fletcherism.

Irving Fisher, a Yale professor of political economy, has just published the results of some experiments made with nine Yale students, beginning in January and lasting about five months. The purpose of the experiments was to show whether thorough mastication of food increased its nutritive efficiency, especially its strength-producing efficiency.

The test was a vindication of Fletcherism. The students continued to lead their accustomed lives, mostly sedentary, and they made no particular change in diet, eating what they relished. But what they ate they

chewed. They chewed it until it couldn't be chewed any more. They found in this method increased enjoyment for the palate and vastly improved digestion. Furthermore, they found that they ate less, because they got more out of what they did eat than they did when they were bolting food nearly whole, and they needed less, therefore. In June they had, entirely through preference, reduced their consumption of meat to one-sixth of what they had at first thought necessary. They were increased fifty per cent in their powers of endurance, and were able to do twice as much physical work, as shown by the gymnasium tests, as they could do in January.

This method of getting health and strength is sensible. It is cheap. Try it.—American Food Journal.

Starting the Week.

Once again the Sabbath's journeyed to the land of yesterday, and we face a week of labor, with its trials and its pay; and the week may bring us troubles, and the week may bring us pain, for the sun must have vacations, and the world must have its rain. Let us start each new week bravely, "with a heart for any fate," and if we must have affliction, let us take our trouble straight; let us take the pills of sorrow as a hero takes his dope, though they are not sugar-coated with misleading layers of hope. For the man who meets his troubles with a glad and cheery face, is most certain to defeat them, and to kick them from the place; while the chap who faces worries with a weak and timid eye, will be counted out and vanquished, for they'll smite him hip and thigh. Mostly all our worldly worries we are making for ourselves; and when once we've gone and made them, let us place them on the shelves.—William Allen White.

Tried Recipes.

Mince Meat.—Take 6 pounds of scraggy beef (a neck piece will do) and put to boil in water enough to cover it; take off the scum that rises when it reaches the boiling point, add hot water from time to time until it is tender, then remove the lid from the pot, salt and let boil till almost dry, then take from the fire and let stand over night to get thoroughly cold; pick bones, gristle or stringy bit from the meat and chop very fine, mincing at the same time three pounds of beef suet; wash and dry 4 pounds of seeded raisins and 4 pounds of currants, chop fine 4 quarts of good cooking apples; put in a large pan together, add 2 ounces cinnamon, 1 ounce of cloves, 1 of ginger, 4 nutmegs, the juice and grated rind of 2 lemons, 1 tablespoon of salt and 2 pounds of sugar. Put in a kettle 1 quart of cider, 1 quart of molasses, a lump of butter; let it come to a boiling point and pour over the ingredients in the pan and mix altogether thoroughly.—Miss Clara Betts, Sterling.

Mock Mince Meat.—Since apples are scarce and meat is high priced the following recipe will be welcomed by the housekeeper. I have tested it and find it is excellent. It may be made richer and is certainly more wholesome by the addition of a pound of chopped suet and currents, citron, and any other fruit and fruit juices: 1 peck green tomatoes chopped (I drain mine in colander over night), pour off the liquor and put on as much fresh water and boil 20 minutes, add 3 pounds brown sugar, 2 pounds raisins, chopped a little, 2 tablespoons salt, 2 dessertspoons cinnamon, 2 dessertspoons nutmeg, 2 dessertspoons of cloves. When nearly cooked, add 1 cup vinegar, put in cans and seal. This makes over 9 pints. Try it and report.—Aunt Lizzie, Avonia, Pa.

To find out the most rapid transformation of soft into hard, let some man with a naturally poor hand run a soft pencil over a soft paper and then try to read his words.

A carload of strawberries in Portland, Oregon, was dumped into the water, as we are told to prevent a glut in the market and hold up prices.

How Good Food may Turn to Poison.

DECAJ is not digestion, you know, even when it takes place in the stomach.

Food decayed in the body after being eaten is as dangerous to health as food decayed before being eaten.

Food nourishes or poisons, just according to how long it remains in the Bowels undigested.

* * *

Most of the Digestion occurs in the thirty feet of intestines.

They are lined with a set of little mouths, that squeeze Digestive Juices into the Food eaten.

The Intestines are also lined with millions of little suction pumps, that draw the Nutrient from Food, as it passes them in going through.

But, when the Bowel-Muscles are weak, the Food moves too slowly to stimulate the little Gastric Mouths and there is no flow or too little flow of Digestive Juice, to change the food into nourishment.

Then, the food decays in the Bowels, and the little suction pumps draw Poison from the decayed Food, into the blood, instead of the Nutrition they should have drawn.

* * *

Now, Cascarets contain the only combination of drugs that Stimulates these Muscles of the Bowels and Intestines just as a Cold Bath, or open-air Exercise, stimulates a Lazy Man.

Cascarets therefore act like Exercise.

They produce the same sort of Natural result that a Six Mile walk in the country would produce without any injurious Chemical effect.

The Vest Pocket Cascaret Box is sold by all Druggists at Ten Cents.

Be sure you get the genuine, made only by the Sterling Remedy Company, and never sold in bulk. Every tablet stamped "CCC."

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Say on a postal card to us that you would like to see and test one of these "Buffalo Calf" Shoe Leather Tags. We'll be glad to have you. These tags are stamped from the best seasoned, best wearing, most comfortable leather for hard-wear shoes made by anybody anywhere. It is what we put in "Buffalo Calf" Shoes, which are worn by more practical men who have to give their shoes hard usage than any other shoes in the West. Try a pair. Ask your dealer for them. Put them through the hardest of usage, in rough work, and you'll find they will outwear any other shoes made for "General Durability." They are good shape, and look well for every-day wear, too. They are comfortable shoes and the best value—always made of choicest leather for wear and comfort, and are stitched with waxed thread—stitched stronger than other kinds. Ask your dealer, or write us direct—

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The Young Folks

WELL DONE.

Sleep, happy people of field and wood—
Bush and creeper and herb and tree—
The Master judges thy off'ring good
And sends his steward to care for thee.

Do thy festival garb of gold—
Plum and saffron and glowing red—
Winter hastens adown the wold
To tuck thee warm in thy waiting bed.

Sweet thy dreams as the winds rush by
And vainly pluck at thy coverlet,
And streams are fettered, and chill the sky,
And town and country are frost beset.

Dreams full thronged with the breeze's tale,
The bee's bassoon and the ring-dove's call;
With vista of meadow and hill and vale
From bursting spring to the brimming fall.

Sleep, happy people, where all is still
Save the crow's hoarse caw and the squirrel's bark;
The sun swings low o'er the leafless hill
And short grows the moment from dawn to dark.

Sleep, 'tis the Master who bids thee rest
And holds thee fast in his loving ken;
Till the doors fly open at His behest
And April summons to work again.
—Edwin L. Sabin in the Woman's Home Companion for October.

How the Doctor's Automobile Ran Away.

MARGARET E. WALBRIDGE, RUSSELL, KANS.

The doctor was out in his new automobile calling on his patients, and he was watching the machine with curious eyes to see how it worked, and for an automobile he decided it ran remarkably well.

As he was bowling along enjoying his new possession, he was startled by a hissing sound, and suddenly the machine reared up on the back wheels, threatening to tip the doctor out over backwards, and if it had not had a top, he would have gone out. Then quickly rearing upon the front wheels, it brought the back wheels down with a bump that made the doctor fly up and hit his head uncomfortably hard against the top, and then sit down so quickly that the poor man's hair began to stand on ends.

Then down came the front wheels, and the machine backed up and charged across the street into a yard, then out into the street again, while dogs barked, chickens cackled, and people fled to a safe distance.

Whirling, springing, tipping first to one side then to the other, sometimes on the sidewalk, sometimes in the yards, sometimes in the street, the machine rushed hither and thither like a mad creature, and making all sorts of noises, while the doctor, his hat gone, his cloak torn, wild-eyed and expecting any moment to be hurled to the ground, called to the people who had gathered to see the sight, "Stop it! Stop it!" when to go near meant injury or death.

Finally the doctor managed to put the top down and hardly had he done so when the machine shot across the street and banked against a tree, flinging him out into a mud puddle, the mud and water flying in all directions, while the automobile charged into the side of a house with such force as to break the windows, and then shot back across the street into a small pasture where an astonished cow and horse were.

The horse, kicking up his heels, went snorting down the street in a cloud of dust and the frightened cow leaped over the fence and took refuge in a coal shed, while the machine charged out on the street again and went on with its antics.

At last it ran against a tree and fell over on its side, gradually stopping all motion, while the frightful noises slowly died away like a baby sobbing itself to sleep.

The doctor all this time had been running up and down the street bespattered with mud, hatless and coatless, holding fast to his medicine case and imploring everybody he met to stop that automobile. When the machine stopped he walked over to where it lay and stared soberly at the wreck, and then without once looking behind him, walked rapidly away to get horses and men to draw it home.

And so ended the doctor's ride in the automobile that ran so remarkably well.

Good Manners Code for Boys.

Keep step with anyone you walk with. Hat lifted in saying "Good-by" or "How do you do?"

Hat lifted when offering a seat in a car, or acknowledging a favor.

Always precede a lady upstairs, and ask her whether you may precede her in passing through a crowd or public place.

Let ladies pass through a door first, standing aside for them.

Let a lady pass first always, unless she asks you to precede her.

Look people straight in the face when speaking or being spoken to.

In the parlor, stand still till every lady in the room is seated, also older people.

Rise if a lady comes in after you are seated, and stand till she takes a seat.

Never play with a knife, fork, or spoon.

Use your handkerchief unobtrusively always.

Hat off the moment you enter a street door, and when you step into a private hall or office.

In the dining-room take your seat after ladies and elders and stand till they are out.

Eat as fast or as slowly as the others, and finish the course when they do.

Do not look toward a bedroom door when passing. Always knock at any private room door.

Special rules for the mouth are that all noise in eating and smacking of the lips should be avoided.

The Little Ones

WHEN MOTHER IS AWAY.

The house is such a dreary place when mother is away;
There isn't fun in anything, no matter what you play.
The dolls just sit as stupid, and act so still and queer—
They always say such funny things when mother's by to hear.

The little china tea set looks so lonesome waiting there;
There's no fun playing party and eating only air;
It isn't like the lovely things you most believe you see
Upon the plates and saucers when mother comes to tea.

There's no use doing up your hair and dressing up in style,
You know it's just pretending, and you're Betty all the while;
You never hear a whisper from the chairs against the wall:
"Dear me, what splendid lady now is coming here to call!"

The pictures in the picture-books are never half so fine.
The stories won't come out and talk for any pains of mine;
An hour goes so slowly; it's almost like a day—
The house is such a lonesome place when mother is away. —Exchange.

When We Needed Rain.

Once on a very hot and dusty day, a little girl was sitting looking at the clouds, watching them change shape every moment. There was an elephant, then a ship sailing on a rough sea, then a big snow-covered mountain which soon looked like a flock of her father's sheep, and next moment like a very large woman pushing a baby's go-cart. Then came the most wonderful change of all, for the woman began to have wings, the go-cart turned into a fluffy, feathery tail, and there was the queerest looking being you ever saw, all white and gray and light as a feather.

The little girl sat dreamily watching it, wondering what she might name it, and whether it too would change in a moment into something different. Yes, it began to move but it kept its shape, only it grew larger and larger, and then she saw it was coming toward her swiftly, but oh, so softly. She could see its face now and it was bright like shining silver and very beautiful. She reached out her little hand toward it, and oh, wonder of wonders! she felt herself grow light as a cloud and then she began to drift just like a cloud across the sky. She looked down at the earth which



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May be only a tired liver, or a starved liver. It would be a stupid as well as savage thing to beat a weary or starved man because he lagged in his work. So in treating the lagging, torpid liver it is a great mistake to lash it with strong drastic drugs. A torpid liver is but an indication of an ill-nourished, enfeebled body whose organs are weary with over work. Start with the stomach and allied organs of digestion and nutrition. Put them in working order and see how quickly your liver will become active. Dr. Pierce's Golden Medical Discovery has made many marvelous cures of "liver trouble" by its wonderful control of the organs of digestion and nutrition. It restores the normal activity of the stomach, increases the secretions of the blood-making glands, cleanses the system from poisonous accumulations, and so relieves the liver of the burdens imposed upon it by the defection of other organs.

