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# KANSAS FARMER

For the improvement  of the Farm and Home

Volume 51, Number 39. TOPEKA, KANSAS, SEPTEMBER 27, 1913. Established 1863. \$1 a Year

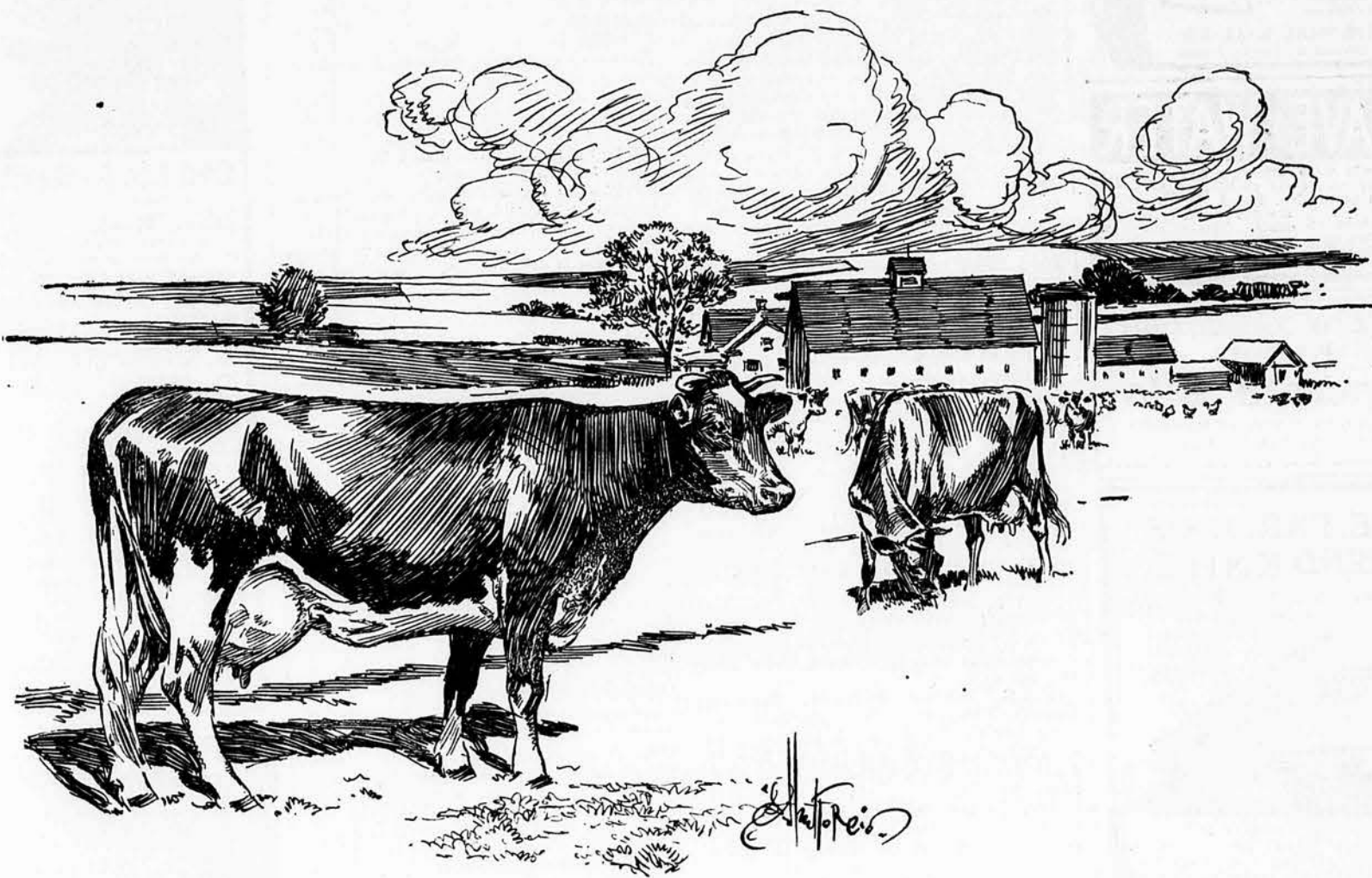


**D**IVERSITY baffles Adversity. Wise and discreet is the farmer who makes it his choice and his method, the motto and shield of his clan. It is the breastplate and hemlet, the bright and invincible armor, fashioned in Destiny's forge by the Infinite Purpose and Plan.

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Are we prepared when the years, famished and gaunt and voracious, threaten with teeth and with claws the farmers and men of the shops? How shall we make her to yield, our earth mother kindly and gracious? Management, system and care, and above all diversified crops.

—“Brad”



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 The Farmer's Friend Knife is made  
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**KANSAS FARMER,**  
**Topeka, Kan.**

**Feed and Stock Wintering**

*List of Farmers Having Feed to  
 Sell or Who Can Winter Stock*

**T**HIS material is taken from a circular issued last week by KANSAS FARMER and sent to all parties who had written us regarding feed. When we set out to bring feed and feeder together we thought the matter could be handled by correspondence, but the job became too big for that method of handling. The circular containing this and other information has been mailed to all inquirers, but the information here given may be of value to others than those whom we have served directly.

**Farmers Having Feed For Sale.**

Here is a list of farmers who have various kinds of feed for sale. Much of this feed cannot be shipped in its present condition. Unless fodder is very heavy it can be successfully baled and so shipped. On the other hand the live stock owner may be able to buy with the privilege of feeding on the farm. This is not a time to quibble over small points—it is a matter of feeding the stock—here is the feed. It is to be noted too, that much more feed than that here listed can be bought in the respective communities. Tell your neighbors who may not get this circular, about the possibilities.

G. F. Loughmiller, Mayetta, Jackson County, Kan.—Has 200 acres of corn shock, in Big Soldier Creek bottom, 10 miles west of Mayetta; it is good, big fodder and perhaps about 3 to 7 bushels of corn to the acre; it is cut and bound—about 15 shocks to the acre. Buyer would have privilege of feeding in heavy timber on the farm and could have until May 1 to get it off the ground. Good water. Also has 40 tons of prairie hay, and 100 tons wheat straw can be bought within two miles of the place. Could handle 250 or 300 head of cattle after October 1.

John Taggart, care Taggart Realty Co., Redondo Beach, Calif.—Has 53 tons of baled prairie hay in barn at White City, Morris County, Kan. (No doubt Mr. Taggart has an agent in White City.)

James F. Darrah, Route 1, Marquette, McPherson County, Kan.—Has 60 or more tons of alfalfa, 250 shocks fodder, some straw; more straw could be gotten handy. Has exceptionally good feed lot and no end of good water. Is two miles from Missouri Pacific, Fremont; 7 miles from U. P., Johnstown; 11 miles from A. T. & S. F., Conway.

C. N. Reed, Route 4, Overbrook, Osage County, Kan.—Has prairie hay of this year's crop and last year's for sale.

P. J. Reedy, Route 2, Wamego, Pottawatomie County, Kan.—Has 20 tons good baled prairie hay for sale at \$15 per ton on cars at Wamego.

C. R. Ingraham, Route 4, Manhattan, Riley County, Kan.—Has 130 tons excellent green colored alfalfa hay; five tons prairie hay; about 25 or 30 acres of shock corn—good, big shocks and some corn in it; one silo, 14x40 full of corn silage—about 120 tons; one lot of kafir not cut yet—about five acres; plenty of good water and timber shelter; will furnish team and feed wagon free for team's feed. This feed is on Blue River bottom land and is first class; plenty more can be bought reasonably from adjoining farms. Located two and one-half miles north of Manhattan, Kan.

J. W. Selover, Route 1, Topeka, Shawnee County, Kan.—Has 300 shocks of corn fodder for sale at 75 cents per shock; later will have some kafir fodder for sale.

G. G. Aikins, Richland, Shawnee County, Kan.—Has four carloads of good prairie hay; will bale and load on cars at prevailing price for hay of same grade; shipping point is on Missouri Pacific.

