

# KANSAS FARMER

For the improvement  of the Farm and Home

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Established 1863. \$1 a Year

**W**HAT is this cow worth?

This picture Mr. Reid has drawn is that of Lakeside DeKol Queen, one of the dairy queens of Nebraska. She produced in one year 706 pounds of butterfat and won a \$50 prize offered by the Beatrice Creamery Company.

Her butterfat at 25 cents per pound returned \$176.50; the skim milk is worth for feeding \$40.00; a total for products of \$216.50; her feed cost for one year does not exceed \$90.00. The net return over feed cost, \$126.50, is six percent interest for one year on \$2108.

The average Kansas cow with her annual butterfat production of 121 pounds, demands as much feed for body maintenance, occupies as much stall room, and requires the same labor in stall cleaning, and in preparation for milking as the cow pictured.

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—G. C. W.



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**Summer Beef Supply Short**

*Record Purchases of Stockers—But Thirty Per Cent Fewer Cattle on Kansas Pastures Than a Year Ago*

**S**HORTAGE prophets who have been pointing to a decided reduction in the beef supply of the United will have a great inning this summer in the United States. The outlook now points to a heavier decrease in the marketing of grass and dry lot cattle next summer and fall, especially at Kansas City, than has been recorded thus far this year.

KANSAS FARMER market correspondent has been making careful inquiry into the outlook for the 1914 summer and fall beef supply through conservative channels. And while every sign points to reductions in marketing, one thing should be emphasized in this connection—the probable decrease in the supply does not give promise of affecting prices bullishly to the extent extreme optimists consider likely. While most of the beef cattle at Kansas City are selling now between \$7.50 and \$9, there may be a rise of 50 cents and perhaps \$1 in the extreme ranges this summer and fall. Grass animals are hardly expected to show such buoyancy this summer and fall. It is possible, in the opinion of the dealers who look conservatively upon the future, that a top of \$10 will be scored on the best grades of dry-lot beef cattle. But such an advance is conditional to a degree upon improvement in economic conditions. When beef reaches a level much above present prices, there are many consumers who are eliminated as buyers because of their inability to pay for the dressed product, and so the market is held down. If the country is more prosperous this summer than a year ago, there will be greater chances for a higher market for cattle producers. But present prices generally average near a record.

To discuss probable prices before outlining the probable supply, is a bit unusual from the cattle salesmen's standpoint. But such a course is necessary because of the danger of over-enthusiasm among grazers and feeders of cattle. The past winter has not returned most dry-lot feeders profits largely because they were too enthusiastic in purchasing stockers and feeders last fall. Conditions in Kansas and neighboring states are reaching a stage where increased facilities are being provided for an expansion in the future production of beef. It is essential, while the Southwest is on the threshold of such a future, to have a fair, healthy discount between stocker and feeder and finished cattle values. There is no such discount with stockers and feeders selling at Kansas City at \$6.25 to \$8.15, against \$5.50 to \$8 a year ago and feeders at \$7 to \$7.85 against \$7.25 to \$8 a year ago. Finished beef cattle are quoted on a range of from \$7.25 to \$9, against \$7 to \$8.60 a year ago.

Kansas, as usual, will play an important role in the summer beef producing industry in this country. Its flint hills pasture district has a national reputation for turning out thousands of cattle, but this summer the Kansas flint hills country will carry at least 30 per cent fewer cattle than a year ago. This is due in a large measure to the insistence of stockmen on increased areas per animal in making leases. At this time last year from four to six acres were allowed per steer in the flint hills. From two to three acres more are being taken per animal this season. Hence, if, as is now probable, little idle grass remains, there will be approximately 30 per cent fewer cattle on the flint hills. This means that this rich pasture district will carry about 140,000 cattle this summer, compared with 200,000 in 1913.

In the Osage pasture district of Oklahoma a still greater decrease is now indicated in the summer pasture operations. As a result of over-grazing in the last few years and the extreme drouth of 1913, the Osage pastures are in such poor condition in many places that from six to ten acres are being taken per head there. Conservative reports point to a cut of nearly 50 per cent in cattle pasturing operations in the Osages, or 75,000 less than in 1913.

**NO INCREASE IN OTHER AREAS.**  
The flint hills and Osage territories, therefore, promise to have approximately 135,000 fewer cattle for the late summer and fall market than a year ago or two years ago. This decrease, according to all present signs, will not be offset by sales from other sections. Colorado and New Mexico are prominent shippers late in the fall, but these two

states combined sent only 125,000 cattle to the Kansas City market all of last year. The New Mexico shipments were about 50,000. It is not likely that either of these two range states will have more than last year, if as much. Texas will clean up its fat cattle crop early, as it has excellent grass conditions. Missouri and Kansas dry-lot feeding operations will be on a very limited scale, which is forecasted by their very meager purchases of feeder animals this spring and by their low supply of feedstuffs. Nebraska is in no better position to finish beef in dry lots, and fat animals from farm pastures of these states will not be plentiful, as they have marketed from wheat pastures recently, hundreds of cattle which they intended to finish on grass this summer.

Chicago and other leading Western markets outside of Kansas City will not have as great a decrease in receipts, excepting St. Joseph, as the principal Kansas market, but their supply territory is without signs of abundance. Foreign imports may increase, but their extent is uncertain.

A remarkable feature of the trade in cattle at Kansas City so far this year is the fact that shipments of stockers and feeders for the first four months broke all records for that period in the face of the lightest aggregate cattle and calf receipts in more than a decade. The following table shows the receipts of cattle at Kansas City and the shipments of stockers and feeders from January 1 to May 1, 1914, with comparisons:

FOUR MONTHS.	TOTAL CATTLE RECEIPTS.	STOCKER AND FEEDER SHIPMENTS.
1914. . . . .	468,413	188,138
1913. . . . .	548,385	185,161
1912. . . . .	497,028	127,842

Thus, while Kansas City received 79,972 less cattle from January to May this year, it sold 12,977 more to stocker and feeder buyers. This means that packers and other slaughterers obtained 90,940 fewer cattle and calves than in the corresponding four months of 1913.

Such high prices have been paid for cattle to go to Kansas pastures that extraordinary prices will be necessary to enable grazers and feeders to earn a profit. The other day, for example, a shipment of aged Texas steers that cost \$80 per head was made to the flint hills district for grazing. The high prices doubtless tended to reduce the pasturage operations, as even some bankers insisted upon wider margins in making loans, thereby preventing stockmen in scattered localities from going into the business this season. This explains why there is a greater percentage of cattle in first hands on Kansas pastures than in years.

Most of the pastures leased in Kansas have been taken at \$4.50 to \$7 per head for the season. While this price is only slightly lower than last year, it should be remembered that much more grass is being given.

Many Kansas pasture owners who failed to lease their grass have been buying cattle for summer grazing at Kansas City. Besides, dozens of Kansas farmers who fattened cattle on wheat fields this winter unexpectedly, have also been restocking, making purchases on the Kansas City market. These two facts, together with the depletion of holdings as a result of the drouth of last year, explains the purchase of the record April total of 658 cars, or about 22,000 head, of stocker and feeder cattle on the Kansas City market. In April, 1913, Kansas purchased only 408 cars of stockers and feeders at Kansas City; in April, 1912, its purchases were 570 cars. So far this year, the Kansas purchases of stockers and feeders at Kansas City aggregate 2,047 cars, against 2,177 the same time in 1913 and 1,839 in 1912.

In the event feed production this year is as heavy as now anticipated, there will be a scramble for feeder cattle during the summer and fall which will be felt keenly by packers. This, of course, will help the general market just as the stocker demand has helped the past month. But KANSAS FARMER market correspondent believes feeders should not fail to remember at all times in their dealings that there is a limit to the prices consumers and the packers will pay for beef. American markets are pretty close to that limit, and for many consumers of the wage earning class, the limit has already been passed.

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# KANSAS FARMER

With which is combined FARMER'S ADVOCATE, established 1877.  
 Published weekly at 625 Jackson St., Topeka, Kansas, by THE KANSAS FARMER COMPANY.  
 ALBERT T. REID, President. JOHN R. MULVANE, Treasurer. S. H. FITCHER, Secretary.  
 T. A. BORMAN, Editor in Chief; G. C. WHEELER, Live Stock Editor.  
 CHICAGO OFFICE—604 Advertising Building, Geo. W. Herbert, Inc., Manager.  
 NEW YORK OFFICE—41 Park Row, Wallace C. Richardson, Inc., Manager.  
 Entered at the Topeka, postoffice as second class matter.  
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 KANSAS FARMER aims to publish only the advertisements of reliable persons or firms, and we guarantee our subscribers against loss due to fraudulent misrepresentation in any advertisement appearing in this issue, provided, that mention was made of KANSAS FARMER when ordering. We do not, however, undertake to settle minor claims or disputes between a subscriber and advertiser, or be responsible in case of bankruptcy of advertiser after advertisement appears. Claims must be made within thirty days.



## SWAT THE SCRUB.

Swatting campaigns seem to be all the go these days. We have been "swatting the fly," and just recently a campaign to "swat the rooster" has been launched. When we consider all the loss that has been inflicted upon agriculture by the scrub horses, scrub cows, scrub hogs, scrub chickens and scrub methods of every kind, why would it not be a good plan to start a vigorous swatting campaign to get rid of this great handicap to progressive efforts?

The use of scrub sires has more to do with our lack of progress in our live stock business than any other one factor. It has been estimated that the average milk cow of Kansas produces only about 120 pounds of butter fat per year. The use of good, pure-bred sires with advanced registry backing will, in a few years, raise the average production of the dairy herds in the state to two or three times this amount.

Good, pure-bred bull calves of the dairy breeds, with advanced registry backing, can be purchased in our state at from \$75 to \$100; and yet we find men all over the state buying grade bull calves for breeding purposes and in some cases paying as high as from \$25 to \$35 per head for calves only a few weeks old. As an improver the grade is an absolute failure.

It is not to be wondered at that the breeders of pure-bred stock sometimes get discouraged when they see this prevailing tendency to purchase the low priced animal for breeding purposes. They cannot be called cheap at any price.

In glancing over the live stock advertisements in some of our farm papers, we even find grade bull calves being advertised right along in the same columns with the animals offered by breeders who are offering the best of registered animals with high class producing ancestry back of them.

As a breeding animal the scrub or grade sire should be given no recognition whatever. KANSAS FARMER has for years argued incessantly against the use of the scrub and grade sire and we intend to continue our "swat the scrub campaign," not only in our reading columns but in our advertising columns as well.

## FIGHT THE FLIES.

The mathematical sharks tell us that one fly killed now means a million less enemies to public health next summer. Flies breed with such rapidity and have been so long accepted as a necessary evil that little effort has commonly been made to reduce their numbers. Flies find their ideal breeding places in piles of barnyard manure and litter which accumulates around the stables and yards. If all such manure and material could be hauled to the fields regularly every few days, innumerable flies would be destroyed before they emerged from the larval form.

It will require a little forethought and special planning on the farm to follow this practice of removing the manure which tends to accumulate; but even laying aside the results in fly extermination, the practice is a good one from the standpoint of getting the best results in fertilizing value.

During the summer season five days may be sufficient to produce a brood of flies from the egg to the mature fly, so that in warm weather manure must be removed very frequently. The use of some of the approved fly traps about the stable would destroy a great many flies. Dishes kept about the barn, containing solutions of bichromate of potash, destroy a great many flies and is harmless to the various animals.

## PREACHERS STUDY AGRICULTURE.

During a 10-day period from July 6 to 16 inclusive, preachers of Kansas are planning to gather at Kansas Agricultural College and receive lectures and demonstrations pertaining to practical methods of agriculture from the various professors of the agricultural college. The studying of agriculture, however, is not the primary reason for this 10-day

gathering. What is the matter with the rural community? and what can be done to help build up the social life of the neighborhood? are questions which will be prominently before those gathering for this 10-day conference of rural leaders.

This is the fourth meeting of this kind which has been held, but previous meetings have been only of two or three days duration. Those in attendance at these previous meetings asked that a full 10-day course be arranged and pledged themselves to co-operate to the fullest extent possible. A good, strong course has been provided for the preachers, Y. M. C. A. workers and others interested in rural leadership. Rev. Walter Burr, who has recently been appointed as first director of the rural service department, will have charge of this school and will soon announce the daily program in full. Some of the leading rural life workers of the country will be present, including Dr. T. N. Carver, director of the rural service department of the Federal Department of Agriculture, and Dr. Henry Suzzalo of Columbia University, New York City.

The churches of Manhattan have arranged to provide lodging and breakfast for all those who may attend this school for rural leaders. Those expecting to attend should send in at once their requests for programs and accommodations to Rev. Walter Burr, Manhattan, Kan.

## MODEL MILL OPENED.

The Southern Kansas Millers' Club and the Southwestern Hard Wheat Millers' Club held a joint meeting at the Kansas Agricultural College, Friday, May 22. The millers' short course was in full swing during this conference. This meeting really constituted a sort of formal public opening of the model mill which has been installed in the new

agricultural building. The fact that such a mill has been installed may perhaps not be generally realized by the farmers of Kansas. Nothing could be more appropriate, however, than the installation of such a model mill where the most up to date instruction can be given and investigations carried on concerned with the modern milling of wheat.

Kansas is the great wheat state of the Union and the prospects at the present time are that this year will see all her previous records in wheat production surpassed. The fact that a large per cent of the wheat produced in Kansas has not been milled within the state has been given considerable attention by our leaders in agricultural thought. There is no reason whatever why the milling of the wheat which we produce, could not take place, to a large extent, within the borders of the state. The bringing about of this condition could not but help be of great economic importance. Having the by-products resulting from the milling of the enormous quantities of wheat produced, close at hand for feeding purposes would mean much to the live stock industry of the state.

Millers were present at this meeting, not only from Kansas but from Oklahoma, Nebraska and Missouri. It certainly is to be hoped that the development of the milling industry of Kansas may be given a great impetus as a result of the installation of this model mill in connection with the experiment station and the college.

The Palace of Education of the Panama-Pacific International Exposition at San Francisco in 1915 will contain the largest and most exhaustive child welfare exhibit ever assembled. The department of education, under the direction of James A. Barr, will be devoted to the study of child culture, rather than to the exploitation of pedagogic theories.

## STATE CONTROL OF SERUM.

The movement which has been started by the Live Stock Sanitary Association of the United States for the purpose of urging state regulation of the hog cholera serum industry, is certainly deserving of the hearty co-operation of the farmers of our state. Thoroughly dependable serum is absolutely essential in the securing of satisfactory results through this method of preventing hog cholera.

With the enormous demand for the serum, numerous plants for its manufacture have sprung up all through the hog producing states. Some of these plants have been handled almost purely from a graft standpoint, the serum produced having no virtue whatever. A federal license is required for all plants handling serum in interstate business. The requiring of this federal license makes it possible to supervise and regulate all the firms manufacturing serum doing an interstate business. Concerns operating strictly within the state, however, can evade the federal regulations.

The United States Live Stock Sanitary Association, which is composed of the leading veterinarians of the whole country, feel that every state should take up at once this matter of exercising the closest supervision of all concerns manufacturing and handling serum within its borders. Hogmen all over the country should be interested in eliminating the quack and grafter from this industry which has so much to do with the conservation of the hogs of the state.

## ALLEN COUNTY TESTS KAFIR.

The agricultural agent of Allen County, in the course of his first few months work there, found the impression generally prevailing that kafir had run out and that feterita or some other crop would be better than to continue trying to grow kafir. The fact that kafir has run out has been observed pretty generally over Kansas and it is not to be wondered at considering the manner in which the crop has been handled since its introduction.

The agent of Allen County, as a result of this settled belief which exists in his county, has planned this year to definitely study this problem. Comparative tests are to be made of kafir and feterita together with milo grown under similar conditions on 19 different farms in the county. Red kafir, African, black-hulled white, and white-hulled kafirs will all be used in these tests and they will be made on practically every type of upland soil.

While we have an experiment station in our state to make trials of this kind it is hard for the farmer to avoid doing a certain amount of experimental work on his own responsibility. This kind of experimental work, which is being carried on in this co-operative manner in Allen County, cannot help but be of great value to all farmers of the county. Co-operative tests of this kind, carefully conducted, will develop the fact that it pays to give careful attention to the improvement, of not only kafir but of all other farm crops.

## LIPPINCOTT HONORED.

Prof. W. A. Lippincott, who is one of the most broadly educated poultrymen in the United States, has recently been elected president of the Kansas branch of the American Poultry Association. Professor Lippincott has been developing some splendid constructive work in poultry husbandry at the Kansas Agricultural College in Kansas, and is known throughout the country as a poultry expert.

Poultry work at the Kansas Agricultural College and Experiment Station has had a varied career. At times in the past it has almost been dropped entirely. At the present time, however, it is fully recognized as one of the important phases of college and experiment station work, and is well established upon a sound and substantial basis.

## Do You Want Harvest Hands? Do You Want Work?

**K**ANSAS FARMER will again act as a clearing house for harvest hands. Last year the plan worked like a charm. Hundreds of farmers needing help were placed in touch with hands. Hundreds of hands were sent to farmers needing them. Men and hands within twenty miles of each other were brought together through filling out the harvest hand coupons which appeared in KANSAS FARMER.

At the date of this writing indications are that a record breaking wheat crop will be harvested. The need for help in saving this great crop will be most urgent.

KANSAS FARMER coupons are printed below. You are invited to avail yourself of our services to the fullest extent. They are absolutely free.

Farmers wanting harvest hands, fill out this coupon and mail at once to KANSAS FARMER, T. A. Borman, Editor, Topeka, Kansas.

When will your harvest begin?.....  
 Number of men needed: Shockers.....; pitchers.....;  
 stackers.....; extra teams.....  
 What have been the prevailing harvest wages per day?.....  
 Will you need men after harvest and at what kind of work?.....  
 Name.....  
 Address.....R. F. D.....State.....  
 Telegraph Office.....Telephone Address.....

If you want to work in the harvest fields, fill this out and mail to KANSAS FARMER, T. A. Borman, Editor, Topeka, Kansas.

Name.....Age.....  
 Occupation..... Have you ever worked  
 in the harvest fields or at outside day labor?.....  
 Can you go to any county?.....Do you want to work after  
 harvest, and what kind?.....

If you have a team, or harvesting outfit, and want to give additional information, write on separate sheet. We will endeavor to put every man who applies, into direct communication with the farmer nearest him, needing help.

KANSAS FARMER will make no charge whatsoever, to anyone, for the service rendered, unless you ask information by telegraph or telephone, in which case you will pay the charges.

Fill out one of these blanks and mail at once to KANSAS FARMER, T. A. Borman, Editor, Topeka, Kansas.



# FIGHT AGAINST HOG CHOLERA

*Government to Spend \$20,000 in Cleaning Hog Cholera From Marshall County—U. S. Live Stock Sanitary Ass'n. Urges State Control of Serum*

ATTENTION has been called in columns of KANSAS FARMER from time to time to the nationwide campaign which is to be made to eradicate hog cholera from the United States. An appropriation of \$500,000 has been made by the National government and it has just recently been announced that Marshall County has been designated as the county in which the co-operative government work will be carried out in Kansas.

It is hoped to absolutely eradicate hog cholera from this county, which is one of the great hog producing counties of the state. The work is to be handled in a co-operative manner. According to the statement of Prof. W. M. Jardine of the Kansas Experiment Station it is to be strictly team work, in which the Federal government, the Live Stock Sanitary Commission of Kansas, and the Kansas Experiment Station will work in the closest co-operation.

The Kansas Experiment Station will furnish one man to do educational work in the county and to help bring about the proper co-operation of the farmers concerned. The State Live Stock Sanitary Commissioner will furnish a man to look after the necessary quarantine and sanitation measures.

The county has definitely accepted the proposition and has elected a president, secretary, treasurer and vice president, representing each township, of which there are 25 in the county. These vice presidents are to be presidents of the township organizations which are to be made, having in addition to the president, a secretary and treasurer and nine associate officials; each of these associate officials to have charge of about four sections of land.