If you have bitter or bad taste in the morning, poor or variable appetite, coated tongue, foul breath, constipated or irregular bowels, feel weak, easily tired, despondent, frequent headaches, pain or distress in "small of back," snawing or distressed feeling in stomach, perhaps nausea, and your "risings" in throat after eating, and kindred symptoms of weak stomach and torpid liver, no medicine will relieve you more promptly or cure you more permanently than Doctor Pierce's Golden Medical Discovery. Perhaps only a part of the above symptoms will be present at one time and yet point to torpid liver or biliousness and weak stomach. Avoid all hot bread and biscuits, griddle cakes and other indigestible food and take the "Golden Medical Discovery" regularly and stick to its use until you are vigorous and strong.

The "Discovery" is non-secret, non-alcoholic, is a glyceric extract of native medicinal roots with a full list of its ingredients printed on each bottle wrapper and attested under oath. Its ingredients are endorsed and extolled by the most eminent medical writers of the age and are recommended to cure the diseases for which it is advised.

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So many ailments are purely nervous affections, that you can hardly miss it if you try Dr. Miles' Nervine. It restores nervous energy—and through its invigorating influence upon the nervous system, the organs are strengthened. The heart action is better; digestion improved, the sluggish condition overcome, and healthy activity re-established.

"Dr. Miles' Nervine is worth its weight in gold to me. I did not know what ailed me. I had a good physician but got no relief. I could not eat, sleep, work, sit or stand. I was nearly crazy. One day I picked up a paper and the first thing that met my eyes was an advertisement of Dr. Miles' Nervine. I concluded to try it and let the doctor go, and I did so. After taking two bottles I could dress myself. Then I began taking Dr. Miles' Heart Cure and now I can work and go out, and have told many the benefit I have received from these remedies and several of them have been cured by it since. I am fifty-nine years old and pretty good yet."

ANNA R. PALMER, Lewistown, Pa. Dr. Miles' Nervine is sold by your druggist, who will guarantee that the first bottle will benefit. If it fails, he will refund your money. Miles Medical Co., Elkhart, Ind

was far below her now, and it looked dusty and brown. The grass was all dry and burned, and the trees looked withered and old, and their branches looked like arms reaching up toward her. Great clouds of dust rolled down the brown road, and the gardens and grain-fields looked thirsty. She turned her head because it made her sad to see the world so hot and thirsty, and she found herself looking into the eyes of the great golden sun. He was smiling a great, broad smile that fairly dazzled her.

"Oh, Sun," she said, "Don't smile so. Don't you see the world is tired of your smile?"

But he only smiled the more and he looked so jolly she was half tempted to join him. But she thought of the thirsty earth and that made her sad again.

"Oh, dear Sun," she said, coaxingly, "the trees are so thirsty they are begging for water and the grass is dying for it. And oh, the little blue violets! They are hanging their sweet heads and poking their little faces under their leaves. Won't you send some rain for their sweet sakes."

But the Sun only continued to smile, and the little maid for thinking of the flowers and the grass and the grain began to cry. She cried and she cried and she cried. After a while she looked around her a little and there were clouds all around her and they were all crying too. She looked down at the earth and the grass was turning bright and green, and the flowers were holding up their lovely heads and the patient trees were bowing under great splashing drops.

"Why, it's raining," she said, in astonishment. Just then she felt a great drop on her cheek and she opened her eyes wide, and there she was lying on the grass and sure enough it was raining. So she jumped up very quickly and ran into the house to tell her mother what a very strange dream she had had out there under the clouds.

When the shower was over a great perfect rainbow stretched itself across the sky.

"What is that, mother?" said the little girl. "That, I think," said her mother, "is the flag the Sun has hung out to let you know he is still smiling." R. C.

Club Department

Officers of the State Federation of Women's Clubs.

- President.....Mrs. Eustace H. Brown, Olathe
Vice-President.....Mrs. C. H. Trott, Junction City
Rec. Secretary.....Mrs. E. B. Wheeler, Pittsburg
Cor. Secretary.....Mrs. Charles C. Shoales, Olathe
Treasurer.....Mrs. C. W. Landis, Osborne
Auditor.....Mrs. M. S. Munson, Eldorado
General Secretary.....Mrs. C. C. Goddard, Leavenworth
General Director.....Mrs. W. A. Johnson, Topeka

Our Club Roll

- Excelsior Club (1902).....Potwin, Butler Co.
Women's Literary Club (1902) Osborne, Osborne Co.
Women's Club (1902).....Logan, Phillips Co.
Domestic Science Club (1888).....Osage, Osage Co.
Ladies' Social Society No. 1, (1888).....Minneapolis, Ottawa Co.
Chalitto Club (1902).....Highland Park, Shawnee Co.
Cubs Club (1902).....Phillipsburg, Phillips Co.
Literature Club (1904).....Ford, Ford Co.
Star-Valley Women's Club (1902).....Iola, Allen Co.
West Side Forestry Club (1903).....Topeka, Shawnee Co., Route 8.
Fortnight Club (1903).....Grant Township, Reno Co.
Progressive Society (1903).....Rosalia, Butler Co.
Pleasant Hour Club (1899).....Wakarusa Township, Douglas Co.
The Lady Farmer's Institute (1902).....Marysville, Marshall Co.
Women's Country Club.....Anthony, Harper Co.
Richardson Embroidery Club (1902).....Madison, Greenwood Co.
Frenchie Reading Club (1904) Cawker City, Mitchell Co.
Cosmos Club.....Russell, Kans.
The Sunflower Club (1905).....Perry, Jefferson Co.
Chaldean Club (1904).....Sterling, Rice Co.
Jewell Reading Club.....Osage Co.
The Mutual Helpers (1906).....Madison, Kans.
West Side Study Club (1906).....Delphos, Ottawa Co.
Domestic Science Club (1906) Berrinton, Shawnee Co.
Mutual Improvement Club (1906).....Vermillion, Marshall Co.
Cllo Club (1897).....Columbus, Kans.
Centralia Reading Circle.....Nemaha Co.
White Rose Branch (1907).....Syracuse, Kans.
Cedar Branch (1907).....Lookeba, Okla.
(All communications for the Club Department should be directed to the Club Department, Kansas Farmer, Topeka, Kans.)

Thanksgiving Program.

- Music. Anthem.
Responses. Why we are Thankful?
In all Things give Thanks.
Those Good Old Days.
The Gobbler's Soliloquy.
How to have a Happy Thanksgiving.
There's no Place like Home on Thanksgiving Day.
A few Things to be Thankful for.
The program given above is taken

Simpson-Eddystone Black & Whites. The standard for over sixty years. Absolutely fast color. Every year has added to their quality. Some designs have a new silk finish. Ask your dealer for Simpson-Eddystone Black-and-Whites. Three generations of Simpsons have made Simpson Prints. The Eddystone Mfg. Co. (Sole Makers) Philadelphia.

from the year book of the Jersey Creek Domestic Science Club for November 21. It is so good and appropriate that I publish it in the place of the regular program given in this column every two weeks for use of the clubs that have no program prepared. This can not but be very enjoyable and helpful as well as instructive.

Mutual Helpers' Club.

During the past summer and autumn the Mutual Helpers have not missed a meeting. Naturally, better attendance and greater interest were manifested in some meetings than in others, but all in all we have had a jolly, profitable time. Not long ago our subject was "Conundrums." Each was to respond to roll-call with a conundrum. First and booby prizes were given.

While only two got prizes, we all got an hour's merriment out of it. An hour, in which we remembered the world was a jolly place and that we all had the ability to laugh long and genuinely.

Two branch Mutual Helper Clubs have been organized.—The White Rose Branch at Syracuse, Kans., and The Cedar Branch at Lookeba, Okla.

I wish every club on the club-roll might send words of encouragement to the little band of White Rose Helpers. They are located in the new country about fourteen miles from Syracuse. As yet there are no rural routes or telephones there to facilitate matters.

One determined woman has written to me, that she has taken her four children, (ages from two to eight) and walked four miles to attend club meeting.

The atmosphere is light and clear and walking is not such a task as here, still I think she deserves three cheers in the effort she is making to "pass on" every kindness. The Cedar Branch is thriving and reports nineteen members and a remarkable interest in the work.

Our club has sent badges, for the charter members, and a box of reading matter to the Syracuse Club, five dollars to the Chinese Famine fund, and we still have a neat sum in our treasury to meet current expenses. We have our second travelling library and I believe we could successfully challenge any other club of our size to show a better record in reading. The art department reports twenty finished pieces.

Mrs. Hemphill and Miss Ruby Lyman have completed some lovely work in eyelet embroidery and Mrs. Stella Filer has done some beautiful painting on plush that deserves special mention.

Yours for "passing on" every kindness shown. MARY STOREY WHITSITT. Madison, Kans.

The enthusiastic report above is very welcome and the spirit of helpfulness displayed certainly harmonizes with the name. I am happy to know of the new clubs and hope to hear from them directly, and wish them prosperity and success.

We find many people who still believe in the "water witches" who locate water with the rods. These believers are after the professors.

In judging the value of land for farm purposes, which judgment would you rather take—that of an old farmer, or an agricultural chemist?

2941 Hidden Name, Friendship, Mt. Prince Nurseries and all other kinds of GARDEN and Premium Articles. Sample Albums of Plant Cards and Budgets. List, all for a 1 cent stamp. OHIO GARDEN COMPANY CAMEL, OHIO. STARK Nurseries Pay Cash Weekly AND WANT MORE SALESMEN EVERYWHERE. BEST CONTRACT, BEST OUTPUT, LARGEST NURSERIES—WITH AN 82-YEAR RECORD. STARK BRO'S, LOUISIANA, MO.

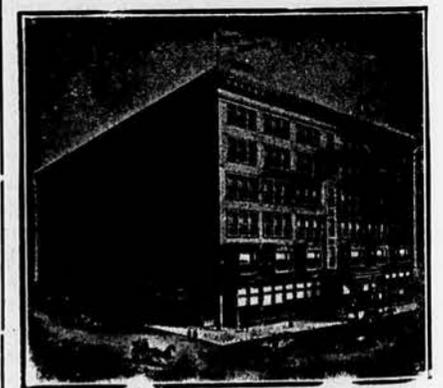
New and Liberal Homestead Regulations in WESTERN CANADA New Districts Now Opened for Settlement

Some of the choicest lands in the grain-growing belts of Saskatchewan and Alberta have recently been opened for settlement under the Revised Homestead Regulations of Canada. Thousands of Homesteads of 160 acres each are now available. The new Regulations make it possible for entry to be made by proxy, the opportunity that many in the United States have been waiting for. Any member of a family may make entry for any other member of the family, who may be entitled to make entry for himself or herself. Entry may now be made before the Agent or Sub-Agent of the District by proxy (on certain conditions), by the father, mother, son, daughter, brother or sister of an intending homesteader. Any even-numbered section of Dominion Lands in Manitoba or the Northwest Provinces, excepting 5 and 25, not reserved, may be homesteaded by any person the sole head of a family, or male over 18 years of age, to the extent of one-quarter section, of 160 acres, more or less. The fee in each case will be \$10. Churches, schools and markets convenient. Healthy climate, splendid crops and good laws. Grain-growing and cattle-raising principal industries. For further particulars as to Rates, Routes, Best Time to Go and Where to Locate, apply to J. S. ORAWFORD 125 W. 9th St., Kansas City, Mo. Canadian Government Agent

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BEE SUPPLIES

Illustration of a beehive. We can furnish you bee and all kinds of bee-keepers' supplies cheaper than you can get elsewhere, and save you freight. Send for our catalogue with the count sheet for early orders. TOPEKA SUPPLY HOUSE, 702 East 10th St., Topeka, Kans.