Geo. Tucker, Route 2, Colby, Thomas County, Kan.—Has 40 acres good cane roughage. Would be willing to trade for a good cow.

C. H. Price, Weskan, Wallace County, Kan.—He says a great deal of stock is being shipped into the county for wintering; prospects good for rough feed.

J. T. Van Petten, Washington, Washington County, Kan.—Has several tons loose prairie hay, put up early, which he will sell at \$11 per 8-foot square or will sell by weight; alfalfa, \$15.

Roy E. Massey, Vernon, Woodson County, Kan.—Has about 25 tons No. 2 prairie hay for sale; will send sample to interested parties.

W. L. McClure, Route 2, Kaw City,

Kay County, Okla.—Says there is a great deal of corn fodder that can be bought there and wants to be put in touch with parties needing feed.

**Farmers Want Live Stock for Wintering.**

This is a list of farmers who have feed and will winter cattle and horses. It looks like here were good opportunities for the accommodation of a lot of farmers who are short of feed. Get in correspondence with these parties—they may be able to render the service you need. Correspondence will open up new possibilities.

Louis D. Waters, Bird City, Cheyenne County, Kan.—Would like to have 50 to 100 head of cattle or horses to winter; has plenty of straw, buffalo grass and corn fodder.

Earl Russell, Bird City, Cheyenne County, Kan.—Has 130 acres corn; will fill two silos; also has straw from 150 acres barley; has only five cows and no money to buy more. Would like stock to feed this feed. Will feed on shares or make contract to suit both parties.

G. F. Loughmiller, Mayetta, Jackson County, Kan.—Could handle 250 or 300 head of cattle after October 1, in case he does not succeed in selling his feed.

Joseph Miller, Ramona, Marion County, Kan.—Would like to buy some yearling steers at the right price. Has quite a lot of rough feed.

G. H. Dunn, Plains, Meade County, Kan.—This man says a number of farmers in his community have pasture and feed and who will be able to handle from 300 to 500 head of horses or cattle on reasonable terms.

Geo. E. Wood, Athol, Smith County, Kan.—Has 300 acres pasture that has been empty for two years on which grass is fine; can also cut 50 to 75 tons hay. Would like to rent to some stock man for coming year, selling present crop and giving possession at once, or would look after stock for him; is not able to buy stock but would trade \$2,500 town property for sheep or stock of some kind. Would be glad to care for and milk 10 to 20 cows if someone will furnish them.

M. D. Davis, Weskan, Wallace County, Kan.—Has 640 acres grass land, fenced and only five head of stock running in it; will have about 30 acres of corn standing in the field. Could easily care for a carload of horses; grass is good and water plentiful—well and spring. Horses do well on buffalo grass all winter. Does not have necessary sheds for cattle. Has had experience in caring for stock of all kinds.

C. D. Warren, Arapahoe, Arapahoe County, Colo.—Has 40 to 50 tons of feed—corn, kafir, milo, and a little cane; also the straw from 32 acres in wheat; barley, wheat, flax and Hersh grass. Has good range, plenty of grass and water; three and one-half miles to depot at Arapahoe. Would like to rent cows for one, two, or three years, as he has feed and no money to buy cows. (He adds that old feed in the stack is selling for \$6 not delivered; new feed at \$7 in the shock.) This man is open to sell feed or winter stock if he cannot get the cows to keep on a share basis.

W. D. Haines, Manhattan, Kan.—Has silage and rough feed enough to winter 200 head of cattle and will furnish feeding accommodations.

D. H. Otis, a former Kansan now at Madison, Wis., writes: "W. C. Noe, who has a large farm near Madison, informs me that he can winter at least two car loads of stock, and he asked me if I knew where he could get in touch with someone who might like to avail themselves of a chance to get their stock fed for winter. I can personally vouch for the integrity of Mr. Noe and know that stock entrusted to him will be well cared for."

**Want Live Stock Wintered.**

Here are two farmers who want their stock wintered. Write these parties. They may have neighbors who need the same accommodations.

M. A. Kelly, Bucyrus, Miami County, Kan.—Would like to have one or two carloads of registered Herefords wintered and cared for from now until April and maintained in good flesh.

Leonard Wingfield, Route 2, Dwight, Morris County, Kan.—Wants location to winter cattle.



**WHEN PLOWING** you're protected from sudden weather changes by Stephenson Underwear—Unions and Two-Piece—and you're comfortable. There isn't a scratch in any Stephenson garment. The wife will like it too; it wears well and saves heaps of mending, and washing makes it stay like new.

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**STEPHENSON**  
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No. 105—Natural gray; flat web, made of Wad and Strict, Good Middling Cotton; cut large and full and is built for wear; button holes reinforced; suspender tapes are double thickness of cotton and double stitched; waistband is self-lined—that is, there is a double thickness of wool fabric covering the vital organs instead of domet or some other cheaper facing; a strong muslin stay is inserted in drawer waistband to preserve the size. Drawers are gored at back to give shape, and sag at the waistband, with ample seat room. Leg full cut; properly shaped cuffs both on sleeves and legs; the shirts are full length and are looped seamless at the shoulders. Drawers and Shirts ..... Each, \$1

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**1 1/2 to 40 H.P.**



**Cost Less!—Worth More!**

Here's my new offer, direct from my factory to power users everywhere. No dealer's profits. Think of it! The highest standard engines for the lowest prices. Nobody else has these two things to offer together.

**DEPENDABLE POWER**  
 From Gasoline, Gas or Oil

WITTE engines have set the quality standard for 25 years. Better today than ever. 1 1/2 to 40 H. P. stationary and portable sizes. All have detachable cylinders, vertical valves, four ring pistons, electric ignition and other exclusive merits, without which no engine can now be high-grade.

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**How To Judge Engines**

My new book shows the secrets. All made plain as A. B. C. It gives my 5-year guarantee and 60-day free trial plan. Tells you how to be safe in your engine selection, even if you don't pick a WITTE. It took me 26 years to write it, but you can get it quick—just send me your name—no money—and it will come by return mail.

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In House and Barn at even temperature Winter or Summer at Small Cost.



Send Postal for New Water Supply Plan. It will bring you 100 pictures of it in actual use. Do it Now.  
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250 to 300 bushels of fine alfalfa seed coming from best alfalfa fields in Kansas. F. O. B. cars in sacks, Elgin, Kan., \$8.00 per bushel.

H. T. WALKER, ELGIN, KAN.

**Young Man—Would You Accept**  
 and wear a fine tailored suit just for showing to your friends? Or a silpon raincoat free? (Perchance you use \$5 a day for a little spare time!) Then we can give you a steady job at good pay. They write us at once and get beautiful samples, styles and an offer so good that you can hardly believe it.

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30 cents per agate line—14 lines to the inch. No medical or questionably worded advertising accepted. Last forms are closed Monday noon. Changes in advertising copy and stop orders must be received by Thursday noon of the week preceding date of publication.



# 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—504 Advertising Building, Geo. W. Herbert, Inc., Manager.  
NEW YORK OFFICE—41 Park Row, Wallace C. Richardson, Inc., Manager.

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### OUR GUARANTEE

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.



### POND FOR EVERY FARM.

Kansas is to have a pond week. The idea was suggested by Governor Hodges. He thinks of setting the dates for early in November. A pond for every farm is the idea around which the weeks' activity will center.

Every Kansas county surveyor is going to have a part in the pond building week. Governor Hodges has been studying the plans for the pond building and getting the state's engineers busy in working out details. He found an old law that requires the counties to furnish the services of the engineers free of charge when a farmer wants to build a pond to store the storm waters. The law makes a specific requirement that whenever any Kansas farmer wants to build a reservoir or a dam to store the surplus rain and snow water that the county engineer must make the necessary surveys and furnish the detailed plans and specifications for doing the work. That must be done at county expense.