The experiment station is now planning to make a hog survey of the whole county. The fullest of statistics regarding the hogs of the county at the present time, the number grown in 1913, and the losses from cholera during that season will be secured. These statistics will be secured through the local organizations in the townships, and so far all the farmers concerned seem very enthusiastic over the project.

When the station has completed this survey work and has the statistics all in shape, the Federal government will send a man to take charge of the serum work and to work out other details. The whole object of this experiment is to demonstrate the feasibility of absolutely eliminating the hog cholera from a given area, and the government has estimated that it may cost in the

neighborhood of \$20,000 to carry out their end of the project.

Strict quarantines will be enforced as to sanitary conditions. The first work will be to quarantine every outbreak of cholera and treat the hogs. It is not likely that any of the government men will go on to a man's place where there has never been cholera for a number of years. The whole plan of the work will be to prevent the spread of the disease wherever it may break out.

According to Dean Jardine the intention is to make the work thoroughly practical in whatever they do. It is not

We have devoted this much space to this demonstration, since every hog-growing section of the state is vitally interested in the elimination of hog cholera and will anxiously watch the results of the work in Marshall County.

There is another phase of the hog cholera question which has been given the most careful consideration by live stock sanitary officials all over the United States. The rapid introduction during the past few years of the use of hog cholera serum as a hog cholera preventive measure, has resulted in the springing up all over the country of a

ing serum to be used to control the hog cholera situation.

With the large number of commercial laboratories in operation all over the country, it is becoming more and more apparent that some method should be devised for standardizing the method of serum production and that there should be close supervision and inspection of all plants manufacturing and distributing serum. A committee composed of some of the leading live stock sanitary officials of the United States was appointed at the seventeenth annual meeting of the United States Live Stock Sanitary Association held in Chicago last December, to report on this matter of uniform methods for the control of hog cholera.

Through the executive committee of this association, which recently held a special session in Chicago, recommendations were drafted and addressed to the governors of the various states, recommending immediate action by state authorities for state control of hog cholera serum laboratories operating within the various states without a Federal license.

The gist of these resolutions are, that all state authorities are advised to adopt regulations whereby all hog cholera serum plants may be inspected and their products supervised under certain definite regulations as to methods of procedure, which may be considered consistent and advisable by the state officials.

The following statements are made in connection with these resolutions:

Hog cholera gives promise of being prevalent during the coming season.

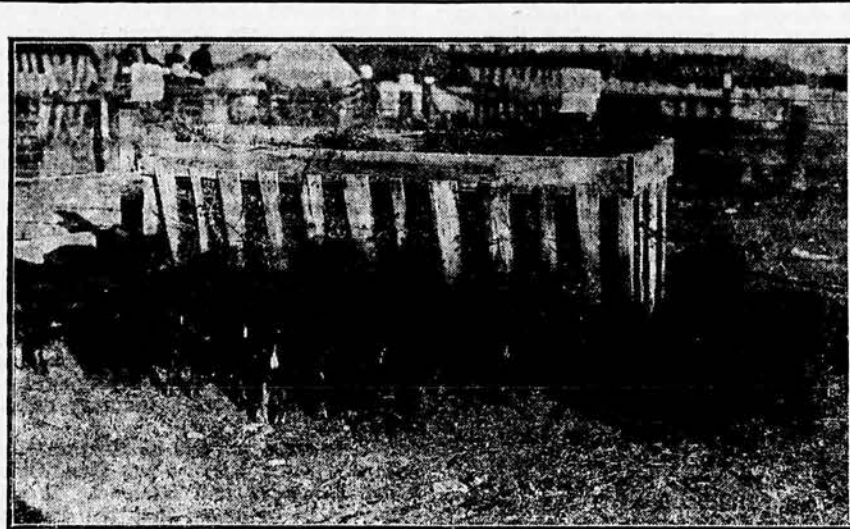
Reliable hog cholera serum as produced under the Dorset-McBride-Niles system is of great value in controlling and suppressing the disease.

It has come to the knowledge of this committee that many hog cholera serum plants are in operation in various states which plants are not licensed by the U. S. Department of Agriculture nor under Federal or state supervision.

We believe there is much serum being placed upon the market, which may be absolutely unreliable and a detriment to hogs upon which it is used.

Attention has been further directed to the placing on the market of fictitious serum, which in some cases is known not to have contained any animal serum.

There is no question but that some movement of this kind will be absolutely essential in order to secure the most satisfactory results in the use of hog cholera serum in the controlling and eliminating of this disease.



A HEALTHY LOT OF PIGS GIVE GREAT PROMISE FOR GOOD FUTURE PROFITS. THE HOG CHOLERA SPECTER, HOWEVER, IS ALWAYS LURKING NEAR AND THE HOGMAN NEVER FEELS SAFE UNTIL THE PORK IS MARKETED.

the intention in eliminating hog cholera from the county to use any measures tending to hinder the hog business there this year or at any time. The intention will be to so handle the whole matter as to enable every man to grow more hogs rather than less.

The conditions seem especially favorable for this experiment. Even those who doubt the efficiency of the method are being open minded and will to give it a fair trial. It apparently is the intention to carry on the work until the cholera has been absolutely eliminated from the county or until it has been proven beyond a doubt that it cannot be eliminated in this manner.

great many laboratories for the preparation of this serum. There is at the present time \$299,000 invested in serum laboratories at the various experiment stations in the United States. These laboratories, however, cannot begin to supply the quantities of serum required; it is questioned in some sources, in fact, whether experiment stations are justified in greatly enlarging their capacities for producing serum in a commercial way. The true function of the experiment station is, of course, investigational and these laboratories to considerable extent undoubtedly have been necessary in thoroughly demonstrating the feasibility of manufacturing and distribut-

## Breeding Up Dairy Herd

WE are just in receipt of a most interesting letter from our correspondent, T. C. Dillinger of Thomas County, Kansas. Mr. Dillinger is developing a herd of dairy cows by the up-grading system. He writes as follows, concerning the results of his efforts:

"I am grading my cows up by using registered Holstein bulls. I have my second male now and my first half blood heifers are giving as much milk as two-year-olds as their mothers gave as mature cows. My plan has been to buy a registered bull calf in the fall. My first one at two and one-half months old cost me \$50 including the cost of getting him to my place. I recently sold this bull off of grass as a four-year-old, weighing 1,575 pounds, the price received being \$75. Although sold on a beef basis he is to be used by another man as a breeder. I have bought another calf for \$40, close enough to home so there are no freight or express charges to pay.

"Our crop prospects are especially good. The spring grains are coming on in fine shape and with the recent rains the winter wheat is in splendid condition.

"I have one kick coming against the agricultural agent, and that is, that he does not get around on the farms enough. Of course, I know that our man here has a big territory to cover. Where my farm is located his territory is 35 or 40 miles north and south. Our

the use of a motorcycle our agent could get around and visit most of our farms during a season, and see what we are doing, look our stock over and give whatever advice seems necessary. The board and lodging of the agent would seldom cost him anything while visiting our farms."

The up-grading system being practiced by our correspondent is the surest, as well as the cheapest method of improving live stock that can be practiced. The use of a high class pedigree sire almost invariably results in producing a bunch of heifers far superior to their mothers from the production standpoint. This has been demonstrated over and over again and yet many men attempting to develop dairy herds do not make it a practice to use the best sires possible in their work.

It often happens that a man who is progressive enough to introduce a high class sire into a community, is given little recognition for his progressive spirit. When it becomes necessary to dispose of the sire he oftentimes must send him to the market for beef. Our correspondent apparently had a neighbor who recognized and grasped the opportunity to secure a tried sire to head his herd.

It often happens that a man buying a young male must dispose of him before he is in a position to know just how good he may be as a breeder. A country is rather thinly settled and by notable instance along this line occurred

at the Missouri Experiment Station some years ago. A registered Jersey bull was sold at an ordinary price for a good, registered bull and later it developed when, his heifers came into full production, that he was one of the most remarkable producers of the breed.

Where several men in a community are interested in the same breed, such sacrifices as this need seldom occur. A good sire may be kept in a community long enough to determine his merit as a breeder.

It is, each year, becoming increasingly difficult to secure good dairy animals by purchase. A great many dairy cattle have been shipped into Kansas from the older dairy states, but there is always the danger that many of such animals will be the rejected ones from the herds in the highly developing dairy communities.

The demand for this class of cattle has been so great in recent years that a great many unscrupulous men have taken up the business of dealing in this class of stock. These men buy anything that shows any evidence of dairy blood and by advertising extensively in sections where dairy cows are in demand dispose of a great many inferior animals that should have been consigned to the slaughter pens. Where it is necessary to purchase cows from the outside to bring into a community, the safest plan to follow is to commission some man who is thoroughly competent to make proper selections of dairy cows

and send him to the community in question to make the purchases.

A number of dairymen in Kansas have visited the dairy sections in the older dairy states and have become fairly familiar with the conditions as they exist. These men have found that it is far more important to have a thorough knowledge of the pedigrees of the men with whom they are doing business than to study too exclusively the pedigrees of the cattle purchased. There is danger in every new community where interest in dairying has been aroused that the parties interested will not appreciate some of these things and will secure a lot of cows from unscrupulous dealers, which will result in introducing a lot of trouble into the locality.

Barbed wire fences are on the wane. Barbed wire is being displaced everywhere by the big smooth woven wire fencing and on the best farms is little used any more.

Miracles can be worked with a package of seeds and trowel. It will pay the farmer to encourage the working of these miracles on his lawn, and thus make the farm a better place to live.

To secure the best returns from sheep raising it is not necessary to keep them exclusive of all other live stock, but a small flock, just what can conveniently be accommodated along with other farm animals and given the best of care.



# GENERAL FARM INQUIRIES

Something For Every Farm—Overflow Items From Other Departments

ONE of our readers, G. A. S., of Barton County, writes us that he is now digging a pit silo 10 feet in diameter by 25 feet deep. He wishes to know what precautions to take against foul air or gas in taking out silage. He also inquires whether any method has been devised whereby silage can be taken out without the necessity of going into the pit.

During the process of fermentation carbon dioxide gas is formed and given off from the surface of the silage. This gas being heavier than air tends to settle in the bottom of the pit. Its presence can always be detected by testing with a torch or lighted lantern. A light cannot burn in this gas.

The danger is probably slight, but the fact that this gas is formed should not be forgotten. In all probability about the only time there is any considerable amount of danger is during the process of filling when the silo has been partially filled and left for a day or so. After a week or two the fermentative changes cease and with the constant blowing of the wind the foul air will undoubtedly be all sucked out of the silo.

The only precaution that can be taken is to test the silo before going down into it. If gas is present the dropping of a few bundles of fodder will stir up the air and tend to remove the gas.

No satisfactory method has been devised for removing silage from the pit without going into it. Silage should be removed in a uniform layer from the whole surface and this can be done only by hand, using a fork or rake.

### Rye For Silage.

We have the following inquiry from G. C. T., one of our readers in Harper County:

"I am building a silo; have nothing in sight at present with which to fill it. Will plant kafir after harvest. I have a field of rye that will average over five feet high at present. Will this make silage and when should I cut it?"

Rye is not an ideal crop for the silo but it has been successfully used, however, and under the circumstances it would probably pay to harvest this field for silage. It should be harvested about the time the heads are formed and should be cut fine and tramped very thoroughly in the silo. This is necessary, since the hollow stems carry air into the silage. If our correspondent has some alfalfa which could be harvested at the same time, he would greatly improve the quality of his silage by mixing green alfalfa with the rye. Alfalfa alone has not been entirely satisfactory for silage purposes, but it has been found that by mixing it with rye the resulting silage is a very good quality.

A number of laboratory tests, using small jars, were made at the Kansas Experiment Station last winter, and as a result of these tests the combination of rye and alfalfa was especially recommended as a spring silage crop.

Some small silos seven feet in diameter and sixteen feet high are being erected at the experiment station and these laboratory tests will be repeated under more nearly practical conditions.

### Trespassing Chickens.

One of our readers from Smith County asks us to furnish information regarding the damage done on a farm from a neighbor's chickens. One of the parties apparently has his house and buildings near the line and keeps a flock of several hundred chickens. These chickens range across on the adjoining farm and the claim is made that they have done damage to the extent of \$20. The question asked is whether the party damaged can compel his neighbor to fence in his chickens so they cannot range across the line. The inquiry is also made whether the party damaged could rightfully kill the chickens ranging on his farm.

KANSAS FARMER does not maintain a legal department and cannot answer such an inquiry with legal authority. As far as we understand the statutes of Kansas there is nothing that compels a man to fence in his chickens. What constitutes a legal fence in Kansas will not turn poultry. The control of other farm animals is specifically mentioned in the statutes, and methods for collecting damages resulting from their depredations can be used. The party injured

most certainly would not be justified in killing the trespassing chickens. It might be possible by process of law to prove and collect damages resulting from trespassing chickens, but we do not venture to give an authoritative opinion on this point. Going to law is usually a most unsatisfactory and unprofitable method of settling grievances of this kind. If such a course is necessary the services of a competent lawyer must be secured, of course.

It would seem that the question is one which should be settled in some sort of a friendly way by the parties concerned; either directly or through the friendly services of other neighbors who might act as arbitrators as to the amount and extent of the damage. It would seem that no fair-minded man would object to making good reasonable damages which a neighbor might sustain through the trespassing of his flock of poultry.

### Feeding Pigs in Western Kansas.

Our reader, A. L. B., of Comanche County, Kansas, who has five litters of Choice Duroc Jersey pigs, writes for suggestions as to feeding these pigs in order to grow them out most satisfactorily for breeders. The feeds are quoted as

picked from the mixed hay, it was found that they contained more nitrogen than pure timothy. The additional amount so found was equivalent to 133 pounds of protein per ton of hay. It would appear from this that grasses grown with legumes are actually richer in feeding value than grasses grown separately. This is another good reason for growing some kind of clover in all meadow or pasture mixtures.

A rather interesting observation along this line was made in Manhattan a few years ago in connection with the growing of cowpeas as a catch crop in a cornfield. The fertilizing effect of the cowpeas upon later crops was the object sought, but the comparing of results of several tests indicated that the corn yields, where the cowpeas were seeded between the rows, were greater than in the plots where cowpeas were not seeded. It would seem that the leguminous crop begins its improvement of the soil even before it is plowed under.

### Summer Tillage—A Successful Test.

The question of summer tillage has been a doubtful one with many farmers. It has been remarkably successful with others. The idea of working land two

very little snow for several months, between September and April. The total rainfall on this crop between sowing and harvesting time being four inches, two inches coming on April 17, and two inches on May 9. The yield was 34.1 bushels per acre by actual weight, testing 60 pounds to the bushel.

The real value of summer tilling is shown when we state that 139 acres of the same class of land sown to the same class of seed and grown by the side of the summer tilled wheat, on land that was well prepared but cropped every year, gave a yield of 14.57 bushels per acre, having a test of 59 pounds per bushel.

This difference of 19.5 bushels per acre, or nearly five bushels more than twice the yield of the yearly crop, is certainly worth while.

The cost of wheat production on the every-year cropping system, averages about \$7.50 per acre. We will assume that it costs double this amount or \$15 per acre to produce summer tilled wheat, though this is too high. The value of summer tilled wheat in this demonstration figured at 85 cents per bushel, would amount to \$29.95, or a profit of \$13.95 per acre, while the value of the wheat on the land cropped every year, would be \$12.50 per acre, showing a profit of \$5 per acre.—H. M. BAINBR, Amarillo, Texas.

### Improving Rural Schools.

In this country of ours there is no one institution in which people are so keenly interested as a whole, as our public schools. As has often been pointed out, one of the chief difficulties in the rural school today is the short tenure of service. Few rural school teachers intend to make teaching of any sort their profession, and they soon abandon it—the young women for matrimony, the young men for college or business. Those who do stay in teaching do not, as a rule, teach in the same rural school for any considerable length of time.

Another problem is that of more specific training for rural school teaching. The preparation for city work and for rural work should not be the same, any more than should that for teaching German and for teaching horticulture.

Both of these problems are dealt with by Dr. P. P. Claxton, United States commissioner of education, who in his address before the Conference for Education in the South advocated life tenure for rural school teachers, preceded invariably by specific training for rural leadership.

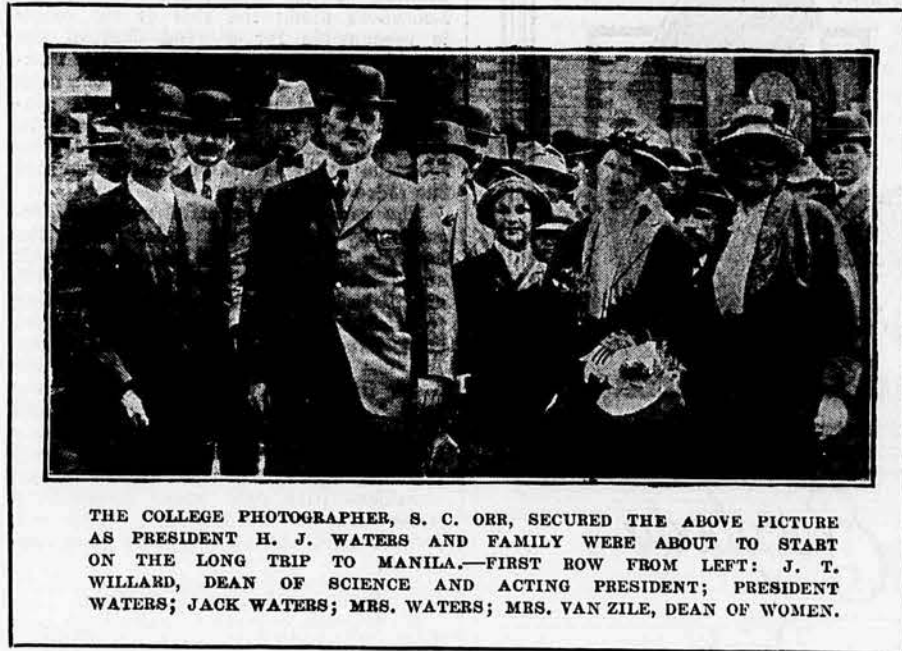
Doctor Claxton's plan contemplates courses in normal schools to give prospective teachers the training that will enable them not merely to teach rural schools, but to grapple with the problems of country life, agricultural, social, and religious. The teacher would be trained for rural leadership, in which work he would be willing to spend his life.

With a body of teachers thus prepared, each teacher would be provided with a house and a small plot of land for gardening and for experimental purposes. The school terms would be so adjusted that the pupils could attend school one week and work the next. The curriculum would include the subjects needed in real life.

When the principles of democracy appeared to be in danger there was fear of giving anybody a life job. That fear has passed away, so far as it concerns persons engaged in non-political work, though, of course, provision should invariably be made for the dismissal of persons failing to give efficient service. There seem to be few places where life tenure for the right persons would be more beneficial than in the rural school.

The effort at present, however, should be directed toward developing the right persons for this important work. It cannot be the effort of a day or a year, but, persisted in for sufficient time, it is bound to produce the desired result. When a goodly company of the right persons are prepared, there should be no difficulty as to the material features of the Claxton plan.

It is claimed that in proportion to population Coffey County has more members of the Grange than any other county in the state. A good deputy and the Pomona Grange have been the chief means of bringing this result. There are now eighteen Granges in this county and the promise of another one soon.



THE COLLEGE PHOTOGRAPHER, S. C. ORR, SECURED THE ABOVE PICTURE AS PRESIDENT H. J. WATERS AND FAMILY WERE ABOUT TO START ON THE LONG TRIP TO MANILA.—FIRST ROW FROM LEFT: J. T. WILLARD, DEAN OF SCIENCE AND ACTING PRESIDENT; PRESIDENT WATERS; JACK WATERS; MRS. WATERS; MRS. VAN ZILE, DEAN OF WOMEN.

follows: Corn chop, \$1.60 per hundred; bran, \$1.40; shorts, \$1.60, and oil meal at \$1.60.