The Veterinarian

We cordially invite our readers to consult us when they desire information in regard to sick or lame animals, and thus assist us in making this Department one of the most interesting features of The Kansas Farmer.

Bloody Urine.—I have a black driving mare, 11 years old. When she makes water it is bloody. I have never had a horse in this condition before so would like to know what I can do for her.

Lindsborg, Kans. Answer.—Give her two tablespoonfuls of Sanmetto in feed three times a day for ten days and then report.

Trouble in Nostril.—I have a 10-year-old bay gelding which has a discharge from his left nostril and has been troubled this way since the first of June. The discharge looks white or yellowish and runs faster at some times than others.

Gridley, Kans. Answer.—Have a qualified veterinarian trephine her and if any of the teeth are diseased remove them and if not you can wash out the cavities of the head then and cure it.

Horse With Itch.—I have a 6-year-old bay stallion that has some kind of an itch. Have tried several different patent medicines for itch and mange, but have found no cure. He had a fine mane and tail, but has rubbed it all off.

Garfield, Kans. Answer.—Eczema. Apply Standard's dip with a brush and repeat in two weeks.

Diseased Vein.—I have a bay horse, coming 5 years old, that has some kind of a lump just back and under the left fore leg. This lump has been there for over two years and I have had two veterinarians look at it.

Erie, Kans. Answer.—It is probably a diseased vein or blood vessel. You can be certain of it by having a qualified veterinarian pass an ordinary horse trocar into the center of it and if it is a diseased vein it will draw out dark colored blood and if it is a tumor it will flow and only a little pus will flow and can be removed.

Hog With Weak Back.—I have an exceptionally fine Chester-White gilt about 6½ months old that seems to be weak in the back, for some time

now she has not walked about except when being fed. At other times she sits down or lies down. She has been in this condition for about a month. When I first noticed her condition I put some turpentine over her kidneys, also some of Gombault's Balsam. I put her away from the other hogs where she is at liberty to go where she pleases, and I quit feeding her corn. She is some better now but has never shown signs of coming in season as is usual with gilts of her age.

Tonganoxie, Kays. Answer.—Tincture of nux vomica one and one-half ounces, Fowler's solution, 2 ounces, simple syrup, one-half ounce. Mix and give thirty drops three times a day in feed to start and gradually increase the dose until in eight days you are giving a teaspoonful three times a day in feed.

Kendall, Kans. Answer.—Apply soap linament to his joints twice a day and bandage them over a thick layer of cotton batting. Keep him in a good box stall with a deep bed and feed well with oats, bran, and alfalfa.

Riley, Kans. Answer.—Give the horse a tablespoonful of Fowler's Solution twice a day for fifteen days, and report then how it is. Examine his teeth.

Second. No, it will not give it to the others. Third. A good ointment is made of oxide of zinc 4 ounces, tannin 1 ounce, carbolic acid, 1 ounce, and glycerine 8 ounces.

Fall River, Kans. Answer.—Have a qualified veterinarian give it a thorough firing, using the small point and puncture. Fire both sides of the joint and then blister lightly every two weeks.

Dighton, Kans. Answer.—Take Russian Cantharides 2 ounces, and boil in 4 ounces of hog's lard. Mix or stir well. When cool apply with the hand over the enlargement and on the inside of joint. Leave

A Square-Deal

Is assured you when you buy one of Dr. Pierce's Family Medicines—for all the ingredients entering into them are printed on the bottle-wrappers and attested under oath as being complete and correct. They are gathered from Nature's laboratory, being selected from the most valuable native, medicinal roots found growing in our American forests.

Not a drop of alcohol enters into Dr. Pierce's leading medicines. A much better agent is used both for extracting and preserving the medicinal principles, viz.—pure triple-refined glycerine of proper strength. This agent possesses medicinal properties of its own, being a most valuable anti-septic and anti-ferment, nutritive and soothing demulcent.

Glycerine plays an important part in Dr. Pierce's Golden Medical Discovery in the cure of indigestion, dyspepsia and weak stomach, attended by sour risings, "heartburn," foul breath, coated tongue, poor appetite, gnawing feeling in stomach, biliousness and kindred derangements of the stomach, liver and bowels.

For all diseases of the mucous membranes, the "Golden Medical Discovery" is a specific. Catarrh, whether of the nasal passages or of the stomach, bowels or pelvic organs is cured by it. In Chronic Catarrh of the Nasal passages, it is well, while taking the "Golden Medical Discovery" for the necessary constitutional treatment, to cleanse the passages freely two or three times a day with Dr. Sage's Catarrh Remedy.

In coughs and hoarseness caused by bronchial, throat and lung affections, except consumption in its advanced stages, the "Golden Medical Discovery" is a most efficient remedy, especially in those obstinate, hang-on-coughs caused by irritation and congestion of the bronchial mucous membranes. The

"Discovery" is not so good for acute coughs arising from sudden colds, nor must it be expected to cure consumption in its advanced stages—no medicine will do that—but for all the obstinate hang-on, or chronic coughs, which, if neglected, or badly treated, lead up to consumption, it is the best medicine that can be taken.

It's an insult to your intelligence for a dealer to endeavor to palm off upon you some nostrum of unknown composition in place of Dr. Pierce's world-famed medicines which are of known composition. Most dealers recommend Doctor Pierce's medicines because they know what they are made of and that the ingredients employed are among the most valuable that a medicine for like purposes can be made of.

With tricky dealers it is different.

Something else that pays them a little greater profit will be urged upon you as "just as good," or even better. You can hardly afford to accept a substitute of unknown composition and without any particular record of cures in place of Doctor Pierce's medicines which are of known composition and have a record of forty years of cures behind them. You know what you want and it is the dealer's business to supply that want. Insist upon it.

20 PAPERS AND 100 MAGAZINES \$1.00 ALL ONE FULL YEAR FOR ONLY \$1.00. Twenty of the best known and most readable papers and magazines in the United States. At a large expense to advertise our list of papers and to give our customers the best of everything, we have made arrangements to offer them TWENTY GREAT PAPERS and MAGAZINES for the price of ONLY ONE DOLLAR—All are well known and are from the North, South, East and West.

on twenty-four hours and wash off and grease with vasaline. Tie him up short so he can not lick it. Apply it every two weeks for some time. Keep him in a good big box stall. No, you could not do much now if it was out of joint or stifled but this is a strain of the joint and will get better.

Dairy Interests

Butter and its Substitutes.

To FARMERS AND DAIRYMEN:—The total value of dairy products in the United States, in the year 1899, according to the last U. S. Census Report, was \$506,663,289, and the product of Pennsylvania for the same year was \$35,860,110. To properly safeguard an interest so important to the farmers of our State and the entire country, it is absolutely necessary that the National laws which deal with the manufacture and sale of oleomargarine, butter, renovated or process butter, and adulterated butter shall be radically and speedily changed.

Farmers, dairymen, and others interested in pure butter must endeavor to obtain remedial National legislation in order that the manufacturers and dealers who handle oleomargarine and other butter substitutes shall discontinue to market these products as pure butter, which it seems has been customary for many years, on account of flaws in the National statutes that were erroneously believed to properly control the manufacture and sale of these commodities.

It is important that all who are concerned in the prosperity of the dairy interests shall, without delay, appeal to the President of the United States, the United States Senators, and members of Congress to remedy defects of the National laws. The changes must be made if the great dairy interests of the Nation are to receive a "square deal" and the protection they justly deserve.

Resolutions, memorials, and petitions calling attention to needed changes in Federal laws should be prepared by granges, farmers' clubs, and kindred agricultural organizations and forwarded without delay to President Theodore Roosevelt, Washington, D. C.; also to the United States Senators and members of Congress, farmers, dairymen, and patrons should at once mail letters on this subject to the United States Senators and Congressmen of their respective districts.

About two years ago, the Pennsylvania Food Bureau officials brought (under Pennsylvania oleomargarine law) criminal prosecutions, which resulted in convictions against contractors who had engaged to supply butter to the U. S. government at League Island Navy Yard, Philadelphia. The U. S. District Attorney in Philadelphia was notified, that the Federal oleomargarine law had been violated, and the

U. S. government had been defrauded by the substitution of colored oleomargarine for butter, and when asked to prosecute the guilty parties, that official declared it would be useless to begin prosecutions for the reason that conviction could not be secured without proving that the offenders had "knowingly" violated the law.

At the annual meeting of the Pennsylvania Pure Butter Protective Association held in Philadelphia, May 4, 1907, when the defective National oleomargarine laws were being discussed, a Philadelphia representative of the Federal Department of Justice stated that loopholes whereby offenders could escape punishment were so numerous that it was "almost impossible and also most humiliating" for prosecuting officers in his department to attempt to secure convictions of oleomargarine law violators, and that the Federal laws would have to be changed in a number of details to obtain requisite protection of the dairy interests.

Reliable statistics show that fully eighty per cent of the colored oleomargarine sold at retail is marketed as pure butter, and the faulty Federal laws tend to encourage this method of fraudulent traffic to the injury of both dairymen and the consumers.

DEFECTS TO BE CORRECTED IN NATIONAL LAWS.

The needed changes, based on reports of capable attorneys who have investigated this subject, which are briefly mentioned in the following paragraphs, should be made at the next session of Congress, which convenes December 2, 1907, at Washington, D. C.

The word "knowingly," which is generally used in connection with every offense in the statutes under the Federal laws, practically nullifies successful prosecution. This should be removed.

The definition of oleomargarine under the Federal Act of August 2, 1886, should be so changed that butter, with or without coloring matter, shall not be used in the manufacture of oleomargarine. The permission to use butter, colored or uncolored, in oleomargarine, is objectionable because it makes a fraudulent product more difficult of detection.

The word "knowingly" has apparently with design been omitted in the Federal statute which relates to sale of oleomargarine imported from foreign countries. Common fairness requires the same provision shall apply to a person who sells or offers for sale oleomargarine produced in the United States.

The United States revenue laws should be changed so as to require a record to be kept of the serial number of the stamp on each package of oleomargarine, renovated and adulterated butter that is placed upon the market, as is the case with other articles subject to taxation, so that every package, whenever found, may be successfully traced to the dealer or manufacturer.

The National law should be so changed that it will not be necessary to prove that the yellow color of oleomargarine is due to a foreign substance introduced for the purpose of giving color. If the Federal law was amended so as to make it practically conform to the Pennsylvania law on this subject, it would afford protection to pure butter which is not at present given by National law on this color question.

As the revenue laws now stand, Revenue Collectors can, by and with consent of the Secretary of the Treasury, settle by compromise all civil and criminal cases arising from violations of the law. This opens the way for abuses on the part of violators who are able to bring men of prominence and influence to their rescue; consequently, any such feature of provision of the law should be eliminated.

The present internal revenue laws have been so interpreted by United States district judges as to permit the concealing of stamps, marks, and brands after they are placed on packages of oleomargarine, renovated butter, and adulterated butter. This statute requires to be so changed that



**50 CTS. PER LB.
BUTTER
THIS WINTER**

This is the price butter promises to retail at in most of the towns and cities for some months the coming winter, and fancy grades are already bringing this much and more.

There may be some excuse for going without a cream separator when butter is down to 12 or 15 cents per pound, and there may be some excuse for buying a "cheap" second or third grade machine at a first-cost saving of \$10 or \$15 when butter is selling at very low figures and the difference in yield and quality does not amount to much in a dollars-and-cents way.

But there is no excuse for the thinking dairy farmer having three or more cows going without a separator or investing in a cheap, inferior machine at present butter prices, when the waste in quantity and loss in quality means so much in so short a time, and a De Laval machine offers so many advantages in every possible way over any other separator or creaming system.