The Kansas Legislature has made many enactments to encourage the building of ponds and reservoirs for storing the rain and snow water that goes to waste every year. In 1911 it passed a law that \$100 is to be taken from the assessed value of all farm lands containing storm water reservoirs which hold water not less than would cover one acre of level ground one foot deep. If the pond held four acre-feet of water the reduction of the assessed value was to be \$200 for each pond, if the dam was of earth, and \$300 if of stone, concrete or brick.

The governor will have about fifty highway and drainage engineers from the Agricultural College and University at work helping the farmers build ponds to store the surplus water.

### COLLEGE MARKETING.

Through lack of the necessary money, President Waters has not been able to establish the full-fledged bureau promised in connection with the numerous other useful departments of the Kansas Agricultural College. However, the demands and the needs for marketing aids have so pressed themselves upon the institution that Dean Miller of the Extension Division is doing everything his time will permit in finding buyers and sellers of feed, grain, hay, and potatoes. He has put a number of farmers without feed in communication with others who have feed to sell and makes no charge for this help.

George O. Greene, extension horticulturist, is again preparing to act as a clearing house this fall for Kansas-grown apples. Growers who have a few bushels or a carload should send in their names to the bureau now, giving the names of the varieties for sale, and telling whether the apples were sprayed or not. Merchants and produce dealers also are urged to use the apple bureau.

These men are doing the best they can under the conditions under which they are compelled to work. They have already accomplished much, but the extent of the good they can and will do is governed by the use made of them. You can help yourself and others by calling on either of these gentlemen for what you need.

### CHINCH BUG DAY.

Let's make it a big day—an important day in the history of Kansas—that day designated for discussion by farmers' institutes of ways and means for an organized fight on the chinch bug. October 11 is the day. That date has been chosen by the State Farmers' Institute officers for chinch bug meetings in all the counties of Kansas east of a line running north and south across the state on the western boundary of Ellis County. The section east of this line suffered great damage from chinch bugs this season—some farmers claiming that the bugs did more damage than dry weather.

In KANSAS FARMER this week is re-

## Kansas Farmer Seed Wheat Club

TO supply seed to those farmers of Kansas counties short of seed is the object of Kansas Farmer's Seed Wheat Club. This club is organized with the following trustees, which board is responsible for the receiving of and the loaning of funds:

Governor Hodges, Chief Executive of Kansas.  
Ex-Governor Bailey, Banker and Farmer, Atchison, Kansas.  
C. M. Sawyer, Bank Commissioner of Kansas.  
H. D. Lee, Wholesale Merchant, Salina, Kansas.  
T. A. Borman, Editor of Kansas Farmer.

The treasurer of the board is Bank Commissioner Sawyer, to whom all moneys, checks and money orders should be sent, and to whom all bankable paper should be made payable.

Subscriptions are solicited from Kansans only—farmer, banker, merchant, clerk and laborer. Any man may join the club by loaning any amount he feels able. The local banker in your town will receive your money and receipt you for it.

The fund created by these subscriptions will be used in buying the best seed wheat obtainable. George B. Ross, State Grain Inspector, will buy the seed and look after its shipment to the county commissioners of the county in which the wheat is to be distributed.

A note bearing 8 per cent interest and due August 1, 1914, for the value of the seed obtained will be taken from each farmer getting wheat. When the notes are paid, and the business of the club is closed a year hence, each subscriber will be refunded his pro rata of the fund in hand.

In brief this is the plan of the Kansas Farmer Seed Wheat Club—which club has the endorsement of Kansans generally.

Be it understood that the counties of Trego, Gove, Logan, Wallace, Sherman, Graham, Ness, Lane, Scott, Wichita, and one-half of Thomas and Sheridan need seed wheat. This is a small proportion of the 105 counties of Kansas, and it will be only a little friendly act, well deserved, for the remaining 96 counties to supply the seed needed.

In 1911 these counties seeded 821,000 acres. In 1912 these counties planted 516,000 acres of corn. Since little plowing has been done this fall on account of the dry weather, Kansas Farmer believes that the ground planted to corn offers the best chance for wheat and it is safe to figure on an acreage equal to the corn acreage—this acreage should be provided with seed and sown at the earliest possible date.

The ground of these counties is now in favorable condition for seeding—made so by the recent rains. Farmers are anxious to get to wheat seeding—the earlier the seeding the better—hence the need for prompt action in sending in your money.

Farmers of these counties do not desire donations. Their wishes and feelings have been respected in taking their notes at the prevailing rates of interest for small loans. That is the reason the club will take farmers' notes for the value of the seed wheat.

Kansas Farmer presents these facts and makes this appeal to its readers to join this Kansas Farmer Seed Wheat Club—each sending such money as he can afford to loan. The farmer, his wife, boy or girl, or the hired man will each be a welcome member.

The wheat failure last year hit the farmers of these counties particularly hard. A wheat crop is his best chance for quick money. The present prospect for a crop is at this time particularly favorable. It is the duty of the 96 counties of Kansas to seed the ten counties needing seed.

Will you help?

Kansas Farmer has put in motion the machinery necessary to supply this seed and properly distribute the same.

Whether or not the farmers of these few counties are able to sow wheat this fall depends upon you, your neighbors, Kansas Farmer and its friends. This is a call to Kansans—a call to 96 counties from only nine of the number which make Kansas the grand state it is.

Let every loyal Kansan do his duty.

Use the coupon below for making remittances to C. M. Sawyer, Treasurer, Topeka, Kansas.

## T. A. Borman, Editor Kansas Farmer

### BLANK FOR SEED WHEAT LOAN.

C. M. SAWYER, Treasurer,  
Kansas Farmer Seed Wheat Club,  
Topeka, Kansas.

Enclosed is my check or postal money order for \$-----  
which is the amount of my loan to the Kansas Farmer Seed Wheat Club.

My name is -----

My Postoffice address is -----, Kansas.

produced an illustrated circular distributed by the Kansas Agricultural College. This circular has facts with reference to the habits of the bug, where he takes up winter quarters, how he is destroyed by burning, how the townships and counties must be organized to accomplish the best results, etc. Read the article carefully and determine to do your share.

You may not be a member of the farmers' institute in your locality. If not, October 11 will be a good day on which to join. Whether a member or not, attend this meeting—if anything is done in your section to kill off the chinch bugs, the plans will be made on this date. Do not let the day go without having done all you can to help along a worthy cause.

### LESSON ON FEEDS.

It is just as important that feed be grown to advantage as it is that it be bought at the lowest possible figure on the market. If you have \$100 to expend in the purchase of feed, you are most likely to spend considerable time determining just what kind of feed to buy—the kind that will make the thing you desire to produce. This applies particularly to the purchase of bran, cottonseed and linseed meal and other mill products.

Now, if you are producing feed on the farm, as every farmer is, why should you not inquire as carefully into the quality of feed you are likely to grow as if you were going to buy such feed? You know that there is a difference in feeds. For instance, alfalfa hay is better feed for all purposes for all kinds of farm stock, than is cane. Your investment in the feed crop is the labor of yourself, teams, help, and the wear and tear on machinery, the interest on the investment in land and taxes. Consequently, there is an actual investment in every pound of feed grown.

The best returns on this investment are not secured unless the best feed is grown. Those elements which enter into the feed crop and help in determining what is best, are those elements most needed in producing the kind of live stock grown on the farm. If hogs are to be fed and fattened, then the feed is that of pasture, and for such pasture leguminous crops are superior to any other because the protein of such crops is needed to grow a large frame on which to later place meat. Following the alfalfa pasture, then, should be corn or kafir—rich in carbohydrates and those elements which produce fat, along with the necessary protein feeds to provide a balanced ration. The labor expended in the growing of such feeds for the specific purpose will then give the largest return for the investment.