These feed prices are very high, but with good pasture the pigs probably can be grown out economically enough so that they can be sold at a profit. A combination of corn chop and shorts should be used as the principal part of the ration. A protein supplement is necessary, and if it is not possible to obtain tankage at a reasonable price, oil meal can be used as 15 or 20 per cent of the total ration. If skim milk is available for mixing up the grain ration, less oil meal will be required. Skim milk is a protein feed and naturally supplements corn and shorts in the pigs' ration. Tankage contains over twice as much digestible protein as the oil meal, and therefore it would be more economical to use if it can be purchased for less than double the cost per hundred. Some hogmen get splendid results using a combination of oil meal and tankage as the protein supplement. Pigs on good pasture should not be given all the grain they will clean up; but in the case of pure-bred pigs to be grown out for breeding purposes and offered for sale in the fall, it is necessary to feed fairly good grain rations in order to have the pigs sufficiently grown to be attractive to buyers at that time.

### Legumes Effect Companion Crop.

The results in increased yields following the plowing under of clover or other leguminous crops have long been matters of common observations. The effect of the leguminous crop upon the companion crop with which it may be growing has not ordinarily been given much thought. The Cornell, New York, Experiment Station has been making some careful tests as to the effects upon timothy produced by the clover with which it is grown. One of the most interesting facts developed in these tests was that in analyzing the timothy straws and heads

years to get one crop does not sound good to many producers, especially when they want returns at once.

To summer till means to cultivate the land one season without crop, growing the crop the second year. Summer tillage keeps the land free from all weeds. The continuous soil mulch conserves the moisture and makes plant food available.

The work of summer tilling should begin early in the spring. The first work should be done by double disking the land. The mulch formed by the disking should be kept loose and free from weeds by harrowing after each rain. A dashing rain may make the second disking necessary, especially if weeds begin to grow. Every effort should be put forth to keep down the weeds and to keep the surface loose to a depth of at least three inches.

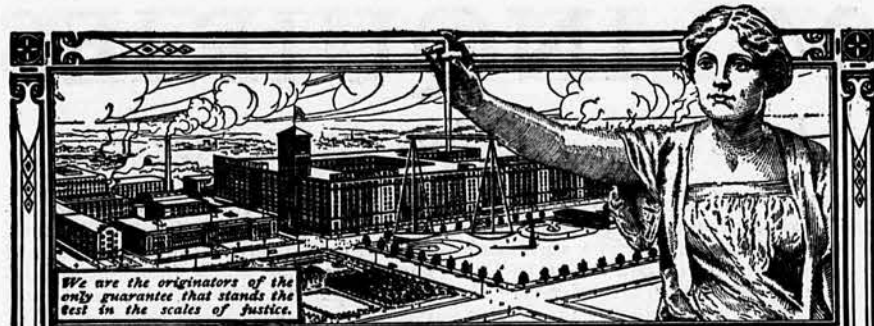
Plow this land deep (7 or 8 inches) during the latter part of June or early in July. Keep the common harrow going immediately after the plow. It is a good plan at this time to pack the freshly plowed land with a sub-surface packer, or a disk harrow set straight.

The farmer who summer tills must remember that weeds and crusts are not permissible either before or after plowing. During long dry spells, more frequent and deeper cultivations are necessary, especially if the firm soil just below the mulch begins to get dry and hard.

The following successful demonstration in wheat growing by Grimes Bros. of White Deer, Texas, in 1913, shows conclusively the value of summer tillage.

During the summer of 1913 they summer tilled 26 acres of fair average farm land, which was plowed seven inches deep. The wheat (Turkey Red), was sown from September 14 to 16 with a grain drill at the low rate of 15 pounds per acre, resulting in an extra good stand. This wheat received no rain and





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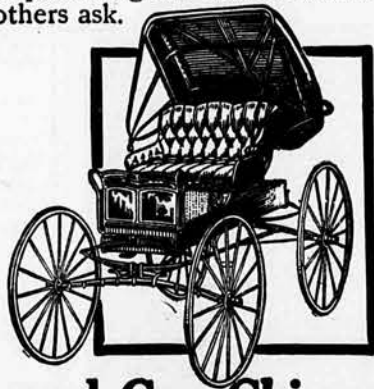
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# LIVE STOCK



A few sheep on the average Kansas farm, if properly cared for, will give good financial returns. A farmer who is not familiar with sheep husbandry should start with a small flock and as his number grows his knowledge of sheep management increases. The profits derived from the sheep business are largely determined by the shepherd's knowledge of the industry. Sheep are sometimes called the plant scavengers of the farm. They will thrive on more kinds of weeds than will any other domestic animal. Sheep prove invaluable in cleaning weedy pastures, fence corners, and in removing brush. Sheep can also be used to good advantage in utilizing products which would otherwise go to waste, such as the scattered heads and volunteer growth in the stubble field, crab grass and the lower leaves in the cornfield.

### Prevention of Sore Shoulders.

Farm work horses almost invariably shrink some during the first few weeks of hard work, and as a result collars which were properly fitted at the beginning of the season are too large. Looseness along the side of the collar is responsible for a good deal of the trouble with sore shoulders. This matter of keeping a collar fitted to the neck should be watched carefully as the season progresses. The hames should be left long and should be buckled up so that the collar is drawn snugly against the sides of the neck.

The careful, thoughtful man will occasionally lift up the collar while the horse is at work so as to cool the neck and remove any foreign material which might be under the collar and tending to produce a sore. The mane should be kept out from under the collar also. The use of the sweat pad to make the collar fit is not a good practice. They tend to make the shoulders tender and far more susceptible to sores than where the bare collar is used. It is a good plan at night to bathe the neck and shoulders with cold water to which a little salt has been added. This will help to keep the shoulders in good condition.

### Summer Forage For Hogs.

No hogman expects to raise hogs economically without pasture. Unless plenty of alfalfa pasture is available it will be necessary to plan quite carefully in order to have supplemental forage crops available through the summer and fall. The Dwarf Essex rape is admirable for early planting and will produce an immense amount of valuable pasture for the hogs, but during the hot summer weather rape pasture cannot be depended upon. For this season of the year there is probably no crop that will give better results than sweet sorghum. This plant will produce abundance of forage during the hot, dry weather when the ordinary forage plants will produce little growth. Sorghum planted the latter part of May or the fore part of June will be ready to turn the hogs on to in six or seven weeks. It should be planted in a well-prepared seed bed with a grain drill if possible. When one and a half or two feet high the hogs may be turned in.

The cowpea is another forage crop that should not be overlooked in planning for a little summer forage for the hogs. This crop, of course, is a legume; for that reason it is richer in protein than the sorghum and a better forage for producing growth.

Cowpeas may be drilled in June, the best results for pasture purposes coming as a result of seeding with the ordinary grain drill, leaving all the spouts open. The seed bed for cowpeas should be carefully prepared if the best results are to be expected. The hogs do not relish the cowpea forage quite as well as the other forage, but as soon as the peas begin to form they acquire a taste for them and seem to eat them with a good relish. When supplemented with a part ration of corn splendid results follow the use of cowpea forage. When cured as hay the cowpeas are eaten very greedily by hogs in the winter season; in fact they seem to relish them better in the form of hay than while green.

Another practice which can be followed with considerable economy in the growing of pork, is to have a field of corn available for hogging down early

in the fall. Where an early variety of corn is planted considerable economy in grain feeding will result from this practice. It has been quite profitably carried out on a large scale by some of our most successful pork producers.

### Treating Hogs For Lice.

Lice on hogs cause losses which are oftentimes overlooked. Young shoats and pigs cannot grow and thrive when alive with lice, as is often the case, unless precautions are taken to free them from these vermin. Hog lice always multiply and increase during the winter season with great rapidity. When the hogs are removed from their winter quarters and turned out in the pasture it is a good plan to give them a good, thorough dipping to destroy all lice. A well-arranged dipping tank is an important equipment on a farm where a considerable number of hogs are handled.

There are a number of commercial hog dips on the market; but for destroying lice there are none more effective or more easily used than crude oil or petroleum. In dipping hogs with crude oil it is only necessary to keep enough oil in the tank so a good film is formed on the surface. It is a good plan to have some disinfectant, such as "cresol," in the dip, but the oil must be depended upon largely to kill the lice. If the hogs are immersed so that the creases about the ears and face are reached by the oil the lice will practically all be destroyed.

Where hog wallows are used they should be kept covered with a layer of the oil so that the hog dips himself every time he takes a bath in the wallow.

A single dipping without any following up will not free hogs completely of lice, since the nits or eggs, as a rule, are not destroyed and will hatch out in a week or 10 days. Where the hogs are not removed to clean quarters these quarters must be thoroughly cleaned out. All the bedding must be removed and burned or carefully treated with a strong solution of the dip and the sheds themselves thoroughly sprayed. The use of whitewash to which carbolic acid has been added is very effective in destroying vermin in the sleeping quarters.

Those having only a small number of hogs and unable to arrange for the dipping tank, can bunch the hogs up in a small pen and sprinkle them with the crude oil, using an ordinary sprinkling pot or a broom. A small number of hogs can be very satisfactorily freed from lice in this manner.

### More Dairying in Allen County.

We have just received a copy of the annual report issued by the Allen County Agricultural Club. W. E. Watkins is agricultural agent for this county and during the few months he has been at work in the county he has been urging the importance of dairying and the use of better dairy methods for this county. He found that there were but twelve herds of pure-bred dairy cattle in the county and practically none of the men milking cows were keeping records. According to the report just published, at the present time there are eight men in the county having a total of 67 cows, who are keeping production records.

It is evident that there is great necessity for this kind of work, as the report calls attention to the fact that according to the dairy statistics of the county its 7,800 milk cows returned on an average only \$22.50 during the year 1913. A carload of dairy stock is soon to be shipped in from the state of Wisconsin for distribution among the farmers of the county. If these cattle are carefully selected their introduction will be of great value to the county.

We notice that a statement is made in this report that better feeding combined with the keeping of records will do much to remedy this condition which the statistics reveal as existing as regards the annual production of the average milk cow of the county. This statement shows that the agricultural agent of this county, who compiled this report, has been a close observer of the dairy methods followed, not only in Allen County, but in practically every county in the state. While great improvements must follow in the breeding of the cows used, the biggest improvement and the one which will have the



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**CONCRETE SILOS**  
**SAFE, PERMANENT**  
**MODERATE COST**  
**Hopper & Son, Manhattan, Kans.**

**USE SECURITY CALF FOOD**  
 A whole milk substitute for calves and little pigs. Why raise your calf on whole milk when you can get just as good results at a very small cost by using Security Calf Food? It is sold on a spot cash guarantee to give satisfaction or money back. Ask your dealer.

**SECURITY REMEDY COMPANY,**  
 Minneapolis, Minn.

**Profitable Poultry Selling**  
**Send for this Free Booklet**



The poultry breeder's percentage of profit depends quite a bit on selling costs. These profits are good, sometimes, and sometimes they are not. At the very best the average poultry breeder never got any more than his or her due. Usually it has been less. Not because the breeders don't know their business as breeders, nor yet because they are not good men and women.

No sensible breeder would allow the cost of raising stock to go twice as high as necessary. But sometimes the selling cost is allowed to get too high, because the wrong means of advertising are used.

To select the right selling means for Kansas and adjoining states means money saved to breeders, besides money made in the better prices to be had when using the right means. The booklet, **Profitable Poultry Selling**, has been written, and is free to poultry breeders everywhere who will simply write for it.

**KANSAS FARMER**  
 Topeka, Kansas.

Ernest Graff of Rosendale, Mo., has one of the largest and best herds of Mulefoot hogs in the West. His foundation stock was from the most famous herds of that breed. Anyone wanting Mulefoot breeding stock should write for description and prices. He can furnish either sex, most any age, and his prices are reasonable. Please mention Kansas Farmer when writing.

most far-reaching and immediate effect is the use of such methods of feeding and care as will enable the cows already on hand to produce returns of which they are capable. This combined with the keeping of records so as to eliminate as quickly as possible the cows which do not respond to this improved treatment, will bring results at once.

As we have said over and over again in the columns of KANSAS FARMER, the man feeding the milk cow must understand thoroughly the underlying principles involved in the production of milk. No cow, however, capable as a producer can produce large returns in milk flow without the material from which to make this milk. The cow must first have feed enough to maintain the body before any of the feed supply can be turned to milk production. It might be compared in a way to the running of a machine; a certain amount of power is actually required to run the machine empty, and until this power is supplied the machine can turn out no work whatever.

Too often the dairyman assumes that when his cattle are turned out on pasture they will secure all the material from which to maintain the body and to produce a large flow of milk, from the pasture without additional feed. This may be true where the pasture is luxurious and the acreage large enough to supply the necessary amount of feed to produce these results. We cannot get away from the fact, however, that milk requires a definite amount of material for its manufacture. The moment the cow fails to secure this necessary material the milk flow is checked to just the extent that the necessary material is lacking.

Every man feeding milk cows should clearly understand that there is no substitute for protein in milk production. A milk cow actually requires from two to two and a half pounds of digestible protein daily in her ration in order to maintain a satisfactory milk flow. No matter how heavy this cow may be fed, if the combination of feeds is such that this protein is lacking, the cow cannot manufacture milk. Ordinarily it is the most economical to grow the required protein on the farm in the form of leguminous crops as far as possible. Practically every dairyman in the state, however, who would feed his cows for maximum production, finds it necessary from time to time to purchase rich protein feeds on the market. Of these feeds cottonseed meal supplies the largest amount of protein considering the money it costs, of any commercial feed on the market.

We are just in receipt of a letter from the Newlin Dairy Farm of Reno County, Kansas, in which the proprietor, William Newlin, tells us how he is feeding his cows at the present time. This herd consists exclusively of Guerneys, some of them being registered cows, but all carefully selected from the standpoint of high production. This herd has very little pasture and as a result additional feeds must be supplied in order to keep up the production. They are being fed in addition to the pasture, 20 pounds of silage per cow daily, and 10 pounds of alfalfa hay; and in order to supply the necessary protein they are all given about two pounds daily of cottonseed meal. In addition to this they are fed a mixture made up of two parts of bran to one part of corn, and each cow in the herd is fed one pound of this latter mixture for each four pounds of milk she is producing.

The producing capacity of these cows is known absolutely; the milk of each cow is weighed night and morning and the results following this method of feeding are clearly shown by these records. Mr. Newlin writes that last Saturday night in totalling the records for the week, he found that the 43 cows and heifers in all periods of lactation, which he is milking now, had produced in this one week an average per cow of 1171.5 pounds of milk, testing 4 1/2 per cent. This is an average of about 137 gallons per week or a little better than three gallons per cow daily. This milk is being retailed in the city of Hutchinson at the rate of 10 cents per quart; this price being higher than the rate at which the average milk is sold. This premium is paid willingly because the customers have learned through experience that the quality of the milk makes it worth the premium in comparison with the milk ordinarily sold. This illustrates the point that by paying the most careful attention to the quality of the product, a price in excess of the ordinary price paid, can be commanded in the course of time. Mr. Newlin reports that he has one heifer that will not be two years old until July 17, producing 36 pounds daily, and has given as high as 40 pounds in one day.



**PENNSYLVANIA**  
**Oilproof**  
**VACUUM CUP TIRES**  
 —heaviest and strongest  
 tires made, per rated sizes

**BUILT** carefully, for sturdy service on country roads—through stiff clays and over new stone facings; in the grinding wear of everyday farm usage.

**Guaranteed for 4,500 miles**—and averaging twice as much in actual service. The tough suction cups of a V. C. Casing alone outwear an ordinary tire, and when they are worn down the extra thick tread comes into use.

**V. C. Tires reduce skid danger and wheel slipping on muddy roads.** The vacuum cup knobs bite down deep and are a constant safeguard. In town, on slippery pavements, V. C. Tires are guaranteed not to skid.



Guaranteed oilproof—oil on roads, on the garage floor or dripping from bearings can have no deteriorating effect.

**V. C. Dealers everywhere**  
 Write for nearest address



**Pennsylvania Rubber Co.**  
 Jeannette, Pa.

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| New York   | San Francisco | Omaha            |
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An Independent Company with an Independent Selling Policy.

**READ KANSAS FARMER'S CLASSIFIED ADVERTISING PAGE FOR READY BARGAINS**



**Blow Your Stumps Into Firewood**

Clear up that plowed land—take out those stumps that occupy valuable space and damage your tools. Clean out that stump lot and make it the most fertile on your farm. It pays to keep the stumps for fuel, and they will be split ready to burn, clean and free from dirt, when you blast them out with

**Atlas Farm Powder**  
**THE SAFEST EXPLOSIVE**

You can do the work yourself quickly, cheaply and easily, without experience or expensive tools. Bore a hole, load it, light a fuse, and the work is done! Atlas Farm Powder, sold by dealers near you, is made to do farm work.

Make your poorest fields give you big crops by breaking up the subsoil and releasing plant food with Atlas Farm Powder. Dig in a day a ditch that a dozen men couldn't dig in a week. Plant fruit trees in blasted holes; save two years.

**Send Coupon for Valuable Book—FREE**

Our book, "Better Farming," will help you make more money. It explains how to improve the soil and do many kinds of work quickly and easily with Atlas Farm Powder. It is valuable to every land owner. Mail the coupon and get it now.

**ATLAS POWDER COMPANY** General Office WILMINGTON, DEL.

Sales Offices: Birmingham, Boston, Joplin, Knoxville, New Orleans, New York, Philadelphia, St. Louis

Atlas Powder Co., Wilmington, Del. Name \_\_\_\_\_ Address \_\_\_\_\_  
 I may use Atlas Farm Powder for \_\_\_\_\_  
 Send me your book, "Better Farming." Name \_\_\_\_\_  
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KF-My23





## Harvest Will Soon Be Here

Never before in the history of this State, has there been a prospect of so great a crop of small grain as this year. Not only is the acreage great, but conditions are splendid.

Harvest time will be short. A day or two may make a great deal of difference to you. You cannot afford to take any chances with an old, unreliable or untried Binder.

For many years—56 to be exact—**ADRIANCE Harvesting Machines** have given satisfactory service to farmers in all parts of the world—from the fertile valleys of Siberia to the great plains of the Argentine, and now, under the ownership of the Moline Plow Co., are being extensively sold and used in the great Middle West. Read this letter:

Moline Plow Co.,

Attica, Iowa.

Gentlemen: I bought one of your **ADRIANCE** Binders from your dealer, J. T. Robuck, of Attica, and I wish in this way to let you know that the Binder gave me the best of satisfaction. The draft and ease with which it performs its work was really surprising, in fact I could not notice any difference in draft when the bundle was being tied, and I also wish to say, It Never Missed Tying a Bundle. The convenience and ease of all the levers for shifting the working parts, beats any Binder that I have ever seen. I can gladly recommend this Binder to any one wishing a new Binder.

(Signed) D. K. Smith.

## Costs more to build—sells at the same price.

If we could take you through the **ADRIANCE** Factory; if we could show you the care used in the selection of materials; the painstaking supervision in the manufacture of every part in its construction, you would appreciate thoroughly the secret of the splendid success and superiority of the **ADRIANCE** Binder.

The **ADRIANCE** Binder is so simple anyone who can drive a team can operate it. Its adjustments are so easily made that even a boy can run it.

**Cannot Get Out of Time**—The **ADRIANCE** one-piece driving arm can never get out of time. No gears, chains or cams to give trouble and cause expensive delay in the harvest season.

In practically every town throughout the country you will find a **FLYING DUTCHMAN** Dealer. Any one of them can show you the **ADRIANCE**.

Complete stocks of **ADRIANCE** Harvesting Machinery and repairs are carried at our Branch Houses and Transfer points in all parts of the country.

See your Flying Dutchman Dealer and write today for **HANDSOME ILLUSTRATED BOOKLET** in colors and copies of farmers' letters on the **ADRIANCE** Binder.



**MOLINE PLOW CO.**

Dept. 4 MOLINE, ILL.



# THE FARM



## Soil Washing.

Soil washing in the United States is the cause of one billion tons of sediment being annually carried into the sea. This sediment is washed from the surface of the land and represents the cream of the soil. The farms of Kansas are not behind other states in contributing toward this immense toll to soil erosion.