Nor is there any excuse for the thinking dairy farmer who will milk three or more cows during the winter putting off the purchase of a separator until Spring when a DE LAVAL machine will nearly if not more than earn its cost by that time and may be bought either at a discount for cash or on such liberal terms that it will actually save its own cost while being paid for.

A De Laval catalogue, or a De Laval machine to show for itself just what it is and just what it will do, are to be had for the asking. Why not ask for them?

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178-177 WILLIAM STREET MONTREAL
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107 FIRST STREET PORTLAND, OREG.

stamps, marks, and brands shall be exposed to the public.

The Federal law needs to be so amended that manufacturers and dealers in uncolored oleomargarine shall not dispose of coloring matter in such manner that retail venders can be assisted to escape paying the ten cents per pound tax as required under the Grout Bill.

Signed:
THOMAS SHARPLESS, West Chester, Pa.
C. P. FAUCETT, West Chester, Pa.
JOHN H. DARLINGTON, West Chester, Pa.

EDWARD WALTER, West Chester, Pa.
SAMUEL E. HOWELL, West Chester, Pa.

F. W. LEVIS, Chadd's Ford, Pa.
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JOHN P. SHARPLESS, Londongrove, Pa.
FRANK P. WILLITS, Ward, Pa.
C. B. COCHRAN, West Chester, Pa.

Farm Notes.

N. J. SHEPHERD, ELDON, MO.

Only good goods can make the seller independent.

A cross-bred may be better for feeding, but never for breeding.

Wood ashes makes a splendid fertilizer for strawberries, raspberries, currants, and grapes.

It is not what we produce, but what we utilize that makes profit.

To promote early maturity with any kind of stock, good feeding must be practised from the very first to the very last.

The shorter the manure the better it can be distributed over the land and the more valuable it is for providing plant food.

Soaking rains on the manure heap take out all the soluble portions, leaving but little food for the plants.

When properly managed the manurial product in stock growing should pay every expense except that for feed.

Cheap feed is the best feed so combined as to produce the best results for the least money outlay.

It is an important part of successful dairying to select for raising heifer calves with vigorous physical charac-

CREAM IS MONEY
The chief reason you want a separator is to get more cream—more money—out of your milk. Of course you want to get the most, and you naturally want the separator that gets the most cream.

U.S. GETS ALL THE U.S. CREAM
Holds World's Record for CLEAN Skimming

Marshfield, Vt., Feb. 2, '07.
I bought one of the machines, but after running it a little while I found it was not skimming clean. I had it tested at the creameries here and found it to test 1 per cent, and I could not stand this so exchanged it for one of the U. S. machines, and find that if I had given the other machine away I should have made money by so doing. I like the U. S. very much.

ALMON TUCKER.

The U. S. is also the simplest, strongest, safest separator. Only two parts in the bowl—easy to wash. Gears turn in oil and run surprising easy. Lasts for many years with ordinary care.

Let us tell you ALL about it. It's money in your pocket right away to know.

Just write, "Send me new Catalog No. 91." The pictures tell the story. FREE TO YOU. Write today, addressing the

VERMONT FARM MACHINE CO.
Bellows Falls, Vt.
Eighteen Distributing Warehouses



teristics as well as of reputable pedigrees.

Any considerable change of the temperature to which an animal is habituated is unfavorable to the accumulation of fat if not a check to growth.

The best assimilated food is that which the animal craves. The best feeding keeps an animal in such health that it, at all times has a good appetite.

A convenient method of handling manure is to keep an old wagon where it can be filled as the stables are cleaned out. When full, hitch on and drive to the field.

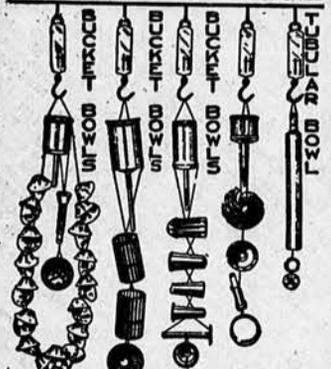
Animals bred in line for several generations carry with them not only an ability to do a certain thing but an instinct to use all their powers to do that thing well.

Selling timothy hay off the farm, may

Saves Hours of Cleaning

Of course your wife would try to wash even the worst cream separator bowl properly twice every day. But why ask her to slave over a heavy, complicated "bucket bowl," like either

12%lbs 12%lbs 8%lbs 10%lbs 6%lbs



of the four on the left? Why not save her hours of cleaning every week by getting a Sharples Dairy Tubular Cream Separator with a simple, light, tubular bowl, easily cleaned in 3 minutes, like that on the right? It holds the world's record for clean skimming.

Sharples Tubular Cream Separators are different—very different—from all others. Every difference is to your advantage. Write for catalog M-16, and valuable free book "Business Dairying."

THE SHARPLES SEPARATOR CO.
West Chester, Pa.
Toronto, Can. Chicago, Ill.

not be a good thing to do, but the relatively high price and low manurial value makes the practise more excusable than the selling of clover hay.

It may sometimes pay to purchase feeding stuff rather than to be obliged to dispose of desirable animals for the farm and which it would be possible to keep after being wintered through.

Good and permanent results in breeding are never accomplished by accident. Even if a good animal results, it has not the power of reproducing it over good qualities with any degree of certainty.

The Poultry Yard

CONDUCTED BY THOMAS OWEN.

Poultry Notes.

The nice, warm weather we are having these days, in the early part of November ought to be conducive to an egg-laying activity among the fowls. The old hens, that have been kept over, should now be over their molt, and in prime laying condition. The early pullets should also be shelling out eggs by this time, and if they are it will be found much easier to keep them laying than it would have been to make them commence had cold weather struck us. The thing to do now is to be prepared for cold weather when it comes. See that the fowls have a warm house to stay in, when the cold rains and the snow comes. See that they have a cosy scratching place, for if they are huddled up in a small house, with no room to exercise or scratch for their food, they will surely stop laying. Of course the proper kind of feed should be provided for them, with plenty of it. There is not much danger of overfeeding a laying hen and she needs lots of feed in order to keep shelling out eggs day after day.

Turkeys are going to be scarce and high in price the coming Thanksgiving, and the average family will have to discard this delicacy from their bill of fare on Thanksgiving day. But they must have something for a substitute and a nice fat duck or goose will fill the bill. If you have a quantity of ducks and geese it would be well to fatten them up at this time. Fattening them is best done when they are confined or when two or three are together. Like a pig, the duck or goose will eat more when it has a companion, than when it is alone, as greediness is one of the characteristics belonging to both. The food need not be expensive. Boiled turnips, carrots, and potatoes with cornmeal, makes the best mess with which to fatten ducks and geese quickly. They should be kept very quiet, given plenty of water for drinking and allowed pulverized charcoal once

a day. The latter keeps them in good health. Ten days is sufficient for getting them in proper condition if they have good appetites. Do not omit chopped clover or alfalfa, as bulky, green food promotes and hastens the process of fattening.

The secretary of The Kansas State Poultry Association, Thomas Owen, station B, Topeka, is now making preparations for the great State Poultry Show to be held at Topeka January 6 to 11, 1908. It will be held at the great Auditorium, one of the finest buildings in the West for this purpose. The chances now are that it will be the largest poultry show ever held in this section of the country. The premium lists will be published about December 10th and the secretary is now soliciting poultry breeders to join the State Association and have their names and addresses and the kind of poultry they breed printed in this list. The only fee required is 50 cents. He also solicits ads at \$5.00 per page, \$3.00 per half page and \$2.00 per fourth page. If any reader has not received a circular from him, he will be pleased to hear from you direct with a membership fee or an order for an advertisement in the list.

Fowls that are confined in winter should be supplied with some material for a dust bath. It is by dusting itself that a fowl keeps itself free from lice. Some place a box in the pen that is filled with road dust. Some object to the road dust because of its filthiness. It may be filthy in the streets of a large town, but on the country roads, it is generally clean dirt. Sifted coal ashes is a very good material for fowls to dust in, and they can get lots of unburned coal or charcoal in it, which helps their digestion. But the best of all things for dusting fowls is fresh plowed earth. If it is a little moist, it is all the better, for it seems to stick to the feathers better than very dry material. If hens are provided with plenty of dry earth, they will solve the lice problem for the owner by keeping themselves entirely free from these pests.

A Meal in a Minute.

To the woman who possesses an Enterprise meat and food chopper, the most important part of the preparation of any meal can actually be accomplished in a minute. A little cold meat, or in fact, almost any of the food materials in any kitchen, and with a few turns of the handle the trick is done. Meat cakes, croquettes, or any of a hundred dishes in almost less time than it takes to tell it. And best of all, more delicious than the could be prepared in any other way.

Any of our readers can secure a valuable cook book, famous for its recipes for delicious "quick meal" dishes, by writing The Enterprise Mfg. Co., of Philadelphia, Pa., 234 Dauphin St., and asking for it. This book, though published to be sold at 25 cents, will be sent free to our readers. It contains more than 200 splendid recipes and many helpful kitchen suggestions.

Write for the "Enterprising Housekeeper," a book of 200 valuable Recipes and Kitchen Helps. Sent Free.

**More Eggs—
More Money**

The increased production of eggs from a very small flock of poultry will soon pay for an Enterprise Bone, Shell and Corn Mill. Cracked corn, ground bone, oyster and other shells, etc., are important items of egg-making material and must be furnished in winter to secure an abundance of high-priced eggs. They can be furnished at lowest cost by the use of an

No. 750
Price, \$8.50

ENTERPRISE

Bone, Shell and Corn Mill

Order one early in the season, and the hens will surely pay for it. The mill shown in cut costs only \$8.50. Will grind corn, dry bones, oyster and other shells, etc., making valuable poultry food. May be used for making bone meal fertilizer.

A good all-round mill for farmers and poultrymen, and for strength and durability is unexcelled. Weight 60 lbs. Capacity, 1 1/2 bushels of corn per hour. Look for the name "Enterprise" on the machine you buy. Sold by Hardware and General Stores, etc.

THE ENTERPRISE MFG. CO. OF PA.,
234 Dauphin St.,
Philadelphia, Pa.



**See That Your Tag
Reads:**

Blue Valley Creamery Co.
St. Joseph, Mo.

THIS TAG IS READY FOR USE. Do not cross your name or address, nor make any marks of any kind on this tag.

THIS CAN CONTAIN CREAM
From *John Smith*
Beaufort Mo.

Blue Valley Creamery Co.
ST. JOSEPH, MO.

Our Price for Butter-Fat is 26c
and we pay spot cash.

BLUE VALLEY CREAMERY CO., ST. JOSEPH, MO.

The Townsend Automatic Trap Nest

Awarded first premium Kansas State Fair, 1906-07. Invaluable to poultry raisers. The hen, on going in, closes the gate behind her, shutting out all other fowls. At any time she wants out for food or exercise, she can easily release herself. By simply lowering a latch, it is converted into a "Trap Nest" that is absolutely reliable. These nests are manufactured under our own patent. Write us for information and testimonials from users. AGENTS WANTED. Address P. G. TOWNSEND & CO., 629 E. 6th, Hutchinson, Kans.

BUFF ORPINGTONS.
ORPINGTONS—1,000 to sell to make room. Catalogue free. W. H. Maxwell, 1906 McVicar Avenue, Topeka, Kans.

CHOICE Buff Orpington and B. P. Rock cockerels. Collie pups and bred bitches. Send for circular. W. B. Williams, Stella, Neb.

RHODE ISLAND REDS.
FOR SALE—Rose Comb Rhode Island Red cockerels; Duroc-Jersey boars; one registered Red Polled bull. I. W. Poulton, Medora, Kans.

WYANDOTTES.
SPECIAL PRICES on White Wyandotte hens, pullets and cockerels for a short time; also White Holland turkeys. Mrs. E. F. Ney, Bonner Springs, Kans.