If you are milking cows you understand that it requires certain combinations of feeds to produce an abundant milk flow. It is reasonable, then, that your time and labor be expended in the growing of those feeds. To devote this time and labor to feeds not adapted to the production of milk would be equivalent to going onto the market and buying feeds which would produce fat only when you needed feeds that would produce milk and consequently such as would be high in protein. You would scoff at the idea of buying feeds not adapted to the purpose for which they are to be used.

The facts are, however, that on hundreds of farms—not only throughout Kansas but throughout other states—farmers are investing, by virtue of their labor and other expenses in the growth of feed, in feed crops such as are not adapted to the use they will make of them. It is for this reason that we should understand the fundamentals of feeding and grow on our farms such feeds as will produce the results we ultimately expect.

We note that county fairs are still offering premiums on "one-fourth bushel" of kafir and milo. This is a suggestion that they treat sorghums as they do corn, viz: call for the display in the head. It is just as logical to show ten heads of kafir and milo as ten ears of corn. In fact kafir and milo can be judged in the head only, just as corn can be judged in the ear only. The big fairs have the last few years recognized this. Let the smaller fairs take notice.

We are inclined to the belief that Kansas farmers are doubtful of the value of seed wheat of pure strains when we recall that the Agronomy Department of the Kansas Agricultural College has yet 200 bushels of choice seed unsold. This quality of seed should not go begging for buyers. Maybe it would help if the department would advertise just a little.



# BURN THE CHINCH BUGS

*It is High Time That You Plan an Organization For Destruction of Bugs*



FIG. 3—THE TYPE OF BURNING THAT KILLS FEW BUGS—NOT CLOSE ENOUGH.— (AFTER HEADLEE.)



FIG. 1—BUNCH GRASS, THE WINTER HOME OF THE CHINCH BUG. BURN IT.— (AFTER HEADLEE.)



FIG. 4—THE TYPE OF BURNING THAT KILLS PRACTICALLY 100 PER CENT OF THE BUGS.— (AFTER HEADLEE.)

**H**ERE is a summary of the whole situation regarding the damage done by chinch bugs, where the bugs are found, effectiveness of destruction by burning, when, how, and what to burn. It is up to you and the people of your neighborhood to determine whether or not you will destroy 985 of every 1,000 bugs. Read carefully, reflect and act.

1. During the spring and summer of 1913 it cost the farmers of the entire eastern half of Kansas an enormous sum in the aggregate to feed the chinch bugs.

2. Wherever the bugs have done serious damage, 98 per cent of them will be found in the fall in the bunch grass and bluestem in meadows, pastures, ravines, and along roadsides—BURN THESE PLACES.

3. After four years of careful experiments it has been found that November and early December is the best time to burn the winter quarters of the chinch bug.

4. Careful experiments show that fire supplemented by winter kills 985 out of every 1,000 bugs.

5. Experiments show that the mortality of bugs from late winter and spring burning is much less than that from fall burning. See tables showing the relative difference between fall and late winter burning.

6. By actual counts and careful estimates it has been found that a roadside one-half mile long covered with bunch grass and bluestem harbored 3,520,000 bugs. Fall burning means the destruction of 3,484,800 of them.

7. Burning does not materially injure meadows or pastures.

8. To be most effective and to get the best results, co-operative fall burning is necessary.

9. It is, therefore, imperative for the farmer to find out whether his grasses are harboring a dangerous number of bugs, and if they are found to do so, he should burn all of the bug-infested grasses without delay and get his neighbors to follow his example.

10. The destruction of chinch-bug cover in a badly infested area of seventeen and one-half square miles during November and December of 1910 gave good results in crops the following summer, effecting in the seventeen and one-half square miles a saving of \$7,000 on wheat alone, and freeing corn from the usual harvest-time injury.

11. Neglect to destroy these bugs, and with winter, spring and summer favorable to them, wheat, corn, cane and kafir will suffer most severely next year.

#### WHERE THE CHINCH BUG MAKES ITS WINTER QUARTERS.

In fifty-eight counties of Kansas, representing more than the entire eastern half of the state, the farmers have suffered in the aggregate an enormous loss from the ravages of the chinch bug. In the regions in which during the spring and summer the bugs did noticeable damage, the chinch bugs will be found in the fall congregated in the bunch grasses, which grow along the roadsides, in the meadows, pastures, ravines and waste places. While the large majority of these bugs will go into winter quarters in clump-forming grasses and bluestem growing along roadsides and fences, in pastures and meadows adjacent to, infested corn, sorghum, kafir, milo, etc., in some cases

By GEO. A. DEAN and J. W. McCULLOUGH

several may be found hibernating in bunches of grass removed by considerable distances from the infested fields. It is, therefore, imperative for the farmer to find out whether his grasses are harboring a dangerous number of bugs. This can be determined by parting the bunch grass and carefully examining the mulch of soil and decayed grass which usually gathers at the base of the stems. (Fig 1.)

#### HOW TO KILL THE BUGS.

Experiments covering four years show conclusively that the late fall and early winter is the time to fight the chinch bug. At this season, or during November and early December, they are congregated in the grasses which grow along the roadsides and fences, in pastures, meadows, ravines and waste places, and since it is an easy matter for each farmer to burn these off, it should be done just as soon as conditions will permit of good burning. In the greater part of the infested area this year the per cent of grass land on the farm is small, and every farmer can clean up his place in a day's time, and the cost is practically nothing.

The great advantage of early winter burning is that the farmer protects both his wheat and corn. Late fall and early winter destruction has been thoroughly demonstrated and found successful where it has been co-operatively carried on over areas three miles square or more. In fact, the only essentials to make burning successful are co-operation and thorough work; that is, firing the infested clumps in such manner as to make them burn close to the crown. (Figs. 3 and 4.) The only places that need to be burned over are those which contain growth of clump-forming grass-

es. Although a few bugs are found behind the corn blades and in the trash in a stubble field, corn-stalk and wheat stubble land do not need to be burned over, for the few bugs that are there will die before spring.

#### CO-OPERATION FOR THOROUGH AND SYSTEMATIC BURNING.

Inasmuch as co-operative and thorough work are very essential in order to make the burning successful, every county infested with the chinch bugs should organize for a complete destruction of the winter quarters of the chinch bug. If the organization is made a county affair, supported and encouraged not only by the county commissioners and the other county officers, but by every township official, the result naturally will be far more effective than if the work is taken up only locally. Every local organization, such as the Farmer's Grange, the Farmers' Institute, the Farmers' Union, the Anti-Horse Thief Association, etc., should lend its support and help in making the work effective. The several county and district farm demonstration agents, the extension department men, and the field agents of the Kansas Agricultural College will help in every possible way in organizing for the work.

The Department of Entomology of the Kansas Agricultural College, through its field agents, together with the county and district demonstration agents, will keep in close touch with the chinch-bug situation, and just as soon as the bugs are in their winter quarters and the proper time has arrived for effective burning, will notify the proper officials of the various organizations and will assist in every possible way to get the work done at the right time.

**T**HE article on this page is important. Do not dismiss it with the thought that a campaign against the chinch bug would undoubtedly be a good thing but "it's too much bother." Whether or not the chinch bug in your neighborhood is eradicated is up to you and your neighbors. Together you can save your crops and so make farming a good deal more profitable.

To burn thoroughly this fall, and each succeeding fall for a few years, will effect a cleaning up of the fields worth several hundred dollars each year to each farmer.

Necessarily this must be a county-wide and state-wide campaign and each farmer must do his share. Do not pull back; put your shoulder to the wheel and push hard.

The material on this page is from a bulletin by the Entomology Department of the Kansas Agricultural College. Your own good, hired men worked out this chinch bug information for your use. Will you capitalize their efforts?

#### AVERAGE WINTER MORTALITY IN DIFFERENT TYPES OF COVER.

This table names the common coverings sought by the chinch bug for his winter protection and the number of bugs which perish under normal winter conditions.