By proper treatment of the soil, washing can be greatly lessened, says L. E. Call, professor of agronomy in the Kansas State Agricultural College. All land that is rough and hilly and washes badly should be put down to permanent grass or meadow, he believes. Land can be cultivated for a year or two after being in grass and then again re-seeded, and kept in grass or meadow for a number of years. Some farmers practice putting the worst part of the slope in grass or hay and cultivating above and below it. Often hillsides that will become worthless under continued cultivation can be made to produce profitable crops of alfalfa or grass.

## Early Cultivation of Corn.

The principal reasons for cultivating corn are to destroy the weeds and to keep the surface loose so as to prevent the loss of moisture. Cultivation is also necessary in order to properly aerate the soil. Soil containing an excess of water and a deficiency of air is just as detrimental to the condition of the corn plant as the soil having a lack of water and too much air. As far as possible there should be no checking of the growth and development of the corn from the time it is planted until the crop is made. The most important consideration in the cultivation of corn is that it be done promptly at the time it is needed.

At times conditions may such that corn is seriously in need of a thorough, deep cultivation. This may be brought about by a protracted, rainy season which thoroughly packs the soil and gives the weeds an extra start.

Where the seed bed has been carefully prepared the first cultivation may be with the weeder or harrow. With these tools a large area may be covered, the crust broken up and the multitude of small weeds which are just starting can be destroyed.

This kind of cultivation may begin as soon as the corn is up and sometimes can be repeated several times with profit. It is far better to destroy the weeds when they first start than to allow them to get to such size that it will require a heavy cultivation with the regular cultivator in order to destroy them.

The general theory of corn cultivation has been that the deep cultivation should come early and as the corn gets larger nothing but shallow cultivation should be given. Of course, the reason for this is apparent to every experienced corn grower. As soon as the corn gets any size deep cultivation cannot help but destroy a large number of the corn roots which have filled the soil to the middle of the row.

The Kansas Experiment Station conducted through a number of years comparative tests of different methods of cultivation, which were published in Bulletin 147. The different methods followed were shallow, shallow-early and deep-late, deep, deep-early and shallow-late. In studying the results it was found that no one of these methods gave the highest yield two years in succession. It would appear that the exact method of cultivation is not so important as the condition of the soil at the time of the cultivation. Professor Ten Eyck's comment in this bulletin is that the exact method of cultivation does not depend so much upon the method of cultivation employed as on the fact that the corn receives sufficient cultivation at the right time.

The up to date corn grower of the present day certainly should get away from the old established idea of starting in and giving corn a certain definite number of cultivations and then "laying the corn by," as it was called. With some of the old corn growers the rule was to stop cultivating corn on July 4. The successful corn grower of the present day studies most carefully the principles involved and then adapts his practice to the conditions prevailing. This might call for one method at some time and an entirely different method at another time.

## Glanders Vaccine Unsatisfactory.

Specialists in the bureau of animal industry of the Federal Department of Agriculture, has for some time been trying to develop a vaccine which could be used in immunizing horses against glanders. In a technical paper just published by the department, it would appear that the methods so far followed have been absolutely without results. The mallein test is highly effective as a means of discovering the presence of the disease, but its control and eradication must continue, for the time being at least, to be dependent upon the eliminating of infected horses and the exercise of necessary precautions against the introduction of infected horses into the country.

## About Prize Winning Stock.

A great many inquiries are constantly received by the secretary of the International Live Stock Exposition, held annually in Chicago, for information concerning prize winning stock. B. H. Heide, who is secretary of this exposition, has been preparing a book entitled, "The Album of International Champions." This is a very attractive cloth-bound book containing many pictures of the animals exhibited, and contains as well, a great deal of interesting history concerning the various features of the exposition. It will make a very valuable reference book to those interested in improved live stock. Mr. Heide is prepared to furnish these to all who desire them, at a cost of 50 cents. He should be addressed at the Union Stock Yards, Chicago.

## Reo the Fifth—\$1,175 With Electric Starter and Complete Equipment

F. O. B. Lansing

## The Car Men Don't Regret

For a little while, under normal conditions, almost any car performs well. It is time and strain that show the need for a well-built car.

Reo the Fifth is built for long, hard service. It is built by R. E. Olds, who for 27 years has been learning what cars must stand.

It is the car of extremes. Every part is given super-strength. Every driving part is one-half stronger than required by usual standards.

We spend six weeks on each car. All the steel is made to formula. We apply to each vital part the most radical tests.

We have for years kept test cars on the road. They are run night and day at high speed, up to 10,000 miles. And we require all important parts to come through that test with slight evidence of wear.

We use 15 roller bearings—190 drop forgings. We grind parts to utter exactness. To prevent the harm of clashing gears, we use a very costly clutch.

By the usual standards this car could be built, in this modern plant, for one-fourth less than it costs us.

## What You Get

But you get here the utmost in a car. You get freedom from trouble, repairs and high upkeep. You get a car built to run for years as well as it runs when new.

You get strength to stand strains. You get wondrous endurance. Such things are impossible in a lesser-built car.

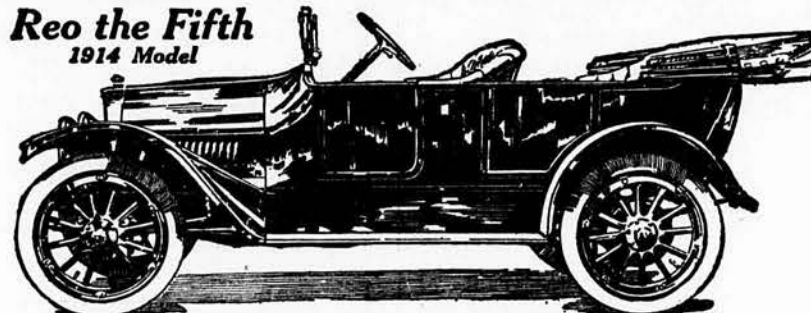
Many thousands of men who have tried the others are this year buying Reo the Fifth.

## Our New Price

This year's price is \$220 lower than last year's—with electric

**REO MOTOR CAR COMPANY, Lansing, Mich.**  
Canadian Factory, St. Catharines, Ont. Canadian Price, \$1,575

## Reo the Fifth 1914 Model



Electric Starter, Electric Lights, Mohair Top with full Side Curtains, Mohair Slip Cover, Clear Vision Ventilating Windshield, Speedometer, Electric Horn, Robe and Foot Rests, Extra Rim and Improved Tire Bracket, Pump, Jack, Complete Tool and Tire Outfit, Streamline Body—One-Rod Control—35 Horsepower—Tires 34x4  
Also Handsome Roadster Body





**Farmer Onswon Talks on BEATRICE Cream Separators**

The man who buys the Beatrice Cream Separator need never buy another separator.

It has but few parts that can ever wear out. And there's not a single part that can ever wear out or rust out that is not replaceable.

When the bowl or other part does finally wear out, you don't have to junk your machine and buy a new one. You simply buy a new part.

**If you should replace every single part that could wear out on your Beatrice, the cost would be less than \$35.**

Isn't that better than paying \$110 and over for a new machine, which is necessary with some separators?

That is just one of the great Beatrice points. The Beatrice is the high-grade, fair-priced separator that you can clean in two minutes and that gets all the cream whether the milk is hot or cold.

Know all about the Beatrice before buying a cream separator. Be sure to write the nearest office for free catalogue and name of dealer near you.

**BEATRICE CREAMERY CO., Chicago**  
Des Moines, Ia., Dubuque, Ia., Lincoln, Neb., Topeka, Kan., Denver, Col., Oklahoma City, Okla., St. Louis, Mo.

**Increase Milk by Dehorning.**  
Removing the horns of cows lessens the danger of injury and increases the production of milk.  
In an experiment with ten cows at the Kansas Agricultural College it was found that for the first five days after dehorning, the cows lost an average of one-half pound of milk a day. At the end of the fifth day they began to return to their normal flow, and in a few days eight of them were giving a substantial increase. The greatest gain was with the cows that had been hooked and driven away from their feed previous to the dehorning. The two that did not increase in production were the "boss" cows of the herd.

Cattle that are dehorned before the coming of warm weather and flies, usually heal without any trouble. If you have a large number to dehorn, it is best to use a dehorning chute. If this apparatus cannot be had, simply secure the cow in an ordinary stanchion so that she cannot move her head. Remove with the horn one-fourth inch of skin and hair at the base. Cutting close will prevent the growth of a stub. In the case of a young animal use a dehorning clipper or a saw made for the purpose.

Much time and trouble is saved by dehorning the calves with caustic potash. This should be done before the calf is a week old or a stumpy horn will develop which will have to be removed later with clippers or saw. Scrape the button, or young horn, with a knife until it is red. Then moisten it and rub it well with a stick of caustic potash or with household lye, being careful not to get it in the skin around the horn, as it is very irritating to the calf's tender skin. This should be repeated in a few days if a deep scab does not form in the center of the horn.

**Seward County Pit Silos.**

John L. Boles of Liberal, Kansas, is one of the pioneer silo men of Seward County. He has now used for four years a 130-ton stave silo. Mr. Boles last summer built two big silos and has just furnished the information concerning the cost of these two silos. Mr. Boles writes as follows: "In digging these silos I erected a derrick with a crane attached, between the two silos, and while the cement plaster was drying in one silo we would swing the crane over to the other silo and proceed with the work of digging. The silos were dug and plastered in sections in order to save the necessity for scaffolding in plastering the walls. These silos are 14 feet in diameter and 25 feet deep and have an estimated capacity of 75 tons each.

"A cement collar seven inches thick and extending 15 inches above the ground and five feet below the surface was made in order to have a good, strong rim to protect the silo from caving in and to keep out surface water. I used post hole diggers with extra long handles to dig out the trench for this collar. In digging the silos we would go down about five feet leaving the sides rough. Just before plastering we smoothed down the edges carefully and plastered the dirt wall before it had time to dry out and crumble."

Mr. Boles' estimate as to the cost of these silos, is as follows:  
40,000 pounds sand, 11 cents per hundred pounds. . . . . \$ 44.00  
60 sacks cement at 60 cents per sack. . . . . 36.00  
Rope, pulleys and other derrick material. . . . . 15.00  
Labor and board. . . . . 90.00  
Team work. . . . . 16.00  
Form. . . . . 9.00

Total. . . . . \$210.00  
Less inventory on hand of rope, pulleys, derrick, crane and form. . . . . \$ 17.00  
Net cost. . . . . 193.00  
Cost per estimated ton of capacity. . . . . 1.29  
Cost per estimated ton of capacity in stave silo. . . . . 2.30

Mr. Boles filled his silos with kafir, milo and cane; the cost of filling in 1913 amounting to 90 cents per ton. In closing, Mr. Boles says: "I have used my 130-ton stave silo now for four years, but must say that I prefer the pit silo for several reason for this country."

Hampshire hog breeders will find Eclipse Farm herd, owned by A. M. Bear of Medora, Kan., a good one from which to select breeding stock to improve their herds. Mr. Bear breeds the high class kind and has all the popular blood lines of the breed in his herd.

Independent Creamery, Council Grove, Kan., is offering a very fine lot of high grade Holstein cows at prices that make them a bargain. These cows are all young and well marked. They also offer a few young bulls coming one year old. Write them for prices.

**America's Telephones Lead the World Service Best—Cost Lowest**

from *London Daily Mail*

Why is it that Government ownership and management of the telephones is practically always a failure?

Why is it that throughout the length and breadth of Great Britain and the Continent hardly a single efficient long-distance service is to be found? Why is it that in New York one can talk to London in ten minutes?

from *Electrical Industries* (London)

THERE is a certain amount of satisfaction in the fact that Mr. Winston Churchill got so angry over the freaks of the telephone that he flung his receiver on the floor. As a member of the Government which purchased the telephone system, he deserves all the torture that Post Office working can inflict. But his rage, which is a noble quality, is not so noble as his subtlety.

From *"Le Petit Phare de Nantes," Paris*

"But today I found I had to talk with Saint-Malo, and, wishing to be put through quickly, I had my name inscribed on the waiting list first thing in the morning; the operator told me—though very amiably, I must confess—that I would have to wait thirteen hours and ten minutes (you are reading it right) in order to be put through."

Herr Haberland, Deputy, in the Reichstag

"The average time required to get a connection with Berlin is now 1 1/2 hours. Our business life and trade suffer considerably on account of this lack of telephone facilities, which exists not only between Dusseldorf and Berlin and between Berlin and the West, but also between other towns, such as Strassburg, Antwerp, etc."

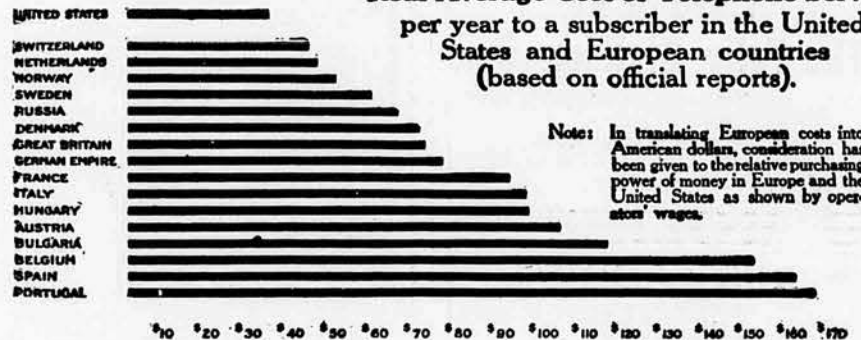
Herr Wendel, in the German Diet.

"I refer here to Freiberg. There the entire telephone service is interrupted at 9 o'clock p. m. Five minutes after 9 o'clock it is impossible to obtain a telephone connection."

Dr. R. Luther, in the Dresden Anzeiger

"In the year 1913, 36 years after the discovery of the electro-magnetic telephone, in the age of the beginning of wireless telegraphy, one of the largest cities of Germany, Dresden, with half a million inhabitants, is without adequate telephone facilities."

**Real Average Cost of Telephone Service per year to a subscriber in the United States and European countries (based on official reports).**



Note: In translating European costs into American dollars, consideration has been given to the relative purchasing power of money in Europe and the United States as shown by operators' wages.

**These are the reasons why there are twelve times as many telephones for each hundred persons in the United States as in Europe.**



**AMERICAN TELEPHONE AND TELEGRAPH COMPANY AND ASSOCIATED COMPANIES**  
*One Policy One System Universal Service*

**5,918,098** gallons Polarine sold last year  
**1,536,232** gallons more than in 1912

**Polarine**  
FRICTION REDUCING MOTOR OIL

The constantly increasing use of POLARINE by thousands of motorists is indisputable evidence of its lubricating efficiency. It affords perfect lubrication to all makes and types of motor cars, motor trucks, motorcycles and motor boats. POLARINE maintains the correct lubricating body at any motor speed or temperature. POLARINE remains liquid at zero. POLARINE differs from all other motor oils, in that it lubricates perfectly at extremes of temperature.

**STANDARD OIL COMPANY**  
(AN INDIANA CORPORATION)  
Makers of Lubricating Oils for Leading Engineering and Industrial Works of the World

(214)

**15.95** AND UPWARD ON TRIAL.

**AMERICAN CREAM SEPARATOR**

A SOLID PROPOSITION to end fully guaranteed, a new, roll made, easy running, perfect skimming separator for \$15.95. Skims warm or cold milk; making heavy or light cream. The owl is a sanitary marvel, easily cleaned.

Absolutely an Approval. Gears thoroughly protected, different from this picture, which illustrates our large capacity machines. Western orders filled from Western plants. Whether your dairy is large or small write for our handsome free catalog. Address: **AMERICAN SEPARATOR CO.** Box 1001 BAINBRIDGE, N. Y.

**Only \$2 Down One Year to Pay!**

**\$24** Buy the New Better-By-Us. Light running, easy cleaning, close skimming, durable. Guaranteed a lifetime. Skims 36 qts. per hour. Made also in four larger sizes up to \$1-2 shown here.

**30 Days' Free Trial** Earns its own cost. It saves in cream. Postal orders Free catalog folder and "direct-from-factory" offer. Buy from the manufacturer and save half.

**ALBAUGH-DOVER CO.** No. 514 2191 Marshall Blvd. CHICAGO

**READ KANSAS FARMER'S CLASSIFIED ADVERTISING PAGE FOR READY BARGAINS**





### THE BIG STORE

—will offer the strongest attractions in specially priced merchandise that have been given this season, during the week of the Dedication of the Soldier's and Sailor's Memorial Building. This Department Managers' Sale will be continued to include the Dedication Days—and offers very strong, practical inducements for our out of town customers to come for their summer shopping.

We refund railroad fare according to amount of purchase.

## THE MILLS DRY GOODS CO.

TOPEKA, KANSAS.

WHEN IN TOPEKA VISIT  
**DOUGHERTY'S BUSINESS COLLEGE**  
TWO BLOCKS NORTH OF NEW MEMORIAL BUILDING

Coming to Topeka?  
You'll be well taken  
Care of at  
**The Felix Clothing Co.**  
I. W. FELIX F. W. GRIGGS  
631 Kansas Avenue

**MISS ADDIS  
JEWELER**  
817 Kansas Ave.  
The Store for Memorial Dedication  
visitors. Eighth Anniversary Sale on.

Make our store your headquarters  
while in Topeka. Open until eleven.  
**Capital City Candy Co.**  
CANDY (Righys) NEWS CIGARS  
ICE CREAM, ETC.

Established 1878.  
**THE MERRIAM  
MORTGAGE CO.**  
TOPEKA, KANSAS  
Loans Money on Farms.

**White Plymouth  
Rocks**  
Again prove their superiority as egg layers in the National Egg-Laying Contest, one White Rock hen laying 281 eggs; 645 hens competing. I have bred White Rocks exclusively for 20 years and have them as good as anybody. Eggs from three high-scoring pens, \$2.00 per 15; \$5.00 per 45, delivered free by parcel post or express. Safe delivery guaranteed. A limited number of eggs from a specially fine mated pen, \$5.00 per 15. You will get what you order, or money refunded.  
**THOMAS OWEN,**  
Station B. Topeka, Kansas.

Have the wood pulleys on the brushes of your carpet sweeper worn smooth? If they have, to keep them from slipping, wrap them once or twice with adhesive tape. This will keep them from wearing unevenly with the grain of the wood.

If you are so unfortunate as to have a tear in a sweater or similar garment to mend, don't try to darn it. Take yarn of the same color and run threads across the hole, then begin at the upper left hand side and chain stitch down the row of cross threads, catching into a thread at every stitch. These chain stitches look the same as the knitting and if a little care is taken the tear will not be noticeable.

The Store of Dependable Merchandise



This store invites Reunion visitors to use the privileges of its Free check stand, upon arrival in Topeka. Street cars from all railroad stations stop in front of our store. We'll be glad to serve you.

### Warren M. Cosby Co.

BUY THE BEST WATCH  
**THE FAMOUS SANTA FE SPECIAL**  
ON EASY "Direct from Factory to You" PAYMENTS Save 1/4 Your Money  
You can pay for the watch at practically your own terms. The Santa Fe Special is the Best Watch on Earth. It is Guaranteed for life. Guaranteed to pass railroad inspection.



Either 17 or 21 jewels—adjusted to positions, adjusted to heat and cold, adjusted to isochronism, adjusted to the second. This model.  
FREE—Our beautiful 52 page catalog which tells all about this wonderful watch and shows you the very newest designs in watch cases.

**SANTA FE WATCH CO.**  
Topeka, Kan.  
Dep. 14-F

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# HOME CIRCLE



To clean a milk strainer rub cooking salt through it with a damp cloth.

To keep carpet moths away pour strong alum water on the floor a foot and a half from the edge before putting down the carpets.

Instead of throwing away your machine and sewing needles when they have become blunted, keep a small whet stone in a convenient place and sharpen them again.

It is said that cold coffee used instead of milk in all dark cakes improves the flavor as well as the color.

Pinch of salt added to the kerosene in lamps will make them burn brighter and more evenly.