B. P. ROCKS, PARTRIDGE WYANDOTTES—Birds of royal breeding. Low prices for 30 days. Mrs. Minnie K. Clark, R. 2, Lawrence, Kans.

GOLDEN WYANDOTTE COCKERELS for sale. Strong, vigorous, early hatched. Also a few M. B. turkeys. A. B. Grant, Emporia, Kans.

BROWN'S WHITE WYANDOTTES—Ahead of everything; stock for sale; eggs in season. I have the English Fox Terrier dogs. Write me for prices and particulars. J. H. Brown, Clay Center, Kans.

PLYMOUTH ROCKS.
BARRED ROCK cockerels and pullets for sale from exhibition stock. Large-boned, vigorous, farm-grown birds; barred to the skin. Bargains. Write your wants. Mrs. W. A. Schreier, Argonia, Kans.

CHOICE BARRED PLYMOUTH ROCKS a specialty. Also several other varieties. Write your wants. Circulars free. A. H. Duff, Larned, Kans.

WHITE PLYMOUTH ROCKS exclusively; young and old. Stock for sale. J. C. Boatwick, Hoyt, Kans.

PLYMOUTH ROCKS—Barréd Rocks; some pure-bred cockerels for sale now, 75 cents each. Mrs. Wm. Bumphrey, Corning, Kans.

For Sale Until December 1 1907.
Pure-bred B. P. Rock chickens by prize-winning birds. Cockerels \$1 each, pullets \$9 per dozen, \$5 per half dozen. A. C. Merritt, Hillcrest Fruit and Poultry Farm, North Topeka, Kans. Independent phone 4851.

White Plymouth Rocks
EXCLUSIVELY

Good for Eggs. Good to Eat Good to Look at.

W. P. Rocks hold the record for egg-laying over every other variety of fowls; eight pullets averaging 289 eggs each in one year. I have bred them exclusively for twelve years and have them scoring 94 to 96%, and as good as can be found anywhere. Eggs only \$2 per 10; \$5 per 45, and I prepay expressage to any express office in the United States. Yards at residence, adjoining Washburn College. Address THOMAS OWEN, Sta. B, Topeka, Kans.

LEGHORN.
ROSE COMB Brown and White Leghorns. Pure-bred, April-hatched cockerels, \$1 each. Buy early and get the best. Samuel Andrews, Kinsey, Kans.

FOR SALE CHEAP—My R. C. White Leghorns, Grace Howell, Route 2, Emporia, Kans.

PURE-BRED S. C. B. Leghorn cockerels \$1 each, six for \$4. Mrs. F. E. Town, R. 2, Haven, Kans.

Grand cockerels from prize winners of the Famous Witham strain of S. C. Brown Leghorns. Prices from \$1.50 to \$5.00 each. Special prices on doc. lots. L. H. Hastings, Quincy, Kans.

S. C. BROWN LEGHORNS—Some fine early hatched cockerels for sale cheap. We handle two best strains of Leghorns. Come early if you want the best. Write for prices. L. H. Hastings, Quincy, Kans.

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

BRAHMAS.
Light Brahma Chickens
Choice pure-bred cockerels for sale. Write or call on Chas. Foster & Son Eldorado, Kans. Route 4

BLACK LANGSHANS.
PURE-BRED WHITE LANGSHANS for sale. Hens \$1.25, pullets \$1 each; also a few Silver Spangled Hamburg cockerels. Mrs. John Cooke, Greeley, Kans.

MISCELLANEOUS.
CHICK-O FOR BABY CHICKS—"Just the feed and all they need." A balanced ration of pure grains, seeds, bone, etc. Ask your dealer or write to headquarters. D. O. Coe, 119 East Sixth Street, Topeka, Kans.

AGENTS—To sell and advertise our Poultry Compound; \$25 weekly; 10¢ furnished. Franklin Manufacturing Company, Norwalk, Ohio.

FOUR DOLLARS

Yearly profit from each hen assured by using Little Gem Hatcher and my Bifold System. All fertile eggs hatched and almost every chick RAISED. Hens safely forced to lay over 200 eggs a year each. Fowls fattened 2 to 4 pounds in 20 days, and prime poultry food made for only 8 to 12 cents a bushel. Convincing proof free. F. GRUNDY, Expert Poultryman, Morrisonville, Ill.

Hatch Chickens by Steam with the EXCELSIOR INCUBATOR OF WOODEN MEN

Simple perfect self-regulating. Hatches every fertile egg. Lowest priced and best made. 100% GUARANTEE.

Special Want Column

"Wanted," "For Sale" "For Exchange," and small want or special advertisement for short time will be inserted in this column without display for 10 cents per line of seven words or less per week. Initials or a number counted as one word. No order accepted for less than \$1.00.

CATTLE

WHO WANTS this richly-bred Holstein-Friesian bull? De Gerben Shady Josephine 47583, calved July 19, 1906. The sire of this richly-bred bull is a grandson of the old 12-year-old cow, Gerben, which made more butter at the St. Louis Exposition than any cow in the test. The dam of this young bull made 17 1/2 pounds of butter in seven days as a 3-year-old on common feed. I also have for sale a few Poland-China boars sired by On The Spot 429555, his dam by Chief Perfection 2d. H. N. Holdeman, Meade, Kans.

PURE-BRED REGISTERED HOLSTEIN bull calf. Ready for service next season; highly bred. Low price for quick sale. Madison Cooper, 410 Court St., Watertown, N. Y.

FOR SALE—Two Shorthorn yearling bulls—roan and red, best of breeding, one prize-winner. Thos. Howell, Route 2, Emporia, Kans.

FOR Red Polled bulls or heifers, write to Otto Young, Utica, Ness County, Kansas.

SPECIAL SALE—5 straight Crickshank Shorthorn bulls for sale at bargain prices for quality. H. W. McAfee, Topeka, Kans.

ABBEDEEN-ANGUS CATTLE and Percheron horses, stock for sale, Garret Hurst, breeder, Peck, Sedgwick County, Kans.

HORSES AND MULES.

FOR SALE CLYDESDALE STALLION at a bargain. Weelum McLure 10217, in Vol. XI, American Clydesdale Stud Book, color black, stripe on face, inside of left hind pastern white; foaled April 13, 1901, bred by Col. Robt. Holloway, Alexis, Ill.; has fine feather, sharp flinty bone and splendid feet; weighs about 1800 pounds, kind and obedient, works single or double, a sure breeder, his foals show their ancestry, his sire was Mc Ara 5586 (7991); dam, Minuet 2d 8465, that won first prize at Chicago International. A rare opportunity to get a splendid stallion at a bargain in whose veins flows the blood of the renowned Danley (222), the matchless Prince of Wales (673), the mighty Druid (654), the noted Lord Lyon (489) and the famous Lochferus (Champion 449). An extended pedigree and photo will be sent on application for particulars. Address Wm. H. Stewart, Olean, N. Y.

PERCHERON STALLION FOR SALE—Owing to circumstances I am forced to sell my 7-year-old registered Percheron stallion. He is sound, kind, big, has a fine action and is a perfect show horse. Will fully guarantee him. Terms: Cash, approved notes, or will trade for cattle. J. B. Weldon, Eureka, Kans.

TWO JACKS FOR SALE—3 and 4 years old, Missouri bred. Address S. C. Hedrick, Tecumseh, Kans.

FOR SALE—One black team, 6 and 7 years old, weight 2600 pounds. Mr. and Mrs. Henry Schrader, Wauneta, Kans.

Kansas City Grain Market.

Prices of grain made substantial advances this morning, affected by a generally more confident feeling respecting the financial conditions, and by strong markets abroad. Offerings in the speculative wheat market were small. December wheat in Chicago started out 1/4 c to 3/8 c higher at 91 1/2 c to 92 1/4 c and rose to 93 1/4 c in the first hour. There was a further advance later to 94 1/4 c, or 2 1/2 c above Saturday's close. A setback to 93 1/4 c occurred late in the day, but a second rally carried the price up to 94 1/4 c again. The close, 94 1/4 c, showed a net gain of 2 1/4 c for the day.

Kansas City December wheat sold at 89 3/4 c, or 1/4 c higher, at the outset, advanced to 91 1/2 c, fell back to 90 1/2 c, then rose to 91 1/2 c @ 91 1/2 c and closed 2 1/4 c up at 91 1/2 c.

Kansas City December wheat sold at 89 3/4 c, or 1/4 c higher, at the outset, advanced to 91 1/2 c, fell back to 90 1/2 c, then rose to 91 1/2 c @ 91 1/2 c and closed 2 1/4 c up at 91 1/2 c.

In Minneapolis December wheat advanced 4 1/2 c to \$1.03 1/2.

December wheat in Winnipeg was reported 4c higher than on Saturday.

Liverpool wheat quotations were 1d to 1 1/4d higher early and closed 1 1/4d to 1 1/2d higher. Berlin and Budapest closed 1/2 c higher. The amount of wheat on passage increased 1,024,000 bushels. The world's shipments were 11,618,000 bushels, though estimated at only 10 million bushels, compared with 11 1/2 million in the preceding week and 11 million a year ago.

The advance in Liverpool was attributed to cold weather in Argentina and light receipts in America.

Northwest receipts were 723 cars, 51 cars more than last Monday and only 27 cars smaller than a year ago. Winter wheat receipts were small, including 83 cars at Kansas City, against 229 a year ago. Chicago public elevator stocks decreased 597,900 bushels and at Kansas City the decrease was 502,600 bushels.

The visible supply statement showed an increase of 66,000 bushels compared with an increase of 7775,000 bushels a year ago. The day's exports were 919,000 bushels wheat and 30,000 packages of flour.

The speculative corn market also displayed strength. December corn in

REAL ESTATE

FOR SALE—Irrigated farms of 80 acres and upwards from 10 to 20 miles from Denver, the most beautiful city in America. Grains, grasses, fruits, vegetables, beets, etc., grow under our ample supply of water for late as well as early irrigation as they do in few places in the world. You can buy on easy terms, making a small payment down, and we will build houses where needed. Why not leave the old states where land and rentals are so high and buy irrigated land where you govern your water supply by the needs of your crops. Send for beautiful illustrated pamphlet. Denver Reservoir Irrigation Company, 723 Ernest & Cranmer Bldg., Denver, Colorado.

Farm Bargains

In east Kansas. Write for new land list. MANSFIELD BROS., Garnett, Kans.



RU LOOKING

for a bargain? I have a large list of them direct from the owners in Kansas, Missouri, Oklahoma, Nebraska, Texas, Colorado, New and Old Mexico and you will find them good as represented: 423 farms, 75 ranches, 63 stocks of merchandise, 20 mills and elevators, 32 hotels, 12 lumber yards, 6 telephone plants, 20 restaurants, 16 liveries, 4 electric light and power plants, 6 saw mills and lumber camps, 45 houses and lots for sale. When you are in the market for any of these, I would like to tell you of them. Some will exchange.

FRANK GEE, Lawrence, Kans.

SWINE.

FOR QUICK SALE—Twelve Poland-China boars of March and April farrow, the best of breeding and choice individuals; large boned, strong, active pigs, grown on alfalfa pasture. Also a few gilts of April farrow. These pigs were sired by U. S. Meddler and a son of The Picket by Corrector out of Chief Perfection 2d and other good dams. W. L. Reid, Route 4, North Topeka, Kans. Independent telephone 8802.

TWO HERD BOARS FOR SALE—Joe Cannon by Red Raven and out of Faust's Pride, a Kant-Be-Beat sow, and Colossal by Golden Rule, the boar at the head of Watt & Faust herd. Grant Chapin, Green, Kans.

FOUR big boned, registered Berkshires at \$10.00. Write Chas. Morrison, Osage City, Kans.