Bunch Grass—As many as 3,000 to 5,000 bugs per clump, with an average of about 1,000.....	15-40
Big Bluestem—About one-half as many bugs as in the bunch grass.....	15-40
Corn Husks and Stalks—Very few bugs.....	90-100
Dry Pieces of Manure—Three to fifty bugs per piece.....	95-98
Osage Orange—Few bugs.....	95-99
Osage Orange Tree Bark—Few bugs.....	90-100
Rubbish, Leaves, Etc.—Few bugs.....	90-100
Turnips—Five to fifty bugs in each plant.....	90-100

#### Protection to Breeders of Live Stock.

Since January 1, 1911, the Department of Agriculture has been safeguarding the interests of breeders of purebred horses in the United States in such a manner that there is no longer any excuse for the purchase of a stallion or mare as an imported one which is not actually imported.

The foreign (including Canadian) certificates for horses of the various recognized breeds imported for breeding purposes are submitted by imports to the Bureau of Animal Industry. The pedigrees are verified from the stud-books, and the description of the animal on the pedigree certificate compared with that reported by the bureau's inspector at the port of entry. If descriptions and pedigrees check up properly, the pedigree certificates are stamped in red ink. This stamp carries the statement that a certificate has been issued by the Bureau of Animal Industry, the date of issue of such certificate, and the department's serial number for the particular breed. These bureau certificates give customs officers the data on which animals are passed free of duty under the provisions of the tariff act.

Farmers and breeders are cautioned not to purchase or accept any stallion or mare claimed to have been imported since January 1, 1911, unless the foreign pedigree certificate for the animal offered for sale is stamped as above described. If the certificate does not bear this stamp, either the pedigree is not correct, or the description fails to agree with the animal, or the animal was not imported since January 1, 1911.

This same procedure is followed in the case of cattle, sheep, and hogs, although in some instances, notably in the case of sheep, a number of importers have preferred to pay the duty, which is comparatively small, rather than take the trouble to get certificates of pure breeding from the department.

Just as soon as farmers begin to run their poultry business on the same lines and with the same care as they do their modern dairies, using the best stock and breeding carefully, they will find it greatly to their advantage, and with their facilities, which are so much better than those of the town people, they can easily outstrip all competitors and get much larger returns for their time and money than they are now receiving.



# UPLAND SOILS IN ALFALFA

*Preparing Upland Soils of Southeastern Kansas for Successful Alfalfa Growing*

By H. J. BOWERS, Demonstration Agent, Parsons, Kan.

**A**LFAFA grows well on all well drained soils formed by stream or flooded deposits. So adaptable are the river bottom soils and the soils along the streams at the foothills for the alfalfa plant, that the farmers have generally accepted the idea that alfalfa is only adapted to these soils. The bottom soils are fairly well supplied with organic matter, in most instances are well supplied with lime, are generally well inoculated with bacteria which store nitrogen into the soils and in addition have a relatively large amount of nitrogen already present. The soils are also well drained where the alfalfa crop yields bountifully. The Fall River valley is quite well noted for its splendid fields of alfalfa. The lime that is washed from the rocks on the Flint Hills and surrounding territory upon the bottom land is given much credit by the growers for their success with alfalfa.

#### ADAPTING UPLAND SOILS.

The upland soils are shallow, slightly or very acid, have a low organic matter content, and not inoculated with the bacterial organisms which are absolutely essential for the success of the alfalfa plant. Some few farmers, after several attempts to grow alfalfa by heavily applying manure upon the land before seeding, and in case of failure, repeating the same, have been fairly successful. Such success, however, is on soils of limestone formation. Failures oftentimes are due to weeds, the weed seed either already being in the soil or being applied with the manure. In most cases, however, a good stand of alfalfa is secured, but the plants soon turn yellow and die. Such failure usually is due to the acids in the soil and the lack of inoculation.

In starting a field of alfalfa on the upland soils the conditions must be as similar to the bottom lands as it is practicable to make them by applying lime and organic matter. In selecting a field for alfalfa care should be exercised to select a well drained field.

#### TEST FOR DETERMINING ACIDITY.

The litmus paper test should be made to determine if the soil is acid, if this has not already been determined by failure to grow clover or alfalfa. The

litmus paper test is made by inserting a small strip of blue litmus paper into moist soil and leaving in contact for about twenty minutes. This should be done in several places in the field. If the soil is acid the litmus paper will turn to a red or pink color. Where such indications of soil acidity are shown, about two tons of ground limestone should be applied per acre. The limestone can be applied and disked in either before or after plowing; preferably after the field is plowed. It takes about a year for the ground limestone

to have action in correcting the acidity of the soil.

#### ONE OR TWO YEAR'S PREPARATION.

At least one or two year's preparation should be given a well drained field before any attempt is made to seed alfalfa. After the lime is added, the next step is to get the necessary organic matter incorporated into the soil and to improve the sub-soil by growing a deep-rooted crop. The best and most common practice of adding organic matter is to spread barnyard manure on the land. The manure should be ap-

plied to some inter-tilled crop and not directly to the soil, just before seeding the alfalfa. The weed seeds so common in manure either smother the plants the first year or stunt them so that they are easily killed by adverse weather conditions. Freshly applied manure does not help to hold soil moisture, and the organic matter not being so well mixed into the soil and not having become a part of it, is less available food for the bacteria. After the manure is mixed into the soil and becomes partially decayed, it will make the soil more loose and pliable, enabling it to hold moisture.

The cowpea is the best inter-tilled crop to grow upon manured land for alfalfa. Twelve to fifteen tons of manure should be applied as a top dressing and disked in. The cowpeas should be planted in rows thirty inches apart and cultivated sufficiently to kill the weeds. The cultivation helps to germinate the weed seeds and mixes the lime and organic matter from the manure more thoroughly with the soil. After the hay crop of cowpeas is removed the ground can be disked and fall sown. If it is too late in the season to do this or if the season is unfavorable for fall seeding the field could be fall plowed and sown in the spring.

The soil can be inoculated at the time of seeding by getting inoculated soil where alfalfa or sweet clover has been grown successfully and spreading this broadcast upon the prepared seed bed at the rate of 300 to 400 pounds per acre. This should be done on a cloudy day and the freshly spread soil harrowed in immediately, as the bright sunlight kills the bacteria.

Upon the poorer types of upland soils it is more practicable to grow sweet clover before seeding alfalfa. Sweet clover does not grow well on acid soils and should be sown upon land free of acids or treated with ground limestone. The plant is peculiarly adapted to a firm seed bed and care must be taken not to sow when the seed bed is too loose. The white flowered variety is the only variety that is profitable to sow, for a hay or pasture crop. The soil should be inoculated for sweet clover the same as for alfalfa, if a thrifty growth is desired.

## Governor Hodges Endorses Kansas Farmer Seed Wheat Club

**G**OVERNOR HODGES endorses Kansas Farmer Seed Wheat Club and appeals to the citizenship of Kansas to supply the seed wheat needed by the ten Kansas counties which are short. Writing Albert T. Reid, president of Kansas Farmer Company, accepting his appointment as a trustee, he says:

"It is agreeable to me to use my name as one of the club's trustees.

"It will, of course, be kept in mind that only eight out of the 105 counties of the state need seed wheat. There are possibly a few other counties, parts of which are needing seed wheat for sowing.

"I am sure that under the plan proposed the good people of Kansas, including the farmers, bankers and merchants, will respond to the appeal for funds, and this may be used as an indorsement of the plan proposed.

"The club is to be commended for having taken this matter in hand. Other efforts along this line have not as yet matured, and it is now high time that the matter of supplying seed wheat to those needing it be taking definite shape.

"It is understood that our state is not asking outside assistance, and the few counties that have been so materially affected by the drouth will be taken care of by the good citizenship of our state."