Instead of buttonholing embroidered scallops the second time, take a fine crochet hook and with the same number of embroidery thread go over the edge of the scallops making a crochet stitch in each buttonhole stitch. This is much more rapidly done and makes a better looking edge.

When whipping sweet or sour cream put in a small pinch of baking powder, and it will whip in much less time. If the cream is not too sour it will do for salads quite as well as sweet cream and will whip just as easily.

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First roll for new customers. We give high grade work at a low price. J. C. WOLCOTT, Topeka, Kansas.—(Adv.)

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6628—Misses' Suit: This suit, in the latest mode, consists of a short jacket and a skirt. The body and sleeves of the jacket are in one piece, the sleeves three quarter length and the neck trimmed with a pretty collar. The skirt is cut in two pieces. The pattern, 6628, is cut in sizes 14, 16, 18 and 20 years. Medium size requires 2 1/4 yards of 54-inch material. 6272—Ladies' Waist: Linen or madras can be used to make this waist. The waist closes at the front and can be made with either the high or low neck. The body and sleeves are in one and the closing is at the back. The pattern, 6272, is cut in sizes 34 to 42 inches bust measure. Medium size requires 1 1/2 yards of 44-inch material and 1 1/4 yards of edging. 6596—Misses' Dress: For any entertainment, graduation, confirmation and the like, this frock is sufficiently elaborate. It has a seamless shoulder yoke, extending low on the arm, while the front and back are full and the surplice style of closing is used. The skirt is cut in three gores. The pattern, 6596, is cut in sizes 14, 16, 18 and 20 years. Medium size requires 3 1/2 yards of 40-inch material, with an additional yard for the ruffles. 6520—Boys' Dress: This dress for a very small boy, has a panel front and back formed by outward turning tucks at the shoulders. The neck is cut out in front to show a V shaped shield and the sleeve has a few tucks instead of a cuff at the wrist. The pattern, 6520, is cut in sizes 2 and 4 years. The 2-year size requires 2 1/4 yards of 36-inch material. 6669—Children's Dress and Hat: This frock is plain and practical, suited to such serviceable materials as serge and gingham. There is a short tuck which passes over each shoulder and the neck is cut square with an ornamental yoke which can be used or omitted. The pattern, 6669, is cut in sizes 2, 4, 6 and 8 years. Age 8 years requires 2 yards of 36-inch figured goods and 3/4 yard of 36-inch plain goods. 6657—Children's Rompers: These are in the new and popular Dutch style. The blouse has quite a long opening in front, through which a shield is visible. The outside hooking to it. A small collar trims the neck, and cuffs finish the sleeves. The bloomers are in one piece closing at the sides. The pattern, 6657, is cut in sizes 2, 4 and 6 years. Medium size requires 1 yard of 36-inch light goods and 1 1/4 yards of 36-inch dark goods. Price of each pattern, 10 cents.



# POULTRY

The hatching season has been unusually prolonged this season and many chicks will be hatched in May and June.

Here it is the middle of May, and still we have freezing weather. This is hard on little chicks, though the absence of wet weather helps some.

A correspondent wants to know the best way of breaking up setting hens. One of the best ways is to make a slatted coop and put the hens in for a few days. The bottom of the coop should be slatted as well as the sides. Place it on bricks or stones a foot or more above the ground, so the air can circulate under it as well as around it. Feed very sparingly, but give the hens all the water they wish.

Beginners who are using the hen to hatch the eggs and care for the chicks often want to know how long they shall keep the hen with the chicks. Where you are depending on the hen to act as mother, it is better to have the chicks with her just as long as she gives them good attention. When you see that she is beginning to neglect them, or to peck them, then it is time for you to step in and make other arrangements for their future safety. Sometimes the hen will stay with the chicks until they are a couple of months old, and again she will desert them when a few weeks old. On account of this uncertainty keep a close watch on the hen's actions.

Keep your chickens growing. That note of warning has been sounded many times, but it cannot be impressed too strongly upon the amateur. For the first few weeks the chicks are so cute and interesting that they are not apt to lack any care and attention. But after they get larger, they are sometimes neglected, either in not being provided with proper food in sufficient quantities, or being left out during a shower or rain storm, or in not being properly cared for some cold night, with the result that they suffer from hunger, or become chilled; and then comes a derangement of the organs of digestion, followed by a general weakness and loss of appetite, and the little fellows seem to dwindle away, many of them dying, while those of them that pull through, are never the same as before, and they always suffer from the setback. A chick that is to be raised for breeding purposes can only reach its best development by a quick and steady growth from birth to maturity and no pains must be spared to see that every chance for development is furnished. So keep your chicks growing.

Get Acquainted With Mottled Anconas. There are hundreds of people who know absolutely nothing of the breed of chickens called Mottled Anconas.

Trusting it will call the attention of poultry breeders to the many excellent qualities of the Anconas, we will in a very brief way state some of the advantages we have found after six years actual trial.

They are hardy, make rapid growth, feather early, begin laying at six months, under reasonable good treatment continue to produce big white eggs until the moulting season the following year, never moult to nakedness, are very quiet, are non-setters and good foragers, will produce more eggs for the amount of food consumed than any other breed. In color they are black and white, about four times as much black as white. They are larger than the Leghorn and are by many considered the most beautiful of their class of fowl.

The writer has tried many kinds but we find after devoting many years to the production of poultry that the great number of big white eggs produced by the Anconas pay the grocer's bill and at the same time save the feed bill.—J. P. CHRISTIAN, Renick, Mo.

### Incubator Chicks.

Dear Sir: We hear so much about the difficulty of raising incubator chicks. I have been in the business for 21 years, always lost so many I was quite discouraged. This year I sent 50c (M.O.) to the Walker Remedy Co., E 13, Lamoni, Iowa, for their Walko Remedy and am having great success with it—makes me think I have found a gold mine. If I had only tried it long ago, just think of the hundreds, yes thousands of little downy fellows I could have saved. It certainly is a boon to incubator users.—MRS. CHRIS WOLF, Exira, Iowa. —Adv.



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**ROSE COMB REDS—THREE PENS OF** big husky fine colored birds. Eggs, \$2.00 per 15, fertility guaranteed. Fred T. Nye, Leavenworth, Kan.

**ROSE COMB RED EGGS, HIGH-SCORING** pens, \$3, \$2, \$1.50 setting. Rose Comb Buff Orpington eggs, \$2. V. E. Gillilan, Garden City, Kan.

**WALKER'S STANDARD STRAIN S. C. Reds.** Eggs from as fine matings as in Missouri at \$1.50 per 15. Incubator eggs, \$6.00 per 100. Walker Poultry Co., Chillicothe, Mo.

**R. C. RED EGGS FOR HATCHING FROM** five mated pens, from large prize-winning stock. Prices right. Mating list on application. Write at once. E. H. Hartenberger, R. F. D. 4, Box 1, Newton, Kan.

**ROSE COMB RED EGGS AT SACRIFICE** prices after May 15, from 5 grand pens mated to roosters costing from \$10 to \$35. 15 eggs \$1.25; 30 eggs \$2; 50 eggs \$3. Good range flock \$3 per 100. Send for catalog. W. R. Huston, Americus, Kan.

### ORPINGTONS.

**WHITE ORPINGTON EGGS FOR HATCHING.** Gustaf Nelson, Falun, Kan.

**SINGLE COMB BUFF ORPINGTONS—**Pure-bred. Fine flock on bluegrass range. Eggs, 80c per 15, three settings for \$2.00, by parcels post, prepaid; \$3.50 per 100 by express, not prepaid. L. H. Cobb, Dunavant, Kan.

### BRAHMAS.

**LIGHT BRAHMAS, WHITE WYANDOTTES, Brown Leghorns, White Guineas, White Indian Runners and Mammoth Pekin Ducks** and other breeds. Stock and eggs. Some extra fine fawn-white drakes. Emma Ahlstedt, Roxbury, Kan.

### DUCKS AND GEESE.

**S. C. BUFF ORPINGTON EGGS, \$1 PER** 15, \$5 per 100. Mrs. S. T. White, Rose, Kan.

**PURE WHITE INDIAN RUNNER EGGS**—12, \$1.50 per setting; ducklings, 25c each. Eggs will hatch will duplicate at half price. Ducks are pure white and pure-bred. W. H. Brooks, Beattie, Kan.

### FIELD NOTES

Dana D. Shuck of Burr Oak, Kan., owns one of the richly-bred Duroc herds in the state. He expects to have a fine offering during the coming season and breeders should keep his herd in mind when they are in the market for breeding stock.

J. D. Mahan of Whiting, Kan., breeds Poland Chinas that have size combined with high quality. He has a great herd of big, smooth, easy-feeding sows and his herd is headed by a son of the great Expansion. Mr. Mahan will have an excellent offering during the coming season. His card will be found in the Jackson County Breeders' Association section.

O. R. Strauss of Milford, Kan., will be prepared to show Poland China breeders a fine offering this season. He has a herd of extra large, high quality, big type sows, and his herd is headed by Model Wonder assisted by a son of Blue Valley. Poland China breeders wanting the kind with size and quality should keep this herd in mind.

John Coleman of Denison, Kan., and a member of the Jackson County Breeders' Association, has a great herd of big, smooth Polands. He has an extra fine herd of sows, among them Mastodon and Mogul-bred sows, as well as daughters of some of the noted sires of the breed. The boars at the head of his herd are outstanding good ones. He will have a tippy offering this season.

Brown Hedge of Whiting, Kan., owns excellent herds of both Shorthorn cattle and Poland China hogs. He has spared no expense in procuring the best breeding stock to be had and his herds are high class in every way. Look up his card in the Jackson County Breeders' Association section and write him for prices on both Shorthorns and Polands.

Harry W. Haynes of Meriden, Kan., one of the up to date breeders of O. I. C. hogs, has a very select herd. O. I. C. breeders will always find Mr. Haynes with a choice offering. The breeding of his herd is of the best and every individual selected by him to send out to customers must be high class in every way.

P. I. Nelson of Assaria, Kan., owns an outstanding herd of Durocs and can always supply select breeding stock. His herd is immune; the breeding is the best and he makes it a rule to send out only choice individuals. Breeders will make no mistake in selecting stock from his herd.

### DUCK RAISING

I am trying to raise some young ducks this season and so far have not had very good luck keeping them alive, although I get a very good hatch. I have been watching the poultry columns each week for some information along this line, but have not found anything to help me any, so I concluded to write you for the needed information. I will greatly appreciate your help.—Mrs. C. S. Guinty, Elbing, Kansas.

Duck raising and chicken raising are two different things, and methods that succeed with the one will prove a failure with the other. We have not had much experience in duck raising, but our boy got some white Indian Runner duck eggs from Mrs. Myers of Fredonia, Kan., this spring, and we have learned a little about duck raising. Twenty-one ducks were hatched, and by following Mrs. Myers' directions, and using a little common sense ourselves, we have succeeded in raising all but one of them. Mrs. Myers says: "Do not feed ducklings until 36 hours old. Then give stale light bread moistened. Give drinking water in vessels that will not allow ducklings to get wet. Give small amount of sand in either feed or water. After the first week mix with the bread small quantities of bran and corn chop and gradually increase. Do not allow ducklings to swim or paddle in water if weather is chilly. When two weeks old it is good to give them range upon green stuff. At about this age a small amount of beef scraps added to their mash, not over one-fifth of entire amount, will make them develop faster. We feed our laying ducks a mash three times daily—1 quart to 6 birds—as follows: 2 parts bran, 1 part shorts, 1 part corn chop, 1 part beef scraps. Keep oyster shells before them at all times."

In addition to what Mrs. Myers said, we gave the ducklings milk to drink and moistened the bread occasionally with milk in place of water. We soon found out that there was a difference between raising ducks and chicks. These ducklings were hatched by a hen and we found they did not mind their mother as dutifully as young chicks did. Whether they knew that that fussy old hen was not their real mother or not, we do not know, but they would not obey when she called them, and on cold days they would stay out so long that they would become chilly. In fact, the one duckling that we lost, died because it stayed out till it was chilled to death. That taught us a lesson and on cold days we would drive the ducklings back to the nest after they were fed, and shut them up till time to feed again. They are great rovers, and will stray away all over the yard. If allowed to paddle in water they would soon paddle themselves to death, so for the first two weeks they were only allowed to have a good drink, and the water was taken away from them.

The duck has not a regular crop like the chicken, wherewith to moisten and soften its food, but its food goes more direct and must be of a soft nature. Naturally, the food of a duck is found in ponds and streams and consists of slugs and snails and water plants and roots. No grain, therefore, should be fed to ducklings. Another duck raiser has this to say of her method: "I feed my ducks on a mash made of 100 pounds wheat bran, 50 pounds corn meal, 50 pounds oats, 25 pounds oil-cake meal, and 25 pounds dry beef scrap. This I wet with cold water and always keep clean water in a dish deep enough to get their head in. Unless the holes in the beak are kept clear and open the ducks will smother. It was surprising to see how quickly a pan of clear drinking water would get cloudy with mash. The ducks after gobbling a bit of mash would run to the water and back again, eating and drinking greedily. Several times during the week I added five per cent of grit to the mash; gave each day all the onion tops they would eat, and quantities of lettuce. I never left food before them, after a reasonable time for eating had been allowed; always fed on clean boards or gravel; kept the water vessels clean and filled three times a day, and gave them a dry place to sleep. An open shed with plenty of bedding and comfortable brood coops furnished the sleeping quarters. Had the ducklings been left to themselves, they would have been weaned from the hens in two weeks, but I left the hens in the coops to brood them for from four to six weeks, according to the weather. I never fed oftener than three times a day, and later but twice, as the range was an admirable feeding ground, abounding with duck delicacies."

From these experiences we hope our subscriber can gain some profit, but be sure not to give the ducklings too much



water, for it was a duckling that said to its mother: "Mother, may I go out to swim?" "Yes, my darling daughter; Go head first with a dash and vim, But—don't go near the water."

FIELD NOTES

Hillwood herd of Hampshire hogs owned by J. L. Edwards of Smithville, Mo., is one of the best herds of that breed to be found anywhere in the West. Mr. Edwards has three boars in use in his herd that are hard to beat and his herd of Earlanger, Pat Malloy, Blythesdale Duke, Elm Grove King and Pirate sows ranks with the best herds in existence. This year he has a large number of extra fine pigs, big, growthy fellows and all nicely belted. He expects to have an extra offering for the fall trade. Watch Kansas Farmer for further announcement concerning this herd.

Please notice the advertisement of Bonnie View Stock Farm which appears elsewhere in Kansas Farmer this week. This firm made a wonderful record last fall at the Kansas State Fair at Topeka, winning twelve premiums on fifteen animals. They won practically everything on fall stuff, and they have a better prospect this year than they had last. They have at present three young herds of last fall's farrow, any one of which would be an honor for any one to show. They would like to sell one or two of these show herds. They have been selected out of three different litters, so each of the herds can be shown as young herd, get of boar, and produce of sow. One of these herds was sired by S. & C's Col. 133377 out of Bonnie's Princess 328050, farrowed September 12, 1913. The dam of this herd won six prizes at the Topeka State Fair in 1912. Please write to Searle & Cottle, Berryton, Kan., for further information, and mention Kansas Farmer.

A. B. Madison Tops Searle's Sale.

An error was made in reporting the top cow in F. J. Searle's Holstein dispersion sale. The top cow was a daughter of King Walker and out of the 32-pound cow, Rhaitgundis Mercedes Molley Zell. A. B. Madison of Kingman, Kan., purchased this cow, the price being \$580. Mr. Madison also topped Mr. Schneider's consignment, getting the good cow, Maplecroft Colantha Korn-dyke.

Glenwells Farm Jerseys.

Attention is called to the advertisement of Fred B. Glover of Glenwells Farm, Grandview, Mo. Mr. Glover's Jersey herd is one of the finest in the West and consists of 100 head of richly bred, high class individuals. At this time this offering consists of young bulls ready for service, sired by such bulls as Vesta's Knight, a son of Camboge Knight, and Golden Love's Son by Sultana's Jersey Lad. These young bulls are ready for light service. They are out of the best cows of the herd and anyone wanting high class, richly bred Jerseys should get in touch with Mr. Glover. He is making prices that are very reasonable on this high class offering. Write him for prices and pedigrees. Please mention Kansas Farmer when writing.

Holstein Cattle and Percheron Horses.

It should be remembered that on June 25 head of Holstein cows and 20 Percheron 11 J. C. Robinson of Towanda, Kan., will sell mares and five Percheron stallions. A quarter page announcement will appear next week. Please send for catalog and arrange to attend this sale if you are interested in Holstein cattle or Percheron horses. Kindly mention Kansas Farmer when you write.

Alvey Bros. Jersey Sale.

On June 25 Alvey Bros., living near Meriden, Kan., will sell at the Topeka Fair Grounds, 25 head of high class Jersey cows and heifers. The writer has carefully inspected these cows and personally knows what they will produce at the fall. They are all regular producers of all healthful, no aged cows and none with bad udders. Mr. Alvey is selling his entire herd on account of retiring from the farm. It is not a reduction sale to close out a surplus, non-paying bunch of cows. Everything sells at the high bid; nothing reserved. The Alvey Bros. have a wide acquaintance among the O. I. C. hog breeders. It was Alvey Bros. who bred Big Mary, the grand champion O. I. C. sow, and also Ker Dick, the grand champion O. I. C. boar, at the World's Fair at St. Louis. The Alvey Bros. are not only breeders of high class show hogs but they are breeders of high class and profit-paying Jersey cows. They have the kind that test high and at the same time fill the pail and are bred along lines of large milk producing cattle. There are no better pedigrees from a producing standpoint. The catalog is now in print and will soon be ready to mail out. It is full of valuable information about this herd. It is free for the asking. Please send your name today. Remember, the sale will be held on June 25 at the Topeka Fair Grounds. For catalog, write to Alvey Bros. at Meriden, Kan., and kindly mention Kansas Farmer when you write.

The F. Mayer Boot and Shoe Co., of Milwaukee, manufacturers of the Martha Washington Comfort Shoes, recently conceived the idea of sending souvenirs to all of the descendants of Martha Washington, after whom their comfort shoe is named. When they set about to carry out this idea, thousands of people claimed kinship. In fact so many claimed kinship to the illustrious Martha, that the project was given up. The company started to investigate the Lewises, taking their cue from Lawrence Lewis, who was related to Martha. They intended later to take up the other branches of the family. However, nearly every Lewis approached claimed descent from the family, so the plan was abandoned. The F. Mayer Boot and Shoe Company, which has one of the largest shoe manufacturing establishments in the West, makes a complete line of shoes for men, women and children, including the well-known "Honorbilt" shoe, and the specially constructed wet weather shoe, known as the "Drysox."

Laude & Son Offer Choice Bulls.

G. A. Laude & Sons, Rose, Kan., have two nice Shorthorn bulls still unsold; both are fit for heavy service; one is a nice red, 20-months old, by the well known show bull, Lord Mayor 3rd out of an excellent cow that won several grand championships, and sired by the \$500 Prime Minister who was out of a full sister to the International grand champion, Lavender Viscount; the other, a red roan by Goodline by imported Collynie; his dam is a very handsome, good sized cow from the Glick herd that carries the best blood of the noted Vaile Waterloos. This bull combines the fleshing quality of the Scotch with the finish and style of the Bates' Shorthorns and is much admired. Write Messrs Laude for particulars. Visitors can reach them from Rose on Missouri Pacific, Humboldt, Katy or Santa Fe.

Classified Advertising

Advertising "bargain counter." Thousands of people have surplus items or stock for sale—limited in amount or numbers hardly enough to justify extensive display advertising. Thousands of other people want to buy these same things. These intending buyers read the classified "ads"—looking for bargains. Your advertisement here reaches over 300,000 readers for 4 cents a word per week. No "ad" taken for less than 60 cents. All "ads" set in uniform style, no display. Initials and numbers count as words. Address counted. Terms, always cash with order.

SITUATIONS WANTED ads, up to 25 words, including address, will be inserted free of charge for two weeks, for bona fide seekers of employment on farms.