FOR SALE—The great Poland-China herd boar Duke Ellington 117659, sired by Corrector, dam by Chief Son 2d. Farrowed April 27, 1906. A splendid individual, no better breeding anywhere. Price \$75. Choice May boar by him at \$20; big bargains in both. J. H. Brown, Bassettville, Kans.

FOR SALE—Large boned, extra size thoroughbred Poland-China boar, 2 years old, best of breeding.—J. W. Cunningham, Route 2, Meriden, Kans.

SCOTCH COLLIES.

PUPS—High-class Collies ready to ship. The farmer a kind of dog; from \$5 up; also a few female months old. A. P. Chacey, N. Topeka, Kans.

SCOTCH COLLIES—Pups and young dogs from the best blood in Scotland and America now for sale. All of my brood bitches and stud dogs are registered, well trained and natural workers. Emporia Kennels, Emporia, Kans. W. H. Richards.

Scotch Collies.

Fifty-seven Collie puppies just old enough to ship. Place your orders early, so you can get one of the choice ones. Walnut Grove Farm, Emporia, Kans.

MISCELLANEOUS.

EQUIPMENT for the manufacture of Concrete Fence Posts. Territory assigned. Agents wanted. Address The Paragon Concrete Fence Post Co., 622 Minnesota Ave., Kansas City, Kans.

FOR SALE—J. I. Case threshing outfit, consisting of 15 horse power engine and tender, 32x54 separator, 20 bar cylinder, weigher, wind-stacker, Parsons feeder; all in good shape; good as new. Price, \$1,000. A bargain. Address James Miller, R. 1, Leroy, Kans.

WANTED—Seed sweet corn. Barteldes Seed Co. Lawrence, Kans.

FOR SALE—Stationary engine and boiler, 10 horse power. Frank Chamberlain, Keats, Kans.

STOCK FOOD AGENTS WANTED—Albert Cure & Son desire a good farmer or stock raiser in every vicinity to sell their Stock Powders, Veterinary Healing Powders (sample sent free) and Curzon's Dip. If interested write for their terms. Address, Albert Cure & Son, Atchison, Kans.

WANTED—Alfalfa, clover, timothy, English blue grass and other grass seeds, also pot-corn. If any to offer, please correspond with us. The Barteldes Seed Co., Lawrence, Kans.

FOR SALE—A "Little Giant" (McCormick) shredder and husker; used two seasons; perfect repair; half price. Edwin Taylor, Edwardsville, Kans.

OLD ORCHARD rejuvenated (made young), production thrived in quality and quantity. Wonderful discovery. Stamp for particulars, etc. T. T. Higby, Sedro, Wash.

WANTED—By experienced agricultural college graduate, a position as manager of an up-to-date dairy farm. Preferably in Kansas or Colorado. E. E. Greenough, Manhattan, Kans.

RURAL BOOKS—Send for descriptive list of books for farmers, gardeners, florists, architects, stock raisers, fruit growers, artisans, housekeepers and sportsmen. Sent free. Address The Kansas Farmer Company, Topeka, Kans.

WANTED—A second-hand traction engine, not less than 16 horse power. Dr. W. D. Barker, Chanute, Kans.

Stray List

Week Ending November 7.

Thomas County—Chas. L. Gulick, Clerk.

HORSE—Taken up by Charles Hively, in Morgan tp. (P. O. Colby), Sept. 30, 1907, one black horse, a little white on left hind foot, wire scratch on left fore foot.

Week Ending November 14.

Kearny County—F. L. Pierce, Clerk.

MARES—Taken up, October 25, 1907, by S. P. Kemper, in Hibbard tp. (P. O. Lakin), three sorrel mares, three bay mares, one black mare and one brown mare; all branded on left shoulder. Appraised value \$420.

REAL ESTATE

IT IS YOUR OWN FAULT IF YOU DON'T OWN An Orange Grove in Mexico in the Pacific Coast Country

This is the country where every man and woman, every boy and girl, who is earning wages can buy and pay for 160 acres of land, that will be worth many times what they pay for it, in-side of five years. We are placing on the market 300,000 acres of the best and richest agricultural, fruit and grazing lands that has ever been offered for sale. We are selling this land for \$3.50 per acre; our terms are 50 cents per acre down and 50 cents per acre every six months until paid for. These lands will produce as much corn, wheat, oats, and all kinds of grasses as any land on the American continent, besides being the finest tropical fruit lands in the World. This proposition is recommended and endorsed by the Mexican Government.

The Foster-Holcomb Mexican Colonization Co.,

Senitor Jose Castellot, president, Mexico City, Mexico.

Address all communications to the Topeka Office, F. W. Reagan & Co., Managers, Room 3, 532 Kansas Ave., Topeka, Kans.

Marshall County Farms

161 acres 4 1/2 miles from shipping point, 8 miles from county seat; fine 8-room house, new; good outbuildings; 125 acres in cultivation, 30 acres pasture; some timber, large never-falling spring, wells, windmill, scales, tanks, etc.; good orchard. Owner has farm arranged for feeding cattle and hogs. First-class soil. A No. 1 stock farm. Price \$75 per acre.

F. NEWSON, Blue Rapids, Kansas.

80 ACRES worth \$2500, price, \$2600, if sold soon. 65 acres under cultivation, balance pasture; good 5-room house; barn, granary, crib, tool-house, poultry-house, 2 wells; 4 miles from town; telephone; 1 mile to school. Priced to sell. Garrison & Studebaker, Florence, Kans.

FOR SALE—Feed-mill and grain store in southern Vermont. Handy to standard gauge railway station. Has large trade in both selling grain and custom work. Up-to-date mill in machinery and building itself; water power. The only mill of its kind within 10 miles, and sold only for the reason of ill health. Can furnish house if desired. Price reasonable for cash. H. C. Franklin, Townshend, Vt.

LYON COUNTY FARM—80 acres, 70 cultivated, 10 pasture, 25 alfalfa, 6-room house, good barn, orchard and water, school across the road, 3 miles to station, 14 to Emporia. Price \$5,300. Write for list of farms and ranches. Hurley & Jennings, Emporia, Kans.

A BARGAIN—160 acres, Jackson County, light improvements, low price, easy terms. The Sheldon Realty Co., Topeka, Kans.

\$250 WILL BUY 80 acres; Christian County, South-east Missouri. Perfect title; terms \$10 monthly. W. M. B. Williams, Mt. Vernon, Ill.

FOR SALE—Fruit lands, farms and timber. Stock do well in this section. German truck farmers can make big money. I can loan your money on good security. Campbell, P. O. Box 663, Van Buren, Ark.

WASHINGTON STATE.

Little Fruit Farms—\$5 down and \$5 per month per acre in famous Yakima valley—cultivated—irrigated—planted and cared for. Send today for booklet. Oldest firm in state. Calhoun, Denny & Ewing, Inc., Dept. X, Seattle, U. S. A.

Just the Place.

158 acres adjoining a good town in Anderson Co., Kans. All smooth second bottom land does not overflow, fenced with wire and hedge, about 30 acres tame grass, balance in cultivation. Good house of 6 rooms, good small barn, orchard, an abundance of well water, 200 yards to school. Just the farm for a hog raiser, shipper, dairyman, or any one who wants a good place to live close to town. Price \$45.00 per acre. Mansfield Bros., Garnett, Kans.

This tract of land contains 4,826 acres, and lays nine miles north of Dodge City, in the north part of Ford, and the south part of Hodgeman Counties. It is all fenced and cross-fenced; two good sets of improvements, consisting of dwellings, horse barns, cattle-sheds, granaries, etc.; 175 acres now in wheat and rye; 45 acres ready for spring crop; the remainder of the land all in natural grass. Three school houses adjacent to this land. This ranch is watered by several of the finest springs to be found in Western Kansas. Sawlog Creek runs through the land, and has in it pools of clear standing water the year round. All of this ranch is the very best of wheat land, and about 500 acres is splendid alfalfa land. We will sell this entire tract for \$10 per acre and carry \$4 per acre of the purchase price five years at 6 per cent, or will sell it in quarters, halves or sections, at a reasonable price and on same terms. This is one of the finest tracts of land in this part of the state, being surrounded by well improved wheat and alfalfa farms. Your last chance to buy this tract of land.

FRIZELL & ELY, Larned, Kans.

McPHERSON COUNTY FARM BARGAIN.

160 acres good wheat, corn, oats, and alfalfa land, 1/2 mile of good town, 150 acres in cultivation, 10 acres orchard and timber, good 5-room house, barn, granary, cattle-shed, hog-shed, etc., well of never-falling water and windmill. A bargain at only \$7,000. Can carry half this amount at 8 per cent.

Bremyer & Henderson, McPherson, Kas.

Norton County Alfalfa and Corn Farms.

We sell Norton County lands where wheat, corn and alfalfa grow in abundance. Write us for list of farms, and full particulars.

LOWE & BOWERS, Almena, Kans.

A Fine Kaw Bottom Farm

FOR SALE—A fine Kaw bottom farm with good improvements, about 40 acres of alfalfa, only five miles from Topeka, for \$90 per acre.

W. M. FORBES & CO.

107 West 7th St., Topeka, Kans.

FINE STOCK FARM FOR SALE

445 acres at a bargain on easy terms. Write for full description. D. P. Norton, Dunlap, Kans.

MISSOURI FARMS FOR SALE

Everman has a farm for every man. Write for description and price list.

John W. Everman, Gallatin, Mo.

A Cheap Wheat Farm in Stanton Co., Kans.

160 acres level as a floor. Deep, black soil, ready for the plow, in German settlement south part of the county. Price only \$800.

ALBERT E. KING, McPherson, Kans.

Home in Manhattan.

Best bargain stock farm in Kansas. 200 acres in tame grass, about half of it alfalfa. 50 acres in corn that is a big crop in a corn country. \$5,000 worth of improvements. 3 1/2 miles to town and shipping point; 5 miles to two other towns; 20 miles to Topeka. \$40 per acre. Write today. Bargains in twenty counties. New state map for 10c in stamps.

Manhattan Realty Co., Manhattan, Kans.

LEGAL.

First published in Kansas Farmer November 7, 1907.

Publication Notice.

In the District Court of Shawnee County, Kansas, Patrick Durkin, plaintiff, vs. J. E. Tierney and Alice R. Bates, defendants.

If the above named defendants are all they will take notice that they have been sued in said court by said plaintiff in the above entitled action. And if they are dead their heirs, devisees, administrators, executors and trustees will take notice that they have been sued in said court in said action by said plaintiff to foreclose a mortgage for \$400 given by said defendant, J. E. Tierney, on the 24th day of November, 1900, on lots 1 to 15 inclusive on Third Street, and lots 2 to 16 inclusive on Gordon Street, all in Block 21. And lots 1 to 31 inclusive on Third Street, and lots 2 to 32 inclusive on Gordon Street, all in Block 22; all in Plat of Blocks 21 and 22 in North Park Addition to the City of Topeka in Shawnee County, Kansas; and to sell said real estate according to law, and they are further notified that they must answer the petition filed by said plaintiff in said court in said action on or before the 19th day of December, 1907, or the petition will be taken as true and judgment rendered against them accordingly.

MATT CAMPBELL, Plaintiff's Attorney. Attest: R. L. THOMAS, Clerk.

NOTICE.

Notice is hereby given that we, the undersigned commissioners thereunto duly appointed by the Honorable A. W. Dana, Judge of the District Court of Shawnee County, Kansas, will on the 16th day of December, 1907, proceed to lay off according to law, for The Topeka-Southwestern Railway Company, along its route as now located from a point on said line, to wit: 55.1 feet north of the southeast corner of the southwest quarter of section two (2), in township twelve (12), south of range fifteen (15), east of the sixth p. m., to the west line of Shawnee County, Kansas, all lands necessary for the route for said railroad and all such lands as may be deemed necessary for side-tracks, depots, work-shops, water stations, material for construction, except timber, the right-of-way over adjacent lands sufficient to enable said company to construct and repair its road and stations and a right to conduct water by aqueducts and the right of making proper drains and appraise the value of that portion of any quarter section or other lot of land so taken and assess the damages thereto, which said lands desired by said railway company are particularly shown by the map and profile of said Company's line of railroad in said county, filed in the office of the county clerk of said county. We will commence to lay off said route as aforesaid on the line of said Company's railroad, as located at said point on its line, to wit: 55.1 feet north of the southeast corner of the southeast quarter of section two (2), in township twelve (12), south of range fifteen (15), east of the sixth p. m. in Shawnee County, Kansas, on said day and will adjourn from time to time until our labors in this behalf are completed. A. Dated the 12th day of November, A. D. 1907.