## Burning Chinch Bugs Paid County

*Even Late Burning Date Gave Cherokee Good Results—Barry Scobee*

**C**HEROKEE County farmers made a mistake in their big one-day chinch bug burning campaign last fall. They set the day too late, December 7, and a light snow fell the night before. Yet what success they had burning field by field in the next two weeks, along the lines planned for the one big day, did a vast amount of good. This is the conclusion of scores of observant farmers; and they maintain that the fields which were burned off and burned around, were practically free from chinch bugs. This assertion was borne out by what the fields produced. Burned off fields produced anywhere from 15 to 35 bushels of grain to the acre. Fields that were neglected, where the bugs thrived by the million, produced so little that in many cases they were not even cut.

There was an exception, however, to the statement that all fields which were burned off were free from the pests. When top dressing of trashy manure were applied, no matter how closely fire had bared the ground, the bugs ravaged the grain, whether it was wheat, oats or something else. Even the corn went. It was thus proven that trash was a depository for eggs and an harbor for bugs. The farmers say now that such manure should be spread before a field is given the "fire treatment," so that the stuff will be purified.

The "burning day" last December taught the farmers of Cherokee County a lesson which they will put into use, and that is to burn early and if possible to get every man in the county interested. Concerted action, getting together, everybody putting his shoulder to the wheel, arouses enthusiasm. The success of a burning day, given good

weather, is composed of five parts enthusiasm and five parts organization. In late August and early September they began talking about organizing something like they did last year.

Last year the Anti-Horse Thief Association was at the head of the work. County President Shaffer called a meeting of the presidents of the local lodges and the burning day was planned during the last ten days of November.

Each president agreed to call his lodge to a meeting. In some places the plan was followed of appointing two or three men to a section of land, or even more men than that, and having them promise to see that that section was burned off, providing the owners did not object. Usually the men living on a section were assigned to that section. One man was given the responsibility of getting the section burned off. If he didn't hustle around and get his neighbors out to help him he was supposed to burn the land himself.

"The plan would have been a grand success," said County President Schaffer, "if we had started to organize two weeks earlier. Burning day should have been set for sometime earlier. The men, made enthusiastic by the notices in the papers of how Cherokee County was to be a 'pillar of smoke' that day, and by so many turning out, would have accomplished wonders. But a light snow fell, just enough to dampen the vegetation and make it unburnable."

Farmers who did not dot do any burning in the fall tried it in the spring but this did not accomplish the death of the chinch bugs. The pests were hibernated too deeply in the harbors, and the material was not dry far enough down. In one instance an agricultural

expert took bunches of grass from a field burned over in the spring, and from single bunches counted as many as 2,000 bugs.

"Unquestionably the fall burning did a vast amount of good," said D. H. Holt of Mineral, a studious farmer and banker. "It seems to be a fact that the bugs did not bother the fields which had been burned off, except where they crawled into the fields from neighboring ones that fire had not cleaned."

"I have talked with scores of farmers and have observed it on my own farm, and am positive that a burning day early in the season, before a chance for snow, would be a great thing," declared Probate Judge James Ellis, who is an extensive farmer. "I know that where fields were burned off before Christmas last year, the bugs did not bother the wheat to speak of, except where neighbors' bugs got into it. I did observe something, however, that I will avoid this next year. Where disks and harrows left piles of trash in my fields the bugs made their winter quarters. When they began to work last spring the grain, which was wheat, began to turn white in little circles about these trash piles, big and little, and the circles gradually grew bigger and bigger and finally they joined together and at last my whole field was ruined. I did not cut it, and all because of the harbors of stalks and trash piled up by the harrow and disk. I am going to make sure to burn such places after this."

It is realized now that thousands of dollars were lost this year by not having gone over the fields with fire last fall when the growths were dry and quite inflammable. The corn has been

killed off practically and men who lost wheat by the bugs are in hard circumstances. A battle, it is believed, will be waged good and hard this fall to prevent a repetition of the wide devastation by the chinch bugs.

Whether the A. H. T. A. members or some other organization will be utilized has not been decided, but since the members of this lodge realize what good can be done they will attempt concerted action of some kind. Other lodge organizations, as well as the A. H. T. A., can be used. Or active men in each township can be called. The trustees could call a meeting; it is pretty certain they would receive an enthusiastic response.

#### Protect Children from Disease.

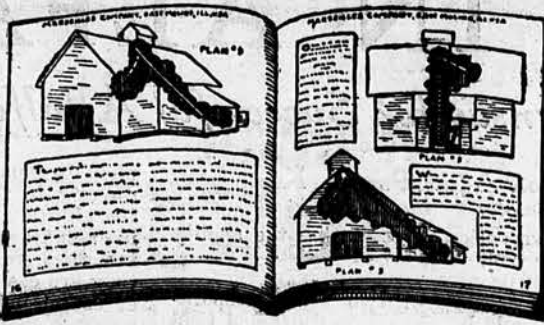
Children should be kept from all chance of contracting any of the contagious diseases so common at this season of the year, as in this way only shall we be able to stamp out these diseases. It is a fact too little known that much of the sickness of adult life may be traced to the effects of the contagious diseases of childhood. The best physicians are agreed that all acute infections decrease one's general vitality and lessen the reserve strength which later life demands. For instance whooping cough and measles pave the way for lung troubles; scarlet fever and smallpox for kidney troubles.

Secretary A. E. Wedd wishes to call the attention of all the Grange secretaries to the fact that on the report for the second quarter will be based the membership for delegates to the State Grange for the year 1913.



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READ KANSAS FARMER'S CLASSIFIED ADVERTISING PAGE FOR READY BARGAINS

# THE FARM



The services of E. J. Macy, agent for Montgomery County, have been so much sought by the farmers of that county; that the Farm Bureau management has purchased an automobile for his use. Travel by this means will, it is hoped, enable him to cover the county in less time, consult and advise with a greater number of farmers and also make it possible to call farmers from one farm to another that the results and accomplishments of neighbors may be noted. The county agent is a fixture in Montgomery County now.

The Federal Department of Agriculture reports the condition of corn on September 11, this year, as being 65.1 per cent as compared with 82.1 in 1912 and as compared with a ten-year average of 80.9 per cent. These percentages indicate the condition of the corn crop throughout the United States. The same percentages justify a forecast of twenty-two bushels per acre against a yield of 29.2 in 1912 and an average of 26.5 for the five years 1908 to 1912. The condition in Kansas is reported as but ten per cent of a normal crop and in the immediate adjoining states of Nebraska, Missouri, and Oklahoma, forty per cent of normal production is reported.

We read the other day of a farmer who lost his barn, granary and several other buildings by fire, being the result of a spark from a threshing engine while engaged in threshing oats and the separator so set as to throw the straw into the barn mow. In our travels throughout Kansas this fall, we have seen no less than a dozen threshing machines so set and we regarded this as an extremely dangerous practice and one to which no farmer should submit. To set a steam engine so near a barn as to permit the elevation of the straw from the separator into the barn mow is taking a big chance on serious fire loss. Do not do it.

It is our guess that Allen County has more silos than any other Kansas county, fifty-two having been built this year, bringing the total to at least one hundred. W. E. Watkins, the county agent, reports that many farmers are planning to lime land this fall in preparation for alfalfa. On a number of farms alfalfa will be sown on land where it never has been tried before. The cash value of the alfalfa crop, as well as its usefulness in crop rotation, has resulted in a great awakening on the part of Allen County farmers. They now begin to realize that alfalfa should be grown wherever it is possible, even though it be necessary to make over the land.

Cowley County farmers will have plenty of home-grown seed for next year's planting, and the activity of O. P. Drake, county agent, backed by the commercial clubs of Winfield and Arkansas City, will be responsible therefor. Each club has appropriated \$5,000 with which to purchase quantities of seed grown in that county and to be selected under the supervision of the county agent. This seed will be distributed to farmers at cost. The corn crop in Cowley was short this year, and it would be difficult for many farmers to obtain home-grown seed corn for the coming year except as the result of some concerted effort such as that above mentioned whereby the seed grown in the county could be gathered, saved and distributed. In Cowley County, as in most other counties of the state, there are fields here and there, which by reason of some favorable condition, will produce considerable seed. The Cowley County plan could be imitated with tremendous advantage by practically every county in Kansas this year.