HELP WANTED.

MEN WANTED TO LEARN BARBER TRADE. Term not limited. Tools free. Call or write, Topeka Barber College, 327 Kansas Ave., Topeka, Kan.

AGENTS WANTED TO SELL STANDARD acetylene lighting plants. The successful farm home light. Write Acetylene Factory, Wichita, Kan.

YOUNG MEN—WANTED, 50, TO JOIN us in the live stock business. New plan. Particulars free. Capital required. State age, occupation, resources, married or single. Address Willow Creek Live Stock Co., Janet, Wyo.

FREE ILLUSTRATED BOOK TELLS OF about 300,000 protected positions in U. S. service. Thousands of vacancies every year. There is a big chance here for you, sure and generous pay, lifetime employment. Just ask for booklet S-809. No obligation. Earl Hopkins, Washington, D. C.

U. S. GOVERNMENT JOBS OPEN TO men and women. Over 15,000 appointments coming. \$75 to \$150 month. Life jobs. Pleasant work. Short hours. Vacations. Common sense education sufficient. Full directions telling how to get position, free. Franklin Institute, Dept. G 81, Rochester, N. Y.

AGENTS—RED HOT SUMMER SELLER. Concentrated soft drinks; orangeade, grape, raspberry, etc.; 7 kinds; small package; enormous demand; whirlwind sales; astonishing profits; get it quick while it's new. Write today for full particulars. American Products Co., 2071 Sycamore St., Cincinnati, Ohio.

MAKE \$100 A SEASON IN SPARE TIME only and get all your own clothes free; easy to get orders for men's suits with our beautiful samples and up to date styles. Write at once for free book of samples and styles, agents inside costs and retail prices, full information and our big, new offer. It's a wonderful opportunity. Knickerbocker Tailoring Co., Dept. 102, Chicago.

LOCAL REPRESENTATIVE WANTED.—Splendid income assured right man to act as our representative after learning our business thoroughly by mail. Former experience unnecessary. All we require is honesty, ability, ambition and willingness to learn a lucrative business. No soliciting or traveling. All or spare time only. This is an exceptional opportunity for a man in your section to get into a big paying business without capital and become independent for life. Write at once for full particulars. National Co-Operative Realty Company, L-473 Marden Building, Washington, D. C.

REAL ESTATE.

FOR SALE OR TRADE—120 A. NEAR Lamer, Barton Co., Mo. Address A. H. Storm, Windsor, Ill.

REAL ESTATE WANTED—SELL YOUR property quickly for cash, no matter where located. Particulars free. Real Estate Salesman Co., Dept. 77, Lincoln, Neb.

WANT FARM IN EXCHANGE FOR flats; new; very fine; sure income \$3120 annually. R. E. Alderson, 1012 Baltimore, Kansas City, Mo.

320 A. 6 MILES JUNCTION CITY, KAN. \$65 per acre. 160 a. 8 1/2 miles Junction City, Kan., \$90 per acre. Jos. Moody, Ogden, Kan., Route 1.

FOUND—320-ACRE HOMESTEAD IN settled neighborhood; fine farm land; not sand hills. Cost you \$200 filing fees and all. J. A. Tracy, Kimball, Neb.

80 ACRES RIVER BOTTOM LAND; 30 acres in alfalfa; 9 miles from Shawnee, Okla.; \$50 per acre, worth \$80. Write A. A. Mauldin, Chandler, Okla.

A VANISHING OPPORTUNITY.—FOR sale, California farm lands and stock ranches. For particulars address Maguire & Nelson, 378 Wilcox Bldg., Los Angeles, Cal.

FREE GOVERNMENT LAND; NEAR 500,000 acres in Arkansas now open to homestead entry; guide book with lists, laws, etc., 25 cents; township map of state 25 cents additional. L. E. Moore, Little Rock, Ark.

FARMS WANTED—WE HAVE DIRECT buyers. Don't pay commissions. Write describing property, naming lowest price. We help buyers locate desirable property free. American Investment Association, 43 Palace Bldg., Minneapolis, Minn.

FOR SALE—FINE 80, 3 MI. WEST OF Kelley, Nemaha Co., Kan.; 40 a. wheat; 10 a. alfalfa; 15 a. fine bottom corn; 15 a. pasture. \$110 per a. with crop, \$100 without. \$5,000 down, bal. long time 6%. Otis Warrenburg, owner, Centralia, Kan.

KANSAS CITY BUSINESS PROPERTY, 150x50 feet, corner Fifth and Troost Ave., must be sold to settle an estate. A rare bargain in the fastest growing city in the West. Address K. C. Property, care of Kansas Farmer.

OREGON STATE PUBLICATIONS FREE. Oregon Almanac and other official books published by State Immigration Commission, telling of resources, climate and agricultural opportunities for the man of moderate means. Ask questions—they will have painstaking answers. We have nothing to sell. Address Room 54, Portland Commercial Club, Portland, Ore.

VICTORIA, AUSTRALIA, WANTS SETTLERS. Special inducements offered by State Government which owns lands, water, railroads and free schools. Excellent climate, resembles California; no extreme heat or cold. Small deposit and 3 1/2 years for purchase of lands, adapted to every kind of culture. Citrus fruits, apples and pears; wheat, corn, alfalfa, sugar beets; dairying, hog raising, etc. Ample markets. Exceptional opportunities in irrigated districts. Reduced passages for approved settlers. Free particulars from F. T. A. Fricke, Box 34, 687 Market St., San Francisco.

REAL ESTATE.

FOR SALE—240 ACRES. THIS IS A very nice level tract of land. Owner, R. L. Hampel, Otis, Kan.

240 ACRES GRASS LAND 4 MILES OF Lenora, \$1,500; no trades. B. K. McNeill, Gaylord, Kan.

TREES, SEEDS AND PLANTS.

GERMAN MILLET SEED FOR SALE AT \$1 per bu. Track, Seneca. Aug. Kramer, Seneca, Kan.

RED BERMUDA SWEET POTATO plants \$1.50 per 1,000. T. F. Pine, Lawrence, Kan.

5,000,000 SWEET POTATO PLANTS FOR sale. Any variety at 20 cents per 100; \$1.75 per 1,000. F. H. Buschmann, Popular Bluff, Mo.

PURE FETERITA SEED A SPECIALTY, test 95 to 99. Threshed, cleaned or in head, \$2.50 per bushel. Also kafir, Manhattan strain. Send for pamphlet. H. M. Hill, Lafontaine, Kansas.

FOR SALE—AT BERMUDA RANCH, hardy acclimated Bermuda grass roots, \$1 per bran sack full. Also three high-grade Red Polled yearling bulls. Frank Hall, Toronto, Kan.

FOR SALE—CHOICE FIRST CLASS RE-cleaned feterita seed at \$4 per cwt., sacked f. o. b. Hutchinson or Liberal, Kan. Germination excellent. Our supply is limited. Place your orders before it is exhausted. The Liberal Elevator Co., Hutchinson, Kan.

FETERITA—PROFITABLE CATCH CROP; requires very little moisture; don't let your oats and wheat ground grow up to weeds; plant feterita; get seed crop equal to kafir; 8 bushel plants 25 acres; choice seed in heads at \$2.50 bushel. H. W. Smith, Buxton, Kan.

ONE MILLION HIGH GRADE TOMATO plants; Earliana, McGee, Bonney Best, Dwarf Champion, Stone, Acme and others. Prices reduced to 30c per 100, 500 for \$1 or 1,000 for \$1.75 by parcel post. Sweet pepper plants 40c per 100. J. E. Fitzgerald, Stephenville, Texas.

PLANTS—CABBAGE: EARLY, SUCCESSION, Late, 20c per 100, \$1.75 per 1,000. Tomatoes: Earliana, Early Tree, Dwarf, Champion, Beauty, Matchless, 30c per 100, \$2.50 per 1,000. Sweet potatoes: Yellow Jersey, 22c per 100, \$1.85 per 1,000. Red Jersey, Red Bermuda, Southern Queen, Early Golden, 30c per 100, \$2.50 per 1,000. Not prepaid. Parcel post 5c extra. Chas. F. Rude, North Topeka, Kan.

CATTLE.

FOR SALE—REGISTERED HOLSTEIN bulls. Smith & Hughes, Topeka, Kan., Route 2.

GRADE HOLSTEIN CALVES, BOTH sexes, for sale. Arnold & Brady, Manhattan, Kan.

FOR SALE—FOUR YEARLING SHORT-horn bulls. R. Y. Evans, Cowham Ranch, Mount Ida, Kan.

REGISTERED YEARLING GALLOWAY bulls for sale by B. F. Young, Richland, Kan.

REGISTERED YEARLING HOLSTEIN bulls; ready for service. P. B. Johnson, Leavenworth, Kan.

FOR SALE—REGISTERED POLLED Jersey bull; nineteen months old. Frank Ridpath, Olathe, Kan.

HOLSTEIN CALVES; BEAUTIFULLY marked; 3 to 5 weeks old; 15 sixteenths pure; \$20; crated for shipment anywhere. Edgewood Farm, Whitewater, Wis.

FOR SALE—SEVEN YOUNG HEREFORD bulls; fully developed; good quality; twelve to twenty months old. G. W. Calvert, Burlington, Kan.

HIGH-GRADE BULL CALVES FOR SALE from heavy producing dams and sired by registered bulls. Higginbotham Bros., Rossville, Kan.

HOLSTEIN BULL CALF, COMBINING great milk and butter strains; grandson of King Walker whose daughter just completed world record for milk and butter, 365 days; four generations of cows, over 30 pounds butter in 7 days in this pedigree; no females for sale. Established 1901 by Geo. C. Mosher, Hillcroft Farm, 3612 Locust St., Kansas City, Mo.

HOLSTEINS—OWING TO SHORTAGE of feed will sell my select herd of 250 Holsteins in the next 60 days, as follows: 50 fully developed rich producing cows; 150 heifers ranging in age from six months to three years, with lots of quality; 50 registered cows and heifers. For particulars write Neal Houslet, Oxford, Wisconsin.

FOR THE NEXT 90 DAYS WE ARE DISPOSING of all our Holstein calves, from heavy producing high grade Holstein cows and a very fine registered Holstein sire. The calves are from 4 to 6 weeks old, weaned, beautifully marked, strong and vigorous. Either sex, \$17, crated for shipment to any point. If you wish to get a start with good ones, send your order at once. Whitewater Stock Farm, Whitewater, Wis.

HORSES AND MULES

SHETLAND PONIES—WRITE CHARLES Clemmons, Coffeyville, Kan.

SHETLAND PONIES—REGISTERED; eligible and grade mares and stallions; write for description and kodak picture. J. R. Atchison, Minneola, Kan.

WANTED—TO BUY.

WANTED—TWO SHETLAND PONIES. Give age, description and price. Box 15, Topeka, Kan.

PATENTS.

PATENTS PROCURED OR FEE REFUND. Official drawings free. Send sketch for free search. Patent Exchange, Jordans Bldg., Washington, D. C.

MISCELLANEOUS.

CLEANING, PRESSING, DYEING, WORK guaranteed. Manhattan Cleaners, 609 Jackson, Topeka.

NEW CYCO BICYCLES. COMPLETE with coaster brake. \$21.50. J. C. Harding Co., Topeka, Kan.

LADIES—MAKE PLAIN APRONS AT home; \$6 to \$8 weekly; full size sample apron, etc., sent free on receipt of 25 cents silver. Box 565, Norman, Okla.

SEND 10 NAMES OF PERSONS WHO play piano, to Lochman Sales Company, Mt. Washington, Mo., and receive one copy of sheet music free.

WE TRUST YOU. LADIES, ORDER 20 dust cloths from us on credit. Sell them at 25 cents each, forward the money to us and we will send you three beautiful lace curtains for your trouble. National Supply Co., Iola, Kan.

DOGS.

COLLIES, AIREDALES, TERRIERS—Send for list. W. R. Watson, Oakland, Iowa.

SCOTCH COLLIES. WESTERN HOME Kennels, St. John, Kan.

FOR SALE—RUSSIAN WOLF HOUND and registered grey hounds; stamps for reply. Chas. Branson, Waverly, Neb.

HOGS.

HAMPSHIRE PIGS, \$5. WILL WOOD-ruff, Kinsley, Kan.

WHITE LILY HERD O. I. C. SWINE—Fall boars and gilts. Spring pigs, either sex. E. E. Smiley, Perth, Kan.

REGISTERED HAMPSHIRE PIGS FOR sale. Write or call for prices. They will please. B. F. Fleischer, Hoyt, Kan.

FOR SALE—POLAND CHINA FALL gilts; best of big type breeding; bred or open; \$20. Also spring pigs at weaning time. John D. Henry, Leocompton, Kan.

BERKSHIRE HOGS FOR SALE; OF Black Robinhood breeding; from 10 weeks to 13 months old; choice stock. G. D. Willems, Inman, Kan.

POLAND CHINA PIGS—THE BIG EASY-keeping kind, \$8 each, \$15 a pair (not related). Eggs for hatching from pure-bred ducks, turkeys and chickens. Mrs. Maggie Rieff, St. Peter, Minn.

ELM GROVE DUROCS FOR SALE; also my herd boar, "Smolan Chief," and one fall boar. Will consider exchange for boar or sows. Can ship via U. P. or M. P. Paul A. Drevets, Smolan, Kan.

YOUNG HAMPSHIRE BOARS AND boar pigs for sale; champion bred stock; best families; best individuals; write for particulars; surplus females all sold. Geo. C. Mosher, 3612 Locust St., Kansas City, Mo.

AUTOMOBILE ACCESSORIES

AUTOMOBILE OWNERS—FREE CATALOG. All supplies, wholesale prices. State if Ford owner. Consumers' Auto Supply Co., Dept. B, Chicago.

BEE SUPPLIES.

FOR SALE—BEE SUPPLIES. ROOT'S goods. Send for catalog. O. A. Keene, 1600 Seward Ave., Topeka, Kan.

THE STRAY LIST

W. E. NEAL, COUNTY CLERK, NEOSHO County. Taken up by W. T. Heath of Centerville Township, on April 21, 1914, one gray mare 10 or 15 years old, weight about 1,050 pounds, valued by takerup at \$100; and one black mare, blind in left eye, brand O V on left cheek bone, 10 or 12 years old, weight about 1,050 pounds. Valued at \$75 by takerup. Address of W. T. Heath, Erie, Kansas, Route 4.

RICHARD ROHRER, COUNTY CLERK, Geary County, Kansas. Taken up, on 1st day of April, 1914, by Herman Nelson on his premises in Jackson Township in Geary County, Kansas, sixteen head of hogs; twelve of them are black in color, weighing about 80 pounds; four of them cross-bred red and black in color and weighing about 80 pounds. Some of the hogs are marked with splits in their ears. Dated April 22, 1914.

SITUATION WANTED.

FARMERS—YOUNG MAN WANTS JOB on farm where auto or gas engines are used. Has had experience in farming and autos. Write J. J. Coleman, Y. M. C. A., Topeka, Kan.

WANT JOB IN DAIRY AND IN GARDENING. I am 50 years old; don't use tobacco; am temperate. My address, I. B. Jones, 813 W. Douglas Ave., Wichita, Kan.

YOUNG MAN WANTS POSITION ON farm until wheat harvest. Experienced and capable. Reference furnished if desired. Leonard Baker, Smith Center, Kan.

FIELD NOTES

Corydale Farm Holstein herd owned by L. F. Cory, Belleville, Kan., should not be overlooked by breeders wanting high class breeding stock. This herd is headed by Jewell Paul Butter Boy, one of the good sires of the breed. Mr. Cory is offering some choice registered bulls from richly bred cows with strong A. R. O. backing. They are nicely marked and splendid dairy type. His prices are reasonable.

Auld Bros., of Frankfort, Kan., can supply breeders of Red Polled cattle with choice, young bulls or cows and heifers. They have a very fine herd and their offering is very high class in every way. Write them for prices and description of stock.

Col. P. E. McFadden of Holton, Kan., has a wide reputation as a successful auctioneer. His years of experience and very close study of the business, coupled with his judgment of value, insures the best results. His methods are up to date and he always succeeds in selling an offering for its full value. Write him for open dates.





# JACKSON COUNTY BREEDERS' ASSOCIATION

MOST PROGRESSIVE BREEDERS OF JACKSON COUNTY UNDER THIS HEAD



Bruce Saunders President

Devere Rafter Secretary

### SHORTHORNS.

**Oak Grove** Shorthorns headed by the great bull "White Starlight" by Searchlight. Dam by Choice Goods. Every cow in herd straight Scotch. **ROBT. SCHULZ**, Holton, Kansas.

### ABERDEEN ANGUS.

"BLACK DUSTER" heads our herd, mated with as richly bred cows as can be found. Choice cows with calves at foot, and re-bred. Also young bulls. Berkshires. **George McAdam**, Holton, Kan.

### POLLED DURHAMS.

"TRUE SULTAN" heads herd. Shown at 9 leading fairs last year, winning 9 firsts and 8 junior championships. We are mating him with cows of equal breeding and merit. **Ed. Steglin**, Straight Creek, Kan.

### HOLSTEINS.

**SHADY GROVE HERD.** For immediate sale, four choice young bulls of excellent breeding and out of high record dams. Also three-year-old herd bull. Inspection invited. **G. F. MITCHELL**, Holton, Kan.

**SEGRIST & STEPHENSON.** Breeders of registered working high testing Holsteins. Choice young bulls out of record cows for sale. Farm adjoins town. **Holton, Kan.**

**BUFFALO AGUINALDO DOEDE** heads Shadland farm herd. Dam, Buffalo Aggie Beets, the world's second greatest Junior 3-year-old cow. Young bulls for sale. **David Coleman & Sons**, Denison, Kan.

**HOLSTEINS.** Best of breeding and individuality. Registered and unregistered O. I. C. swine of the best strains. Also White Wyandotte chickens. Stock for sale. **J. M. Chestnut & Sons**, Denison, Kansas.

### JACKS AND JENNETS.



**M. H. ROLLER & SON** Circleville, Kan.

Fourteen big jacks and 25 jennets for sale. One imported Percheron and one high-grade Belgian stallion.

### PERCHERONS.

**BANNER STOCK FARM**—Home of "In-claud" champion American Royal, 1911; Weight, 2,240. Two young stallions and one two-year-old big jack for sale. **BRUCE SAUNDERS**, Holton, Kansas.

**PERCHERONS FOR SALE.** A few nice farms for sale. Write **JAS. C. HILL**, Holton, Kansas.

**P. E. McFADDEN, HOLTON, KANSAS.** Live stock and general farm **AUCTIONEER**

### HEREFORDS.

**HEREFORD BULLS.** Choice, richly bred individuals, ready for service. Also Duroc Jersey gilts bred for spring farrow. Percherons for inspection. **M. E. GIDEON**, Emmett, Kansas.

### JERSEY CATTLE.

**Linscott Jerseys.** The oldest and strongest herd in Kansas. One hundred head, consisting of cows in milk, heifers and young bulls. Reasonable prices. Island breeding. **R. J. LINSOTT**, Holton, Kansas.

**FAIRVIEW JERSEYS.**—For quick sale, a 4-weeks-old bull out of a fine young cow now giving 4 gallons of 5.6% milk daily. He is fine type and priced reasonably. **R. A. GILLILAND**, Mayetta, Kan.

**SUNFLOWER JERSEYS,** headed by Imp. "Castor's Splendid," mated with real working cows. Choice young bulls of serviceable age for sale. **H. F. ERDLEY**, Holton, Kansas.

**Spring Hill Dairy Farm Bull Calves** by sons of Gamba Oxford Princess, 2 lbs. 6 1/2 oz. butter; Diploma's Fair Maiden, 11,400 lbs. milk, 3 mos. Also females. **J. B. PORTER & SON**, Mayetta, Kansas.

"**Fontain's Valentine**" heads our Jerseys. Unregistered cows bred to this bull for sale. Also bull calf. **W. R. LINTON**, Denison, Kansas.