C. E. JEWELL, ED. BUCKMAN, WM. HENDERSON, Commissioners.

HIDES For many years consignments have been the special feature of our business. We understand what the shipper wants, send him the very best results. Quick returns. Top prices. Shipments invited. Full classified price list mailed regularly free on request. Established 1870. M. LYON & CO. 220 Delaware St. KANSAS CITY, MO. FURS

THE EIGHTH ANNUAL

International Live Stock Exposition

Union Stock Yards, Chicago, Nov. 30 to Dec. 7, '07

A week's education in breeding, feeding and marketing problems that no farmer or stockman can afford to have his family or himself miss.

Daily Sales of Pure-Bred Breeding Stock.

Tuesday, Dec. 3, 1 P. M.—50 Shorthorns from best herds. For catalogue write B. O. Cowan, Asst. Secy. American Shorthorn Association, U. S. Yards, Chicago.

Friday, Dec. 6, 10 A. M.—50 Choice Red Polled Cattle.—For catalogue apply to Geo. B. Buck, Sunny Hill, Ill.

Wednesday, Dec. 4, 1 P. M.—50 Choice Herefords.—For catalogue write C. R. Thomas, Secy. American Hereford Association, Kansas City, Mo.

Tuesday, Dec. 3, 1 P. M.—Rambouillet.—For further information write Dwight Lincoln, Milford Center, Ohio.

Thursday, Dec. 5, 1 P. M.—50 Aberdeen-Angus from Leading Herds.—For catalogue write Chas. Esher, Jr., Irwin, Iowa.

Wednesday, Dec. 4, A. M. and P. M., and Thursday, Dec. 5, P. M.—Shropshires.—Choice animals from flocks of G. Howard Davison, Millbrook, N. Y.; J. G. Hammer, Brantford, Ont.; T. A. Cox, Brantford, Ont.; and other well known flocks.

Friday, Dec. 6, 1 P. M.—50 Carefully Selected Galloways.—For catalogue write Chas. Gray, Secy. American Galloway Association, U. S. Yards, Chicago.

Thursday, Dec. 5, A. M.—Hampshire-Down and Cotswolds.—For full particulars write F. W. Harding, Waukesha, Wis.

LOW RAILWAY FARES. SALES HELD ON SHOW GROUNDS. NEW ATTRACTIONS.

Chicago rose 1% to 57% c, but there was a setback to 57 1/2 c, and the close was 1c up at 57 1/2 c.

Kansas City December corn rose 1/2 c to 50c.

Light receipts of corn everywhere and the small stocks at market centers encouraged speculative buying.

English corn prices closed 1/4 d to 1d higher. Chicago received 85 cars corn, against 388 cars a year ago.

The visible supply of corn increased 289,000 bushels. A year ago there was a decrease of 56,000 bushels.

The range of prices of grain and provisions in Chicago today were as follows.

Table with columns: Open, High, Low, Closed today. Rows for Dec, May, July for WHEAT and CORN.

Kansas City Live Stock Market.

Kansas City Stock Yards, Nov. 11, 1907. After Monday of last week cattle receipts were held down to a point slightly under the demand...

Hogs suffered a net decline of 70 cents last week, but the big break had the effect of shutting off supplies...

When writing advertisers please mention this paper.

GREAT CLOSING OUT SALE OF

Kentucky Jacks and Jennets

Having decided to retire from the jack business on account of my age, I will sell at public auction at my farm 2 1/2 miles from Parksville, Ky., on Tuesday,

November 12, 1907

40 head of jacks and jennets—all strictly first-class and highly bred. I have been a jack breeder for 50 years and consider this lot the best I have ever owned.

J. P. Harberson, Sr., Parksville, Ky.

AUCTIONEERS

Jones' National School of Auctioneering and Oratory, Chicago. Last winter term opens December 16. Free catalog. Carey M. Jones, Pres., 231 Ashland Blvd., Chicago Ill.

JAS. W. SPARKS

Live Stock Auctioneer Marshall, Mo. Sales of pedigree stock a specialty. Sixteen years selling for America's best breeders.

Col. T. E. Gordon,

Live-Stock Auctioneer Waterville, - Kansas

References—Those for whom I have sold.

HORSES AND MULES

HORSES AND MULES

FRANK IAMS'

"Peaches and Cream" stallion and mares are best investments for deposits, you have in "banks" and can't draw out. Waltz me around again Willie, then buy a stallion and two mares of Iams.

200 Percherons, Belgians and Coachers 200

Two to six years old, wt. 1700 to 2560 lbs., 80 per cent black boys, 50 per cent ton stallions. All registered and approved. Mamma, Iams is a hot advertiser, but he has "the goods".



\$1,000—SAVED AT IAMS'—\$1,000

Ikey, what a rich graft these "slick stallion salesman" are working on the honest farmer, selling fourth-rate stallions at \$2,000 and \$5,000!

References—St. Paul State bank and Citizen's National bank.

ST. PAUL, NEB.



ROBISON'S PERCHERONS

For sale now, 30 bred mares 20 young stallions

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

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Am now booked for sales of the leading breeds of pure-bred live-stock. Write me before arranging a date.

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23 East 6th St. TOPEKA, KANSAS Both Phones 780. Live Stock Sales a Specialty. Correspondence regarding pure-bred sales invited.

FRANK J. ZAUN LIVE STOCK AUCTIONEER. INDEPENDENCE, MO.

Rates reasonable. Write or wire me for dates. Phones: Bell, 536-M. Home, 1264.

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AUCTIONEERS

E. E. POTTER, Sterling, Kansas, Live Stock Auctioneer.

Pure-bred stock sales a specialty. Best of references. Write, wire or phone for terms and dates at my expense.

John Daum Nortonville, Kan. Live Stock Auctioneer

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.

W. H. TROSPER Frankfort, Kansas.

Reference: Anyone you may happen to know in Marshall County.

Big sale tent if desired. Prices consistent with first-class services.

EDUCATION IS ESSENTIAL IN EVERY LINE.

I have the natural qualifications for an auctioneer and have had the benefit of a term of training in the American Auction School located at Chillicothe, Mo., which school provides a thorough course not only in practical auctioneering but also stock judging and other things that very successful auctioneers should know.

W. C. CURPHEY, Abilene, Kansas

DUROC-JERSEYS

Woodlawn Durocs

25 head of fancy and spring boars for sale. They have good size, fine finish, and are sired by Shorty Orion, first at Illinois State Fair; Fancy Top Notcher, first at Kansas State Fair; Woodlawn Prince W. L. A.'s, Choice Goods; and are from large, mature dams. Write us. J. W. JONES & SON, Concordia, Kansas.

Chandler's Durocs J. F. CHANDLER, Frankfort, Kans.

We are now offering 35 head of choice males, March and April farrow, sired by Chandler's Wonder, son of the great Nebraska Wonder; and other noted boars. Dams contain the blood of the leading strains. Write me your wants or come and see.

BLUE VALLEY HERD REGISTERED DUROC-JERSEYS

Breeders of high-class, pure-bred Durocs. Leading strains of Duroc families represented in our herd. All correspondence given immediate attention; and young stock for sale at all times. See us at "American Royal."

WATTS & DUNLAP, Martin City, Mo.

125 Pedigreed Duroc Red Spring Pigs for sale cheap. Chas. Dorr, Osage City, Kans.

CHOICE REGISTERED Durocs, P. C. and O. I. C. hogs; Shorthorn, Jersey, and Galloway cattle; 40 varieties poultry and pet stock at farmers' prices; stamps for cat. A. Madsen & Sons, Atwood, Kans.

DUROC-JERSEYS—Large-boned and long-bodied kind. Bred gilts and fall pigs, either sex. Prices reasonable. E. S. COWER, Route 2, Scranton, Kans.

HILLSIDE DUROCS.

Seventy-five head of well-bred, well-grown March and April pigs. A few one and two year old sows.—W. A. Wood, Elmdale, Kans.

MADURA DUROCS.

The home of Miller's Model, by Funt's Model and Major Rosefelt a grandson of Ohio Chief; 100 fancy, growthy pigs; also bred sows and gilts for sale. FRANK J. MILLER, Wakefield, Kans.

OAK GROVE HERD OF DUROCS

Herd headed by Choice Goods H 86471 by Funt's Model and Corrector's Model 34881. I have for sale a few choice males of spring and fall farrow that will be priced worth the money. Sherman Reedy, Hanover, Kans.

OSAGE VALLEY DUROCS

30 spring boars and 50 gilts, mostly sired by the 500-pound Ohio Chief, Jr. 2d. Good length, bone and color. Special low prices for thirty days. A. G. DORR, Osage City, Kans.

Pleasant View Durocs

70 early pigs by Quality King 59831, Orion Boy 42137, and W's Top Notcher 59833. Also choice fall gilts at right prices. THOS WATKINSON, Blaine, Kans.

PEERLESS STOCK FARM

DUROC-JERSEY HOGS. Boar and gilt sale Nov. 1: 35 head, best of breeding and individuality. R. G. Sollenberger, Woodston, Kansas

Pigs Shipped on Approval.

200 head of Durocs, all ages, representing the blood of Combination, Valley Chief, and a son of Kant-Be-Beat. T. L. LIVINGSTON, Burchard, Neb.

Mission Creek Durocs

Herd headed by A. B. Top Notcher 47373 and Pawnee Chief 49489. Fall sale October 16, 1907. Write for catalogue. G. W. Cotwell, Route 2, Summerfield, Kans.

Silver Lake Durocs

Fall boars, bred right and priced right; also choice gilts bred to Kansas Buddy, a son of Buddy K. 225 spring pigs ready for shipment after July 1. W. C. Whitney, Agra, Kans.

B. N. WELCH,

Breeder of DUROC-JERSEYS. Crimson Chief 49609 heads my herd. Young stock for sale. WATERVILLE, KANS.

Howe's

DUROCS: 100 early spring pigs, the best I ever raised. Improver, Top Notcher, Sensation and Gold Finch blood lines. Call or write J. U. HOWE, R. S. Wichita, Kans.

Vick's

DUROCS are bred for usefulness. Choice young stock for sale by such great boars as Vick's Improver 47383, Red Top 32241, Fancy Chief 47383 and other noted sires. Correspondence invited. Visitors coming to Junction City and vicinity will be called for. W. L. Vick, Junction City, Kans.

RALPH HARRIS FARM DUROC-JERSEY HERD

For Sale—Boars ready for service sired by Wonder Lad 17369, carrying Incomar 7897a blood. Choice boar pigs that trace to Long Wonder, to Ingomar, and to Duroc Challenger. RALPH HARRIS, Prop. B. W. WHITE, Mgr. WILLIAMSTOWN, KANS. Farm station, Buck Creek, on the U. P. 45 miles west of Kansas City.

K. & N. Herd of Royally Bred Duroc-Jersey Swine

have a few gilts that I will sell at reasonable prices bred for April farrow. Also a few fall boars of September, '08 farrow. Write for prices and description.

R. L. WILSON, Chester, Neb.

Golden Queen Durocs

Herd headed by Crimson Jim 47905 and Lincoln Top 53387, two of the best boars in Nebraska. A number of choice gilts for sale bred to these boars for fall farrow. These gilts are all out of my best sows and will be priced right.