All sorghums when stunted by dry weather or other causes, may cause loss of live stock from prussic acid poisoning when the sorghum is fed green or pastured. When fed dry there is little danger of poisoning. The veterinarians of the Kansas Agricultural College recommend that if silage is to be made of such stunted crops the forage should first be allowed to cure before being

placed in the silo, water then being used to supply the moisture necessary for its preservation. Readers should understand that poisoning does not result from normal growths of kafir, milo or cane. It is during a year like this, when the normal growth was interfered with as a result of dry weather or chinch bugs, that prussic acid exists in quantities sufficient to prove fatal to live stock. In cases of prussic acid poisoning, a strong solution of corn syrup or molasses may be administered as an antidote. Large quantities of milk may also be given with good effect. Another effective antidote is a solution of 100 parts of sulphate of iron mixed with 250 parts of water, and 15 parts of calcined magnesia mixed with 200 parts of water. These two solutions are then mixed and given to horses or cattle in doses of ten to forty ounces. In all cases the animals should have as much fresh air as possible.

The advantages of traction farming have long been recognized. The tractor, like the automobile, has the last four or five years been undergoing development, and within the last few years has become a thoroughly dependable piece of farm machinery. The heavy tractor was first developed. Following its perfection the demand came for a smaller and lighter tractor. The small farmer—the quarter and half section farmer—has been so persistent in his demand for a smaller tractor than those he could buy, that the tractor concerns have been working to construct a machine to meet this small farm demand. At the State Fair at Topeka was shown several small tractors, each adapted to the needs of the small farm and which, in our judgment, will satisfactorily meet the needs of the small farmer. With the smaller machines have come lower prices and tractors can now be had at prices ranging from \$600 to \$1,000 and which will do all kinds of farm work from plowing to grinding and hauling. The farmer who heretofore has felt that there was not a tractor adapted to his needs, is now justified in writing for the literature of the various tractor manufacturers and noting what they have to offer for the small farmer.

It has been figured that the actual average cost of producing a bushel of wheat in the United States, is fifty-eight cents. This is the cost of plowing, seeding, threshing, delivery to market, interest on land, machinery investment, etc. It has also been figured that a bushel of wheat removes from the soil on which it grows, forty-six and one-half cents' worth of potash, phosphoric acid, and nitrogen. The addition of these two sums which cover the actual cost of producing a bushel of wheat is \$1.045 which may be consistently considered as the cost of producing wheat. The value of wheat and wheat flour exported from the United States in 1907 to 1911 was 530 million dollars and the loss to the United States in such exportation was 270 million dollars in fertility. If the United States were able to keep at home the fertility extracted from its soils, the loss would not be so great. However, the exportation of more than two and one-half million dollars' worth of fertility and the "giving" of that fertility to other countries, is robbing the soil with a vengeance. The present methods of farming wheat will not be seriously felt in Kansas by the present generation. Deeper plowing and better farming and crop rotation will take care of our wheat yield in so far as the wheat farmers of today are concerned, but the coming generation will find Kansas farms depleted of those elements necessary to the production of a wheat crop and they are the individuals who will be compelled to either make over the land in order that wheat be produced or they must find a system of farming which does not involve the production of wheat. This situation may be avoided by sane wheat farming in the present and such farming will result in better farms and more wheat and greater profit from wheat. The wheat acreage must be reduced, more acres on each farm seeded to those lay and grain



crops which can be fed on the farm and these in rotation will, in a great measure, avert the serious situation which will exist in the not far future.

This is one of those years when thorough preparation of the field in advance of planting has given its reward and has demonstrated how deep fall plowing or listing results in creating a reservoir and the holding of moisture for the growing crop. Throughout the western part of the state where fields were prepared for kafir and cane last fall, either as a result of listing or plowing, there will be found good crops of roughage even in this season of short rainfall. Usually the farmer who so prepared his land either for sorghums or corn had a better idea of the principles of plant growth than did the man who gave the field no preparation until about planting time this spring. The sorghums on these fall prepared fields in the west were drilled in rows and thoroughly cultivated. The method of preparation stored the moisture of the winter and the early spring and the clean cultivation conserved that moisture. In the Kaw Valley near Topeka on those tracts which have for several years been planted to apple seedlings, fair crops of corn have matured. The same conditions prevail in these fields as exist in the western fields above mentioned, namely, deep plowing—a thing recognized as necessary in growing apple seedlings—and absolutely clean cultivation is also recognized as essential. The matter of breaking up the soil to as great a depth as is practicable and doing the work as far as possible in advance of the planting of the crop, cannot result in other than supplying a larger reservoir for moisture. This, because with the soil broken up deep precipitation rapidly settles into it, the run-off is reduced to a minimum, the incorporated moisture places in solution a greater amount of plant food and so the plant from all points of view is better nourished. Tests have proven that a 12-inch seed bed will conserve 85 per cent of the moisture which falls from the heavens. The shallower the seed bed, the smaller the proportion of moisture saved. When we come to regard that the seed bed is the home of the plant, that upon the ability of this home to foster the plant and that upon the nourishment and moisture supply given the plant in this home, a large or small crop is dependent, just that soon will we see the advantages and in fact the necessity of deeper plowing and doing that plowing at a time of the year when every drop of precipitation may be saved. If you will look about in your neighborhood and observe the results from fields so handled, either purposely or accidentally, you will not the truthfulness of the statements herein made.

**Adulterant of White and Alsike Clover.**  
There is being offered in the United States from European sources a mixture of seeds under the names of "Trifolium angulatum," and "Trifolium parviflorum," which is similar in color and general appearance to a mixture of alsike and white clover seed.

This mixture has no recognized commercial value in this country and will doubtless either be sold as white and alsike clover seed or used as an adulterant of these seeds.

Some of this seed has been imported at a price approximately one-half that of alsike and one-fourth that of white clover seed and an attempt has been made to sell it as a mixture of white and alsike clover.

**Shredding Attachment for Silage Cutter.**

Answering Subscriber A. A. T., Shawnee County, the editor is not familiar with the construction of all makes of silage cutters. There is only one cutter known to us as having a shredding attachment. In this make the cutting head is removed and a shredding head inserted. The shredding attachment is equipped or not equipped, as desired, with a snapping attachment, the latter removing the ears from the fodder before it is shredded. The best results are not obtained from the cutting of corn fodder with a silage cutter for the reason that the hardest portions of the stalk are left with such sharp edges that these parts are not readily eaten. If it is the desire of this subscriber to put his corn fodder through his silage cutter and it is a cutter which can be equipped with a shredding device, it will pay to purchase such device. In the case of the cutter familiar to us, the shredding attachment costs about \$25.

**Silage and Shredding Questions.**  
Replying to H. R. G., Sedgwick County, your cement silo should be coated

inside and outside with a rich mixture of cement and water. The mixture should be of pure cement and reduced by water to a thick paste or to a consistency such as will spread thoroughly with a broom or whitewash brush. The mixture should be thoroughly brushed into the pores and crevices of the concrete. Such coating will further tend to make the concrete walls moisture and air-proof. Our subscriber's questions relative to the amount of water to be used per ton in the siloing of corn fodder, are answered in the August 30, September 13, and September 20 issues of KANSAS FARMER. If subscriber will look up these issues he will obtain detailed answers to his inquiries and answers at greater length than we would be justified in repeating in this issue. However, enough water should be used to make the cut fodder pack thoroughly in the silo. The wet, cut fodder should be thoroughly tramped in the silo, thorough tramping under such conditions being much more necessary than when filling the silo with the green corn.