### POLAND CHINAS.

**DODSON BIG SMOOTH KIND.**—Ten big fall boars, ready for light service; sired by Sunny Colossus. Fourteen gilts will be bred to Orange Chief. **WALTER DODSON**, Denison, Kan.

**HIGHLAND STOCK FARM.** Poland Chinas Shorthorns. 15 choice, big bone, spring and summer boars for sale, sired by "Expansive Wonder." Also fall boars. **BROWN HEDGE**, Whiting, Kansas.

**MAHANS BIG POLANDS** have both size and quality. Headed by a son of the great Expansive. Sows of unusual size and smoothness. 25 fall pigs, either sex, for sale. **J. D. MAHAN**, Whiting, Kansas.

**COLEMAN'S BIG SMOOTH POLANDS.** 150 in herd. Herd boars, O. K. Land, Hadley C. Expansion, Price We Know, Mastodon and Mogul sows. Herd has tops from many sales. 20 bred gilts and 25 fall pigs for sale. Also Jersey cattle. **JOHN COLEMAN**, Denison, Kan.

**TEN BRED GILTS** and tried sows. Big kind bred to a splendid son of Blue Valley Gold Dust. Dams trace to John Blain's breeding. **IMMUNE.** **O. B. CLEMETSON**, Holton, Kansas.

### HOLSTEIN CATTLE.



### Pure-bred Registered HOLSTEIN CATTLE

Quantity of production and persistency of milking during long periods are well known characteristics of Holsteins. Dropping her first calf at about two years old the average cow, if well cared for, will produce from 5,000 to 6,000 pounds of milk in ten months, and she will increase the production every year until, at five years, she will give from 7,000 to 9,000 pounds. Their ability to digest and assimilate food, many Holsteins will exceed this production. If fed to their ability they will produce. Send for **FREE Illustrated Descriptive Booklets.** **Holstein-Friesian Assn., F. L. Houghton, Sec'y, Box 114, Brattleboro, Vt.**

**CORYDALE FARM HOLSTEINS** Headed by Jewell Paul Butter Boy. Eleven choice registered bulls; ages, few weeks to 24 months. From large richly-bred cows with strong A. R. O. backing. Nicely marked. Spring dairy type. Reasonable prices. **L. F. COBY**, Belleville, Kan.

**REGISTERED HOLSTEIN BULL.** Extra high milk and butter producing yearling; Korndyke family; all ancestors 21 lbs. butter, 7-day test; worth \$250. If sold at once \$175 gets him also registered cow for sale. **L. REEF**, Abilene, Kansas.

**CHENANGO VALLEY GRADE HOLSTEINS** Two hundred nicely marked well-bred young cows and heifers, due to freshen within the next three months. Also registered bulls ready for service. **F. J. HOWARD**, Bouckville, N. Y.

**FOR SALE**—At reasonable prices, 25 high grade Holstein Dairy Cows, all young, good size and well marked. Not registered, but best to be had in the state at prices asked. A few young bulls coming one year old. Independent Creamery, Council Grove, Kan.

**HIGH CLASS HOLSTEIN COWS** Both registered and high grade. Breeding stock for sale at all times. Write us your wants. **ARNOLD & BRADY**, Manhattan, Kan.

**HOLSTEINS FOR SALE.** High grade cows and springing heifers, also registered bulls ready to use. Exceptionally good breeding. Write **Springdale Stock Ranch, Concordia, Kansas.**

**Butter Bred Holsteins** For Sale—A herd bull, also choice bull calves. Prices very reasonable. Write today. These bargains will not last long. **J. P. MAST**, Scranton, Kan.

**GOLDEN BELT HOLSTEIN HERD.** Prince Hadria at head of herd. He has 26 A. R. O. sisters, 21 brothers and several daughters. Extra choice young bulls for sale out of 600-pound A. R. O. dams. Farm near town. **W. E. BENTLEY**, Manhattan, Kansas.

**SIXTY HEAD** of registered and high-grade Holstein cows and heifers, also a few registered bull calves. **HIGGINBOTHAM BROS.**, Rossville, Kansas.

**HOLSTEIN BULL CALVES** always on hand, and worth the price. **H. B. COWLES**, Topeka, Kansas.

**HAMPSHIRE HOGS** **ECLIPSE FARM HAMPSHIRE.** Bred sows, spring and summer pigs for sale. **A. M. BEAR**, Medora, Kansas.

**ATTRACTIVE PRICES.** Some extra nice gilts bred for August litters and a few choice 200-pound boars; also one tried sow bred for June. **W. C. WITTOREFF**, Medora, Kan.

**Registered Hampshire Hogs** For sale, both sexes. Choice betting and type. Priced reasonable. **E. S. TALIFERRO**, Route 3, Russell, Kan. Shipping point, Waldo, Kan.

**BRED Gilts,** serviceable boars, January and February pigs. Best breeding, well marked. Singly, pairs and trios. Satisfaction guaranteed. Prices reasonable. **S. E. SMITH**, Route 5, Box 18, Lyons, Kan.

**HAMPSHIRE HOGS.** We will offer the next 30 days two yearling and eight fall boars; also a few sows and gilts all of the very best breeding and markings. For further information address **WILLIAM INGE & CO., Independence, Kan.**

**DUROC JERSEYS** **GOLDEN RULE DUROC JERSEYS.** Twenty spring boars, tops of entire crop. Sired by Dreamland Col. and River Bend Col., out of big mature sows. Priced to sell. **LEON CARTER**, Asherville, Kan.

**Good Enough Again King 35203,** the sensational grand champion of Kansas State Fair, 1913, heads our great herd. Forty sows and gilts for sale. **W. W. OTEY & SONS, WINFIELD, KAN. THE MEN WITH THE GUN' ANTEE.**

**Bonnie View Stock Farm** We have for sale some extra fall and spring pigs, nice enough to head any herd or show at any fair; out of prize winners. Write for prices on boar and three sows; last fall's farrow; for show. **SEARLE & COTTE**, Berryton, Kan.

**Reser & Wagner of Bigelow, Kan.,** have a richly bred herd of Red Polled cattle. Their herd is headed by Waverly Monarch, one of the outstanding Red Polled sires now in service. Breeders wanting cows or young bulls should get a line on this herd. Their offering will bear close inspection.

**Reser & Wagner's RED POLLS.** Richly bred herd headed by Waverly Monarch. Bulls of serviceable age all sold. Fresh cows and young bulls for sale in spring. **Reser & Wagner**, Bigelow, Kan.

**RILEY COUNTY BREEDING FARM.** Red Polls headed by the last son of Cremona. Bulls all sold. Percherons headed by son of Casino. Visit herd. **ED NICKELSON**, Leonardville, Kan.

**HOLSTEIN CATTLE.** **CHOICE HOLSTEIN HEIFERS.** Well-bred 2-yr.-old and yearling heifers. All fancy colors. Write for prices and descriptions. **GEORGE F. DERBY**, Lawrence, Kansas.

**M. E. MOORE & CO.** **CAMERON, MISSOURI.** **CHOICE BULL CALF,** born October 1, 1913. Fine individual, nicely marked. Dam, A. R. O., 236 pounds butter, 530 pounds milk, 7 days; sire, son of Pontiac Korndyke with 79 A. R. O. daughters.

### DUROC JERSEYS

### TATARRAX HERD DUROCS

Some choice fall boars ready for service by Tattarrax and G. M.'s Tat. Col. Price reasonable. **C. L. BUSKIRK**, Newton, Kansas.

### BON ACCORD DUROCS

Choice September boars, also one fancy April boar by Successor and out of the grand champion sow, Model Queen. **LOUIS KOENIG**, Solomon, Kansas.

**DUROCS** Summer and Fall Boars, sired by Joe's Pride 118467 and Monarch's Model 139777. Also a few bred gilts by Joe's Pride and bred to Royal Climax. Will sell or trade Monarch's Model for good sow or gilt. **Howell Bros., Herkimer, Kan.**

**BELLAIRE DUROC JERSEY HERD.** Fall boars and gilts; immunized, double treatment; best of breeding; good individuality; spring pigs, both sex. Write for prices. **N. D. SIMPSON**, Bellaire, Kansas.

**WEANLING PIGS**—Duroc pigs from large, prolific, easy-feeding stock, \$15 each. Express paid on pairs and trios not related if ordered before June 1. Superba, Defender, B & C's Col. and Ohio Chief blood lines. Also choice summer and fall gilts ready for breeding. Everything immune. **JOHN A. REED**, Lyons, Kansas.

**DREAMLAND COL. HEADS OUR HERD.** For Sale—Clear Creek Col., a splendid individual and sire; reasonable figure; fully guaranteed. **J. B. JACKSON**, Kanapolis, Kan.

**FANCY DUROC BOARS AND GILTS.** Fall boars by Smith's Graduate by J. R.'s Col. by Graduate Col., out of best sows. Choice lot of gilts by J. R.'s Col. bred for June litters to Gold Medal. Priced for quick sale. **J. B. SMITH**, Newton, Kansas.

**DUROC JERSEYS** Bred gilts, \$25; boars, any age. The big, growthy kind. All immune. Satisfaction guaranteed. **C. G. DITMARS & CO., Turney, Mo.**

**BARGAIN IN DUROC BOARS.** Few choice boars left. Rich breeding and well grown out. Priced for quick sale. We need the room for our spring pigs. Write for prices and descriptions. **M. M. HENDRICKS**, Falls City, Neb.

**Crystal Springs Duroc Jerseys.** The Big Prolific Kind. Boars by Bull Moose Col. by King the Col. From big, well bred sows. Write for descriptions and prices. **Arthur A. Patterson**, Ellsworth, Kansas.

**IMMUNE DUROCS**—Fifty big-type sows and gilts, fall boars and spring pigs. Choice breeding and guaranteed immune from cholera. Inspection invited. **F. I. NELSON**, Assaria, Saline Co., Kan.

**POLAND CHINAS** **GRANER'S IMMUNE FALL BOARS** Twenty extra choice big-type fall boars, tops from my entire crop, mostly sired by Moore's Halvor, my big Iowa bred boar. Others by Sampson Ex. and Melbourne Jumbo, out of big mature sows, \$25 each while they last. Send check with first letter. Fully guaranteed. Also one pure Scotch Shorthorn bull, solid red color, 12 mos. old. **H. C. GRANER & SON**, Lancaster, Kansas.

**CEDAR LAWN POLAND CHINAS** Choice September boars and gilts sired by the big boar, A's Big Orange, out of strictly big-type dams. All immune. Also Shorthorn bulls. **S. B. AMCOATS**, Clay Center, Kansas.

**SPOTTED BOARS FOR SALE.** I have four splendid old original big boned spotted Poland boars ready for service. Price reasonable. One good gilt bred for last of May farrow. Spring pigs, either sex. Jerseys—bred heifers and bulls for sale. **THE ENNIS FARM**, Horine Station, Missouri. (30 miles south of St. Louis.)

**BIG-TYPE BOARS AND GILTS.** July, August, September farrow. Can breed gilts to suit purchaser. Boars ready for service. Will book orders for spring and Special offering. Choice bred sows and Priced right. Write. **DIETRICH & SPAULDING**, Richmond, Kan.

**Pioneer Herd Big-Type Poland Chinas.** Choice lot of sows and gilts for sale, bred for summer and fall litters to the three times grand champion boar, Smugler S58913, A173859, and Logan Price. Booking orders for spring pigs in pairs or trios. Prices reasonable. **OLIVIER & SONS**, Danville, Kansas.

**Merten's Big Smooth Poland Chinas** Headed by King Hadley 3d and Kansas Wonder, mated with daughters of Old Expansion, What's Ex, and Grand Look Jr. Stock for sale. **E. E. MERTEN**, Clay Center, Kansas.

**PAN LOOK HEADS HERD.** Biggest possible big-type breeding. Fall boars and gilts sired by him for sale. Be your own judge. Out of Expansion bred dams. **JAS. ARKELL**, Junction City, Kan.

**Faulkner's Famous SPOTTED POLANDS.** We are not the originator, but the preserver of the server of the **Old Original Big-Boned Spotted Polands.** Write your wants. Address **H. L. FAULKNER**, Box K, Jamesport, Mo

**SMITH'S BIG-TYPE POLANDS.** A choice lot of fall pigs, either sex. Strictly big-type breeding. High-class individuals, priced to sell. **AUSTIN SMITH**, Dwight, Kansas.

**A ORANGE AGAIN** Heads our Poland Chinas. Choice big fall boars for sale, also 50 spring pigs. **HUBERT J. GRIFFITHS**, Clay Center, Kan.

**WONDER POLAND CHINA HERD** Headed by Model Wonder, assisted by a son of Blue Valley. Mated to as big sows as can be found. We offer spring gilts by first named boar and bred to the other one at reasonable prices. **O. B. STRAUSS**, Milford, Kan.

### HORSES AND MULES

Part from 2,400-pound imported sire and registered dams, my 2, 3 and 4-year old prove valuable breeders for you. With all their weight and bone they are dressy and straight sound. This is some of the most substantial and most attractive Percheron breeding material in the world. Farm-raised and offered at farmers prices. Fast direct trains from Kansas City and St. Joseph. **FRED CHANDLER**, Route 7, Chariton, Iowa.

**IMPORTED and HOME-BRED** Percheron and Belgian Stallions and Mares. Two-year-olds weighing from 1,850 to 1,950; older horses, 1,960 to 2,260. We have good herd headers at reasonable prices. Sold with certificates of soundness under Nebraska law. Guarantee and terms right. Come and see us. Seward is 26 miles west of Lincoln and 67 miles east of Grand Island. Farm adjoins city. **JOSEPH ROUSSELLE & SON**, Seward, Neb.

**JACKS AND JENNETS** 20 Large Mammoth Black Jacks for sale, ages from 2 to 6 years; large, heavy-boned, broken to mares and prompt servers. A few good jennets for sale. Come and see me. **PHIL WALKER**, Moline, Elk Co., Kansas.

**JACKS AND JENNETS.**—Six fine 3 and 4-year-old jacks and 17 mammoth black jennets for sale. Will sell worth the money. **JNO. A. EDWARDS**, Englewood, Kan.

**GUERNSEY CATTLE** **REGISTERED GUERNSEY BULL,** 16 months old; five grade Guernsey cows; one 2-year-old heifer fresh in summer, and 6-weeks-old Guernsey bull calf. All must sell in next 30 days. Write for prices and description. Closing out. **DR. E. G. L. HARBOUR**, Baldwin, Kansas.

**POLLED DURHAM CATTLE** **ROAN HERO 3613 - 229963** THE INTERNATIONAL CHAMPION heads my herd of Double Standard Polled Durhams. Few choice young bulls for sale. Mo. Pac. Railway 17 miles southeast of Topeka, Kansas. Farm adjoins town. Inspection invited. **D. C. VAN NICE**, Richland, Kansas

**POLLED DURHAMS FOR SALE** TEN HERD BULLS sired by Roan Choice, the junior champion of 1911. Prices reasonable. Come and see my herd. **C. J. WOODS, CHILES, KAN.**

**MULE FOOT HOGS** **GRAFF'S MULEFOOT HOGS.** Gilts, breeding age. Choice boars, winter pigs, either sex. Herd boar. Prices low. **ERNEST E. GRAFF**, Rosendale, Mo.

### HORSES AND MULES.

Part from 2,200-pound imported sire and registered Percheron stallions would. **FRED CHANDLER**, Route 7, Chariton, Iowa.

**RED POLLED CATTLE** **RED POLLED CATTLE** A few choice bulls, ready for service, priced reasonable. **I. W. POULTON**, Medora, Kan.

**RED POLLED CATTLE** For Sale—A choice lot of cows, bulls and heifers, all registered, with good quality. **AULD BROS.**, Frankfort, Kansas.

**COBURN HERD RED POLLED CATTLE AND PERCHERON HORSES** Twelve extra good young bulls. Some extra fine young stallions, among them first prize and champion of Topeka Fair. Also young cows and heifers. **GROENMILLER & SON**, Pomona, Kansas.

**20 RED POLL COWS** and heifers bred sired by the Arp milk-bred ton show bull, Naller Boy 17205. Prices right. **MORSE STOCK FARM**, Neosho, Missouri.

**RESER & WAGNER'S RED POLLS.** Richly bred herd headed by Waverly Monarch. Bulls of serviceable age all sold. Fresh cows and young bulls for sale in spring. **Reser & Wagner**, Bigelow, Kan.

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**M. E. MOORE & CO.** **CAMERON, MISSOURI.** **CHOICE BULL CALF,** born October 1, 1913. Fine individual, nicely marked. Dam, A. R. O., 236 pounds butter, 530 pounds milk, 7 days; sire, son of Pontiac Korndyke with 79 A. R. O. daughters.



SHORTHORN CATTLE

LOOKABAUGH'S SHORTHORNS. At private sale. Six or nine months' time if desired. Young heifers and bulls, \$100 and up. Two heifers and bull, not related, \$225 for the three. Others higher. High-class herd bulls close to imported Scotch dams, sired by such sires as Lavender Lord by Avondale. Nicely bred young heifers from milking strains. Young bulls, the farmer's kind. Cows with calf at foot and rebred. Great variety of prize-winning blood. If you want breeding stock, do not miss this opportunity. My foundation Shorthorns carry the blood of the best families and most noted sires of breed. Over 200 head from which to select. If you cannot come, write.

H. C. LOOKABAUGH, Watonga, Blain County, Oklahoma.

SHORTHORN CATTLE



Thirty-five Shorthorn Bulls

Sixteen months to two years old. Pure Scotch and Scotch topped. Sired by Star Goods and Victor Orange, two great bulls. These bulls are from my best cows. They are large and well developed and in good condition, fit to head good herds. Will sell one or a carload. Also a few cows and heifers—300 head in herd. Come and see them. Prices reasonable.

HENRY STUNKLE, Peck, Kansas.

Pearl Shorthorn Herd

Fifteen young bulls ranging in age from 8 to 13 months old. Red or roans of Scotch and Scotch-topped breeding. Herd located at Pearl, Dickinson County. Can ship over Missouri Pacific, U. P., Rock Island or Santa Fe. Address mail to Abilene, Kan.

C. W. TAYLOR Abilene, Kansas

CHOICE SHORTHORN BULLS

Only three left, by Good News and New Goods. A few good heifers. Prices reasonable. Write for descriptions and prices.

JOHN REGIER, Whitewater, Kansas.

SHORTHORNS FOR SALE.

Several good coming yearling bulls and a number of heifers of various ages, from the Crestmead herd, which numbers 100 head, all Scotch of popular families.

W. A. BETTERIDGE, Pilot Grove, Cooper County, Missouri.

CHOICE SHORTHORN BULLS

One red, 20 months old, well grown, straight and smooth, at \$125. One dark roan, 19 months old, very finely finished, well fleshed, large, attractive, at \$150.

G. A. LAUDE & SONS, Rose, Kansas.

CHOICE SHORTHORN BULLS AND HEIFERS

Large beefy-type Shorthorns, extra in quality; reds and roans, richly bred, blood of imported Collynie, imported Mariner and Captain Archer.

H. M. HILL, Lafontaine, Kansas.

RIVERSIDE SHORTHORNS.

Clipper Model 386430 by Orange Model 317228, out of Crestmead Cicely 2d, at head of herd. Herd cows representing the best Scotch families, Orange Blossoms, Butterflies and others.

H. H. HOLMES, Great Bend, Kansas.

BULLS FOR SALE

SIX SHORTHORN BULLS—Two 14 months old, red and roan; three coming 2-year-olds, reds; and one coming 3-year-old, red. These are good bulls. Price, \$80 to \$150 per head. In fine condition. These are bargains. Also have 50 registered Hereford bulls for sale.

SAM DRYBREAD, ELK CITY, KAN.

Short Horn Heifers

for sale. A few good ones bred. Price, \$125 each. Also large type Poland China September pigs, either sex \$20 each.

JEWELL BROS., Humboldt, Kansas

TENNEHOLM SHORTHORNS

Three good yearling bulls and a few heifers. Some of show yard quality. Prices reasonable. Write for further information.