W. M. Putman, Tecumseh, Neb.

DUROC-JERSEYS

DUROC-JERSEYS

DUROC-JERSEYS

J. H. G. Hasenyager, Tecumseh, Neb. Breeder of Duroc-Jerseys Write me for prices.

Capital Herd Duroc-Jerseys.

Young boars and gilts for sale from such sires as Missouri Goldfinch, Long Wonder and Parker Boy, with excellent breeding on dam's side. All are good thrifty pigs. Call or write. J. S. White & Son, R. S. Topeka, Kans.

CRIMSON WONDER HERD.

Our Durocs are in fine shape. 300 head to pick from. Happy Hooligan 64671 by Crimson Wonder 33755 and winner in 8 months class, Crimson Lad I Am 62653, winner of 8d prize at Kansas State Fair, are both now for sale. Mr. and Mrs. Henry Shrader, Wauneta, Kans.

PLEASANT VIEW DUROCS

70 early pigs by Quality King 59831, Orion Boy 42137, and W's Top Notcher 59833. Also some choice tried sows at farmers prices. Thos. Watkinson, Blaine, Kans.

CRIMSON HERD OF DUROCS

Herd boars, Red Perfection by Leona's Chief, Allean Gold Dust by Parker Mc., and Red Pathfinder by American Royal. Iowa Girl still farrowing good litters. The best blood lines of the breed with size and quality combined. Spring pigs for sale. J. W. Reid, Portis, Kans.

PRAIRIE QUEEN DUROCS

70 early springs that are tops, by the great Kant Be Beat, Alex Heir, and Wilkes Echo out of daughters of Ohio Chief and Villager Pride, and other good ones. G. H. RAMAKER, Prairie View, Kans.

CHASE COUNTY HERD OF DUROCS.

Golden Chieftain, a grandson of Ohio Chief 8727-A, Harter's Choice, a granddaughter of Crimson Wonder and first and grand champion sow at St. Joseph, 1907, and others of the best breeding. Young stock for sale at all times. J. H. Gayer, Route 1, Cottonwood Falls, Kans.

GOLD DUST HERD DUROCS

Twenty toppy spring boars sired by Kant-Be-Beat, Improver II, Hogate's Model, Lincoln Wonder, and our herd boars, Crimson Russell 52463 and Kant's Model 52471, out of our best sows. They are strictly first-class and we are pricing them very low for quick sale. Write your wants.

Minor & Aitken, Tecumseh, Neb.

Chapin's DUROCS

Home of Model, Chief Asain, King of Cols II, Red Raven and C. E. Col II; 17 1/2 early pigs; 45 fall gilts, and a lot of proven sows to select from for us

Public Sales to be held Oct. 30 '07 and Jan. 28, '08. GRANT CHAPIN, - Greene, Kans.

FOUR-MILE HERD DUROCS

Choice fall boars by Orion Jr. 31497, and Ohio Chief 24 41197. 50 spring boars, growthy, heavy bone, good feet, nice color; sired by the above named males, and E's Kan't Be Beat 57583, Crimson Chief 31263, Rose Top Notcher 54059, You Bet 31111, Tip Top Notcher 20729, and other noted sires. Sows of the best and leading families. Write or visit herd. Visitors met at trains. E. H. Erickson, R. 1, Olsburg, Kans.

Otatop Herd Duroc-Jersey Swine

Composed of nothing but prize-winning blood. Pigs for sale of either sex.

JOHN W. TAYLOR, Edwardsville, -:- Kansas

Haith's DUROCS

Herd headed by Lincoln Top 53287 and Ed's Improver 49637. A fine lot of pigs for sale sired by these grand sires, Kant Be Beat, Royal Ohio Chief, Lincoln Wonder, Lincoln Top, Arion and other great boars. Also a few good sows for fall farrow bred to Lincoln Top.

W. W. HAITH, Vesta, Neb.

EUREKA MANOR HERD OF DUROC-JERSEYS.

Choice breeding stock; the best I ever raised. Fall and spring boars, fall and spring gilts, and tried sows, bred or open. Prices the lowest, quality and breeding the best. Herd headed by Eureka Tip Top 43641 sired by the great World's Fair grand champion Tip Top Notcher 20729 and Olathe Chief 61629 by Ohio Chief 8727, the world's champion. Write your wants or call and inspect my herd. J. F. ENSOR, Olathe, Kans.

Klondyke Durocs

100 choice spring pigs, both sexes, by Chief Model, and Prover, a son of Improver 2d and out of Kansas Wonder dame. Spring pigs, either sex, for 30 days at \$12.50, \$15 to \$20. Only tops shipped on mail orders. Write for description and prices.

G. E. Newton, Whiting, Kans.

ROSE LAWN Duroc-Jerseys

I have several high-grade Lincoln rams for sale.

L. L. Vrooman, Rose Lawn Place, TOPEKA, KANSAS.

DEEP CREEK DUROCS

Spring boars for sale grandsons of the great Hunt's Model 20177. Others sired by Lincoln Wonder, the \$2,000 hog. Address C. O. Anderson, Manhattan, Kans.

Deer Creek Durocs

100 pigs of March and April farrow by sons of Ohio Chief, Top Notcher and Kant Be Beat. Ready for shipment after July 1. Bert Finch, - Prairie View, Kans.

Fairview Herds Durocs and Red Polled

Some good young boars by Crimson Challenger 48777 for sale. No females or Red Polled Cattle for sale now. J. B. Davis, Fairview, Brown County, Kans.

ATTENTION

How rears of every kind. Had you forgotten that this is just the time to buy that male pig to head your herd? Well it is a fact and you had better get in line and come to the Rosebud and get something fine. Rosebud Stock Farm, Rathbun & Rathbun, Proprietors, Downs, Kans.

WESTLAWN DUROCS

Herd headed by Bobby B., a son of 2d Cinnamon, 1st prize boar at Missouri State Fair 1903. Stock always for sale. Choice fall boars and gilts. Also young Shorthorn bulls from heavy milking dams. Prices reasonable. E. B. Grant, R. 9., Emporia, Kans.

Elk Valley Durocs

Herd headed by Doty Boy 20778, a son of the champions Goldfinch and Dotie. My sows are by prize-winning boars. Choice pigs of both sexes for sale. M. Wesley, - - - Bancroft, Kans.

CUMMINGS & SONS DUROCS

100 toppy pigs of early March farrow, by Lincoln Top, Junior Jim, Tip Top Notcher Jr., Kant's Model, Beautiful Joe and our herd boar OH HOW GOOD, second prize-winner at Nebraska State Fair. Sale in October; write or visit. W. H. Cummings & Son, Tecumseh Neb.

MAPLE ROW HERD OF DUROC-JERSEYS.

The best blood of the breed from the famous sires, Crimson Wonder 26955, Crimson Jack 30611, Crimson Hoch 52563, also Pear Wonder 31893, Fancy Wonder 14406 and Wichita Prince 57671. March and April boars and gilts to be sold at farmers' prices. Pigs bought and taken away before December 1, special price. F. L. McCLELLAND, Berryton, Kans.

GOLDEN HERD DUROC-JERSEYS

Boars in service are Sons of Kant-be-beat, Ohio Chief, Tip Top Notcher, Proud Advance. All the famous strains represented. Choice gilts bred for fall farrow and some fall boars for sale. FALL SALE NOVEMBER 9th. N. J. Fuller, -:- Garnett, Kans.

Staad's Durocs

Boars in service: Long Wonder 21867, the great thousand pound Nebraska State Fair winner; Nelson's Model 22995, first in class Nebraska State Fair, with over 60 in class, a great son of "Can't Be Beat," out of Top Notcher sow.

Young boars for sale, by Long Wonder and Nelson's Model; also sows and gilts bred and open. J. F. STAADT, - Ottawa, Kans.

Lamb's HERD OF DUROCS

is built along the most fashionable blood lines and is noted for the individuality of its make-up. 50 fine pigs sired by the great Hanley, Lincoln Top, Buddy L by Buddy K IV, Crimson Jim, Ambition and other great sires. We invite correspondence with prospective buyers.

Elmer Lamb, Tecumseh, Nebr.

Timber City Durocs

Fall and spring boars by You Bet 31111, Doty Wonder 41889, Geneva Chief 8949, Rose Top Notcher 54059, and others. Sows bred to the above boars for sale. Over 400 head in herd, write your wants. SAMUELSON BROS., Bala, Kans. and Cleburn, Kans.

Elk Creek Durocs

One 2-year-old boar by Improver 2d and out of Nebraska Bell. Also one yearling boar by Old Spruce, (a son of prize-winners) at living prices. 160 pigs of early spring farrow by Kant Be Beats Best, and Bell's Chief 2d, ready for shipment after July 1. J. E. JOINES, Clyde, Kans.

Orchard Hill Herd of Duroc-Jerseys

Twenty-five males sired by Norton's Top Notcher 45115, he by Tip Top Notcher, and other good sires and dams of popular strains; prices reasonable. Send for catalog. R. F. Norton, Clay Center, Kans.

STAR HERFORDS AND DUROC-JERSEYS.

FOR SALE: Car load of cows and heifers, 15 bulls, 8 to 18 months old; also Duroc-Jersey swine, any age, either sex.

SAM'L D'YBREAD, Elk City, W. Va.

POLAND-CHINAS FAIR VIEW STOCK FARM

Show yard type Poland-Chinas, headed by Corrector Sunshine 101835. A few choice pigs for sale. A. K. Seli, Fredonia, Kans.

BOARS, BOARS.

Choice spring males at right prices, by Grand Chief Masterpiece, Nonpareil Choice Chief, R. L. 2nd, and other noted sires. Call on or write THOS. COLLINS, R. 4, Lincoln, Kans.

Stalder's Poland-Chinas

I have pigs for sale from the leading strains of the country. Prices reasonable. Write for full particulars. O. W. Stalder, Salem, Neb.

SUNNY SLOPE POLANDS

10 heavy boned, stretchy fall boars, by Wadley and Thompson's Choice; also gilts and tried sows bred to Impudence I know 45180, at right prices. W. T. Hammond, - - - Portis, Kans.

Becker's POLAND-CHINAS; 40 choice pigs; the easy feeding, early maturing kind; by Dandy Rex; first in class at Kansas and Colorado State Fairs 1905-06. Prices reasonable. J. H. BECKER, Newton, Kans.

Somerheim Farm Poland-Chinas and Holsteins

For ready sale at a bargain, the herd boar, Capital Prince 45129, by Prince Darkness. Can use him no longer. Also several early spring boars that will make lusty herd headers and a number of richly-bred gilts. James B. Zinn, Box 348, Topeka, Kans.

POLAND-CHINAS. SHORTHORNS.

A few thrifty young bulls and boars of the best breeding from champion and prize-winning families. Prices reasonable for quick sales. E. M. BUCK, Route 2, Eskridge, Kansas

Esbon Herd of Poland

I have some tried sows bred to Speculator 43625 for October farrow. W. C. TOPLIFF, - - - Esbon, Kansas

Belleville Herd of Heavy-Boned Poland-Chinas

We have large growthy spring boars, with heavy bone and great size combined with quality. Also gilts open or bred. Call on us and inspect our herd or write us your wants. W. H. BULLEN & SON, Props. 1 Mile Southeast of Belleville, Kans.

Clover Lawn Poland

My spring crop of pigs is coming nicely. Those who are interested in buying a good boar or gilt should write me or arrange to attend my sale, October 24, 1907. JOHN R. TRIGGS, Dawson, Neb.

Home of Indiana 2d.

You all know the record of this great young boar. Come and see him and the many other sons and daughters of world and State Fair champions in our herd. PLACE TO GET HERD-HEADERS. TRY US. They have size, finish, easy feeding qualities with hot pedigree, the kind sought after by the farmer, breeder and showman. We price them right. Come or write us. HOWARD REED, Frankfort, Kans.

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