E. S. MYERS, Chanute, Kansas.

HEREFORD CATTLE

HEREFORD BULLS FOR SALE.

Choice young registered Hereford bulls, sired by Dan Shadland 363260, out of Anxiety and Lord Wilton bred dams.

C. F. Behrent, Oronoque, Norton Co., Kan.

JERSEY CATTLE.

Bank's Farm Jerseys

Quality with milk and butter records. One of the best sons of CHAMPION FLYING FOX, imported, at head of herd. Stock for sale.

W. N. BANKS, Independence, Kan.

GREEN HILL JERSEY FARM

For Sale—Several young bulls up to 15 months old, sired by Viola's Majesty. Dams American and imported cows of choice breeding and individuality.

D. LEE SHAWHAN, Lees Summit, Mo.

REGISTER OF MERIT JERSEYS.

Offer a fine young cow in milk and bred to Oakland's Sultan for \$150. Also a granddaughter of Golden Fern's Lad bred to same bull, \$200. Choice heifers, \$100 up. Bulls from high-testing dams, \$50 to \$150, including a son of Gamboge Knight.

R. J. LINSFOTT, Holton, Kansas.

GREAT JERSEY BULL YEARLING Out of 45-pound cow, Golden Fern's Lad, Flying Fox and Silverine Lads breeding. He cannot be duplicated for price asked. Write for price and description.

D. A. KEAMER, Washington, Kansas.

JERSEY CATTLE

JERSEY BULLS

We are long on bulls, so are offering young bulls from our very best cows; some ready for light service; way under value; sired by Vesta's Knight, a son of Gamboge Knight; Golden Love's Son, a son of Sultana's Jersey Lad; G. Mella Ann's King, grandsons of Noble of Oaklands and Eminent's Raleigh.

\$50 AND UP

A few bred cows for sale; crated, registered and transferred.

GLENWELL'S FARM, Grandview, Mo.

FOR SALE—Five bulls, from two to eighteen months; solid light fawn, close up to Forfarshire and Blue Belle's Boy, half brother to Noble of Oaklands, the \$15,000 bull. Few young cows.

S. S. SMITH, Clay Center, Kansas.

BENFER JERSEY CATTLE.

Bull calves all solid except some very young ones. Offering three-year-old herd bull and yearling from imported cow; also few non-related cows.

E. L. M. BENFER, Leona, Kansas.

REGISTERED JERSEYS—OXFORD LAD, Eminent bull calf, \$20. Grand Fern Lad bidd, \$65. Choice cows, \$110 to \$125.

F. J. SCHERMAN, Route 8, Topeka, Kan.

AUCTIONEERS.

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Travel over the country and make big money. No other profession can be learned so quickly that will pay as big wages. Write today for big free catalog of Home Study Course, as well as the Actual Practice School, which opens Monday, Aug. 3, 1914.

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R. L. HARRIMAN

LIVE STOCK AUCTIONEER Bunceton, Missouri.



L. R. HAMILTON

Clarksdale, Mo. LIVE STOCK AUCTIONEER. GOOD REFERENCES.

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LIVE STOCK AND REAL ESTATE AUCTIONEER Wellington - Kansas.

W. C. CURPHEY Pure-Bred Stock and Big Farm Sales. Salina, Kansas.

COL. FLOYD CONDRAY Stockdale, Kansas. Guarantees his work.

Col. Frank Regan Live Stock and General Auctioneer. Esbon, Jewell County, Kansas.

Col. C. A. HAWK Live Stock and General Auctioneer. Effingham, Kansas.

L.R. BRADY Fine Stock Auctioneer. Ask those for whom I have sold. Manhattan, Kansas.

Col. Jesse Howell Live Stock and General Auctioneer. Up-to-date methods. Herkimer, Kan.

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COL. C. M. SCOTT Live Stock and General Auctioneer Hiawatha, Kansas.

COL. J. E. MARKLEY Fine Stock and General Auctioneer Powhattan, Kansas.

OHIO IMPROVED CHESTERS

Crystal Herd O. I. C's

Headed by Frost's Buster 29745 by Thea 30442. Some choice August boars by this great sire of prize winners. They are strictly high class and priced right. Also booking orders for February pigs by illustration and out of Frost's Buster dams. Get in early and get a prize winner.

DAN WILCOX, Cameron, Missouri.

FIELD NOTES

M. H. Roller & Son of Circleville, Kan., own one of the noted herds of Jacks and Jennets. This firm has Jacks and Jennets for sale at all times. Look up their card in the Jackson County Breeders' Association section and write them your wants.

FIELD NOTES

G. C. WHEELER Manager Live Stock Department.

FIELD MEN.

O. W. Devine.....Topeka, Kan. W. J. Cody.....Topeka, Kan.

PURE BRED STOCK SALES.

Percherons.

June 10—J. C. Robison, Towanda, Kan.

HOLSTEIN CATTLE.

June 10—J. C. Robison, Towanda, Kan.

Jersey Cattle.

June 25—Alvey Bros.' Dispersal Sale, Topeka State Fair Grounds. Sept. 22—H. C. Johns, Carthage, Mo.

Aug. 20—W. W. Otey & Sons, Winfield, Kan. Durocs.

Duroc Jerseys, Polands and Berkshires. Feb. 9-10—Agricultural College, Manhattan, Kan.

Poland Chinas.

Sept. 5—J. E. Willis, Prairie View, Kan. Sale at Downs, Kan.

Oct. 15—Fred G. Laptad, Lawrence, Kan.

Oct. 20—U. S. Byrne, Saxton, Mo.

Oct. 21—H. B. Walter, Effingham, Kan.

Oct. 22—H. C. Graner, Lancaster, Kan.

Oct. 28—Walter Hildwein, Fairview, Kan.

Oct. 28—George S. Hamaker, Pawnee City, Neb.

Nov. 4—E. M. Wayde, Burlington, Kan.

O. I. C's

Oct. 1—Alvey Bros., Meriden, Kan. Sale at Fair Grounds, Topeka, Kan.

Col. W. C. Curphey of Salina, Kan., makes a specialty of pure-bred live stock and big farm sales. Colonel Curphey has a long list of very successful sales to his credit. He knows how to get the full value of an offering and has a record for selling every offering for every dollar it is worth. Write him for open dates.

The Denning Motor Implement Company of Cedar Rapids, Iowa, has issued a very attractive booklet on the Denning Farm Tractors, giving some valuable information that should interest everyone on the farm. They have listed a number of special features and their tractors are constructed throughout of high grade material of great tensile strength so that the weight has been kept down so well that the minimum amount of power is required for running the machine itself, allowing most of the power developed by the motor to be used for the work being done. They claim that the ability of the machine is a revelation to most farmers, as the work is handled just as easily and quickly, and in fact, faster than work horses can do the same amount of work in the same length of time, so the machines are great time savers and make it possible to do farm work in less time. The book issued by the Denning Tractor is very interesting and it will be sent to you for the asking. Address the Denning Motor Implement Company of Cedar Rapids, Iowa, and mention Kansas Farmer.

Col. Jesse Howell of Herkimer, Kan., live stock and general auctioneer, is one of the live wires in the business. He has made a thorough study of the business of selling live stock at public auction and has proven a great success in that line. He has the reputation of making snappy sales and for getting the worth of the offering. Write him for dates.

M. E. Gideon of Emmett, Kan., a member of the Jackson County Breeders' Association, breeds high class Hereford cattle, Duroc hogs and Percheron horses. All of the pure-bred stock on Mr. Gideon's farm is the high quality kind. Look up his card in the Jackson County Breeders' Association section and write him if you want Herefords, Durocs or Percherons.

Breeders of pure-bred stock expecting to hold a fall or winter sale should get in touch with Col. Frank Regan, live stock and general auctioneer of Esbon, Kan. Colonel Regan is one of the very successful auctioneers now in the field and breeders will make no mistake in securing his services for pure-bred stock or general sales. Write him for open dates.

The attention of Duroc breeders who expect to add new blood in their herds this year, is called to the Duroc herd of J. R. Jackson of Kanapolis, Kan. Mr. Jackson has a great herd of sows, representing the best families of the breed. His herd is headed by Dreamland Col. one of the great Duroc boars now in service. Mr. Jackson breeds the kind that make herd improvers. Write him for prices and descriptions.

I. W. Poulton of Medora, Kan., is offering a few choice Red Polled bulls at reasonable prices. These bulls are ready for service; well bred and are the kind with quality. Write Mr. Poulton for prices and description. They are priced to sell.

George McAdam of Holton, Kan., the only member of the Jackson County Breeders' Association with a herd of Aberdeen-Angus cattle, has a very high class herd of that breed. His herd is headed by Black Duster, a bull of right type and a good breeder. He has a herd of as richly bred cows as can be found anywhere. Mr. McAdam is offering some choice cows, also some young bulls. Write for prices and description.

Col. C. A. Hawk, the live stock and general auctioneer of Effingham, Kan., will conduct sales anywhere. He has had the experience that makes a successful auctioneer, is a good judge of live stock and values, and breeders contemplating fall or winter sales should write him for open dates. His success in the past is a safe guarantee for the future.

The Selway Steel Post Company of Lincoln, Neb., are advertising the Selway Steel fence post and corner, in Kansas Farmer. The posts are made of open-hearth, non-rusting steel, that the company claims will last a life time. They are easily driven with a maul or sledge hammer, and will not pull up. The castings are of malleable iron and the anchor can be put in any kind of a corner or end post. The Selway Company claims that they have succeeded in perfecting a successful corner that can be put up in 25 minutes with a sledge hammer. They use the triangle system of bracing, which absolutely holds a post from sagging. The Selway Steel Post Company will be glad to send literature to any one who is interested and will send it for the asking, if you mention Kansas Farmer. Address The Selway Steel Post Company, Lincoln, Neb.

Joseph Roussell & Son of Seward, Neb., are Headquarters for Percheron and Belgian stallions and mares. They have an extra lot of two-year-olds, some herd headers and a choice lot of mares. They sell

BERKSHIRE HOGS



Special Offering

Sutton Farm

Berkshires

200 HEAD

40 Boars, 20 Bred Sows, 40 Open Sows, 90 Fall Pigs, All at Attractive Prices.

SUTTON FARM LAWRENCE KANSAS

WALNUT CREEK STOCK FARM.

Large English Berkshires

Special Offering. Choice bred sows and gilts for August and September farrow. Choice pigs sired by prize winning boars, either sex, 10 to 16 weeks old, non-related. Price, registered, crated, f. o. b. here, one, \$20; two, \$35; three, \$50.

H. E. CONROY, Nortonville, Kansas.

Bargains in Land

Book of 1,000 Farms, etc., everywhere, for exchange. Graham Bros., El Dorado, Ks.

Buy or Trade with us—Exchange book free Bersie Agency, Eldorado, Ks.

FOR JEFFERSON COUNTY or Northeast Kansas farms, any size, where alfalfa, bluegrass and corn are the staple crops, at from \$20 to \$100 per acre. Write or see The Harman Farm Agency, Valley Falls, Ks.

COLORADO STOCK, GRAIN AND ALFALFA ranch; 640 acres; improved; irrigated; abundance of water; close to railroad. Must raise money. Will sacrifice. Time on half.

J. W. PHARES, WaKeeney, Kansas.

WE SELL OR TRADE ANYTHING, ANYWHERE.

REALTY EXCHANGE CO., NEWTON, KAN.

ANDERSON COUNTY

KANSAS LAND

ANDERSON COUNTY, KANSAS LAND. If you want to buy a well improved farm in this county, priced so you can afford to own it, write me. I have what you want; from 80 to 640 acres in size. Also have some unimproved pasture land for sale. Liberal terms. W. L. WABE, Garnett, Kansas.

I WISH TO RETIRE

and am offering my fine grain and stock section in Sumner County at a low price. 280 acres, high state of cultivation, balance pasture; living water; place well improved and equipped for grain and stock business. Price, \$50 per acre, half cash, balance five years at 6%. No trades.

JOS. KOLARIK, Owner, Caldwell, Kansas.

FOR SALE OR TRADE.

240 Acres. If on the lookout for a land deal, write us about it. We have a lot of bargains for cash. Send for list.

KIRWAN LAND CO. West Plains, Howell County, Missouri.

ANY SIZED Arkansas farm, no rocks, hills or swamps, all tillable, general farming and fruit, \$1.50 per acre down, balance 20 years, 6 per cent. Crop failures unknown. E. T. Teter & Co., Little Rock, Ark.

WISCONSIN

Official publications concerning the soils, rainfall and crops of Wisconsin may be had free by writing Wisconsin State Board of Immigration, Madison, Wis. State Capitol 555.

FOR SALE—320 acres improved; in the famous Moran Valley, Allen County, Kansas; very low for cash or on easy terms; view of farm sent on application. Address owner, BOX 367, Iola, Kansas.

ARKANSAS

I have for sale, FERTILE ARKANSAS FARMS; small and large; improved and unimproved; slope and valley land; mountain and river bottom land; virgin timber land; no irrigation. For particulars write W. KNIGHT, Bigelow, Perry Co., Arkansas.

Sumner County

There is no other county in Kansas where you can buy the high class quality corn, wheat and alfalfa lands as cheap as you can in the old reliable Sumner. You ought to see the wheat, 30 to 50 bu. sure. Write for owner's price list of farms. No trades. WILLIAM HEMBROW, Caldwell, Kansas.

Look at This

New country; fertile soil; ample rainfall; cheap land; place for man of small means. Write SOUTHERN REALTY COMPANY, McAlester, Oklahoma.

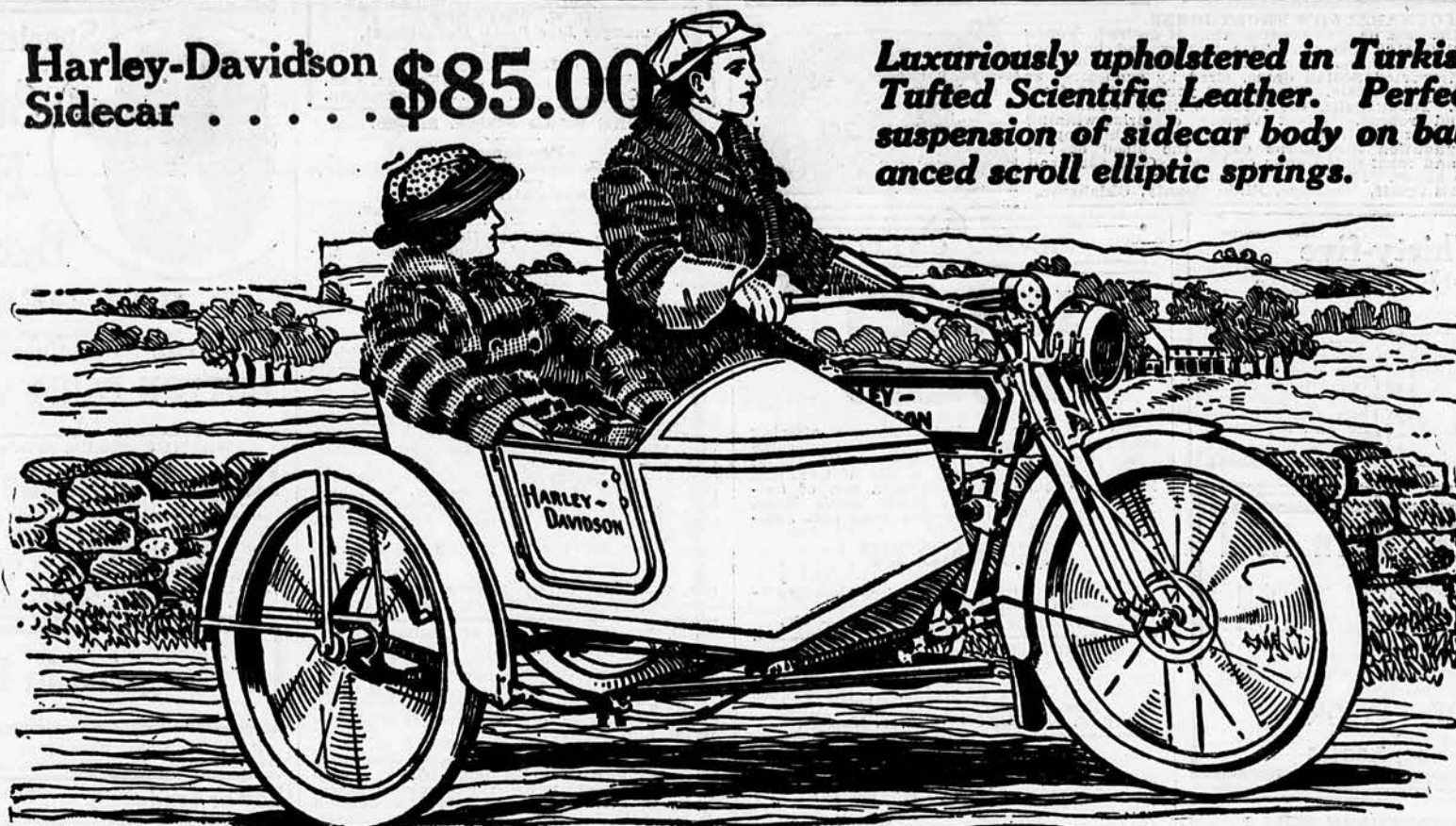
every animal with a certificate of soundness under the Nebraska law. Their guarantee and terms are right and their prices reasonable.

Attention is called to the change in Ennis Farm advertisement. They are now offering four extra good, old original big spotted boars for sale; also one gilt bred for last of May farrow, and a choice lot of spring pigs. He is also advertising some choice Jersey bred heifers and a number of choice young bulls through the columns of Kansas Farmer. Write him for prices.



Harley-Davidson  
Sidecar . . . . . \$85.00

*Luxuriously upholstered in Turkish Tufted Scientific Leather. Perfect suspension of sidecar body on balanced scroll elliptic springs.*



## Why the Two-Speed Harley-Davidson is the Ideal Machine for Sidecar Use

The two-speed Harley-Davidson is not simply adapted for sidecar use—it is **built** for it. Five features are extremely desirable on a motorcycle to render efficient service when used in connection with a sidecar—a satisfactory starter, a sturdy two-speed gear, double brake control, double clutch control, and a Ful-Floteing seat. The Harley-Davidson is the only motorcycle offering the advantages of these features.

### Step-Starter

With a sidecar it is decidedly awkward and almost impossible to lift the machine on to the stand for starting. With the Harley-Davidson Step-Starter this is unnecessary. A simple downward push on either pedal starts the motor.

### Two-Speed

The Harley-Davidson two-speed is the simplest, lightest and the most powerful two-speed on the market. Either speed can be engaged by the shifting of a convenient lever, whether the machine is standing still or in motion.

### Double Brake Control

With the sidecar the brake must necessarily be extra large in order to handle the double load. The Harley-Davidson auto type band brake may be operated by either foot or, in fact, by both feet if desired. The large Harley-Davidson brake carries a safety factor of more than 200% and is built large enough to stop an automobile.

Perfect control of any vehicle is essential to the safety of its occupants. We believe that the Harley-Davidson has the largest and most powerful brake of any self-propelled vehicle on the road.

### Double Clutch Control

The clutch on the Harley-Davidson is operated by hand lever or foot pedal at the option of the rider. It is not necessary to remove either hand from the handlebars in order to engage or release the clutch. This is a decided advantage in heavy sand or mud.

### Ful-Floteing Seat

For the third successive year, every Harley-Davidson incorporates the Ful-Floteing Seat. This patented device absorbs all jolts, jars and vibrations due to rough roads.

### More Harley-Davidson Dealers for 1914

Our main and south plants are working night and day. This double shift will enable us to add more dealers where we are not already represented. We have no openings, however, for "rider agents" or "curbstone" brokers. If interested in dealer proposition write for booklet, "Dealers Who Have Made Good."

*The many desirable features of the 1914 Harley-Davidson are described in our new catalog, a copy of which will be mailed on request*

# HARLEY-DAVIDSON MOTOR COMPANY

*Producers of High Grade Motorcycles For More Than Twelve Years*

996 A Street

Milwaukee, Wis.