Whether or not it will pay this subscriber to put corn fodder through a silage cutter or a shredder, and store in the barn, will depend wholly upon whether or not the expense of cutting or shredding will be offset by the saving as compared with the ordinary method of feeding. If the subscriber is short of feed and is compelled to make every stalk of corn go as far as it will, then the feed saved by cutting or shredding will justify the expense. Oftentimes—and this is a year when this condition will prevail on many farms—it is necessary to save every bit of feed almost regardless of the cost of the saving. To cut or shred the fodder will reduce the waste to a minimum and so an acre of the corn field will feed a larger number of animals than it will in any other way, except by placing the fodder in a silo.

If the fodder is dry when cut or shredded and so does not contain an excess of moisture, it will not spoil when stored in the barn mow. The fodder should be thoroughly cured in the shock, it should be hauled and shredded during dry weather. If these precautions are taken it will not mold in the mow. If the corn fodder is heavy and the stalks large and hard, the silage cutter will not leave the fodder in good condition for stock. The hard pieces of stalks will have sharp edges, making them difficult to eat and there will be considerable wastage.

**Ration for Dairy Cow.**

Our subscriber, L. N. H., Sedgwick County, inquires whether the grain ration suggested in our reply to inquiry in September 13 issue on the proper balancing of a dairy cow ration, consisting of alfalfa and corn silage, could be profitably used with cows having alfalfa, corn fodder and wheat pasture. Where good alfalfa hay is available in connection with wheat pasture and such amounts of dry corn fodder as the cows may consume in addition, the amount of grain which can be fed with profit will depend largely upon the dairy capacity of the cows being milked. Even with alfalfa hay and such good pasture as wheat makes, there is a limit to the amount of such bulky feed a cow can eat and digest. If the cow has still further capacity for handling feed and converting it into milk, additional nutrients must be supplied in the form of properly balanced grain ration. The grain ration suggested in the reply referred to, consisting of four parts corn chop, two parts bran and one part cottonseed meal, is a good one to use and the amount which can be profitably fed must be determined by watching closely the results brought about in increasing the milk flow. If the cows respond with a sufficient increase to pay for the grain fed, its use is justified. If they fail to respond, the grain should be reduced in quantity or be cut out entirely. The tendency of some cows is to begin to store as body fat extra feed of this kind, and wherever this occurs there will be no profit in feeding the milk cow the additional grain.

Federal suits will be started in Chicago to recover \$800,000 in oleomargarine taxes. When Judge Landis summoned the federal jury and went thoroughly into the case, it was found that the oleo manufacturers owed the government \$2,000,000 instead of the \$1,200,000 which Secretary MacVeagh had compromised for \$101,000. Commissioner Osborne has decided to push the cases for the \$800,000 that was overlooked by Commissioner Cabel and Secretary MacVeagh and it is said that the Department of Justice will begin proceedings at once.

## A Woman Who Has Brought Up Over 17,000 Babies

And does it by mail and with such astounding success that doctors not only marvel how she does it, but concede that she has saved the very lives of hundreds of babies. She has a marvelously complete service that keeps her in personal touch with the mother of the baby, from month to month, for 24 months, and tells, every 30 days, exactly how to feed, dress, wash and take care of the baby.

She is Doctor Emelyn Lincoln Coolidge, the Baby Editor of *The Ladies' Home Journal*, and it is through the personal service back of the magazine that this marvelous work is done with the mother readers of *The Journal*.

Of all the 21 departments of *The Ladies' Home Journal's* personal service this Baby work is unquestionably the greatest and the most important, hundreds of mothers frankly crediting to Doctor Coolidge the very lives of their babies.

Just now Doctor Coolidge has over four thousand *Ladies' Home Journal* babies under her charge; her total in four years has been over 17,000 babies.

Each month Doctor Coolidge has a regular department in *The Ladies' Home Journal* that tells about this marvelous work. And it is free to every reader: the most expert baby-health advice without a penny's cost.

A booklet, entitled "The Story of 600,000 Invisible Hands," tells something about this service. A postal-card request will bring a copy.

A year's subscription to *The Ladies' Home Journal*, by mail, costs \$1.50, or it may be bought from any Newsdealer or Boy Agent at 15 cents a copy.

THE CURTIS PUBLISHING COMPANY  
INDEPENDENCE SQUARE  
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We claim your favor on No-Rim-Cut tires solely on the ground of saving.

We cut tire bills in four ways which no one else employs. That's how we won the world's largest tire business. And that's how we are going to win you.

**Way One**—In these tires we end rim-cutting—make it impossible. We do this in the only feasible way—a way which we control.

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Go see these tires—now the rulers of Tiredom. Our dealers are everywhere.

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(1347)

MEET YOUR FRIENDS  
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LIVE STOCK SHOW**  
KANSAS CITY  
Oct. 6, 7, 8, 9, 10, 11  
6 **BIG** DAYS = 4 **BIG** NIGHTS

Cattle  
Horses  
Hogs  
Dairy  
Cattle  
Sheep  
Mules  
Poultry



READ KANSAS FARMER'S CLASSIFIED  
ADVERTISING PAGE FOR READY BARGAINS



At the Wisconsin Experiment Station it has been found that the large cows return more profit per cow than the small ones. Cows 900 pounds and under returned products worth \$54.20 more than the feed eaten. Cows 901 to 1,000 pounds, \$61.36; cows 1,001 to 1,100 pounds, \$66.28; cows 1,101 to 1,200 pounds, \$72.21; cows 1,201 to 1,300 pounds, \$72.01; cows 1,301 to 1,400 pounds, \$79.64; cows over 1,400 pounds, \$88.01. Mr. Warren in his book on "Farm Management," in commenting on the above, says: "The large animals of any breed are much more economical of labor and barn room and usually give as much or more milk for the food eaten." The larger cows used their feed with the same efficiency as the smaller cows.

If some of the cattle stock of the farm must be sold or sent away from the farm for wintering, the farmer should be careful in dividing the herd. Those cows which are to freshen this fall and early winter are the ones to be kept at home and the ones which should have the best of feed and care that circumstances will permit. Those cows which as a result of their milking in the past year have shown them to be superior milkers, should be retained in the milking herd and should not under any circumstances be sold. It is bad enough in a year like this for the farmer to be compelled to dispose of any part of the little herd he has for years been getting together, but if he is confronted with the necessity of selling, he should exercise the very best judgment and keep those which will yield the greatest immediate return and those which will give offspring of greatest value in the next twelve months.

There will be many farmers who will this winter feel that on account of the necessity of purchasing feed there will be no money in milking cows. If the cows to be milked are fresh this fall and are fairly good producers, it will pay to give them such feed as is necessary to keep them near their capacity in milk production. If a good deal of feed must be bought the transaction will be much like swapping dollars. However, the skim milk will go a long way toward growing the calves, and a calf crop is needed for the success of every farm. More than this, while the cows are being milked they will maintain themselves in good flesh and will be in condition to give their owners two or three or possibly three or four months of milk next spring at a big profit on the spring and early summer pasture. If these same cows are not fed this fall and are allowed to become practically dry, they will go on to pasture next spring thin in flesh and will give very little milk at a time when it can be produced at a profit. To the farm dairyman the preservation of the milk flow is all important and the farmer can well afford—if he has a bunch of fairly good cows—to handle these cows in the best way possible, even though there is no profit in so doing for a period of three or four months, in anticipation of the profit which is sure to come when the sun shines warm and the grass begins to grow next spring.

A Wallace County correspondent writes that all the farmers of that county will this winter milk all the cows they can, which means that they will milk all the cows they have. We believe that, generally speaking, this condition will prevail throughout Kansas. Fifteen years ago it was considered that a short crop year was a good milk year, and we believe that this rule then held good. Those, however, were days before the introduction of the farm cream separator and when the whole milk was sold, necessitating more labor and expense in the delivery of milk to the skimming station than is now necessary for the delivery of cream to the receiving station. Since the introduction of the separator, however, the expense of delivery of dairy products to market has been reduced to a minimum, and so dairying has been made easier. Never before, either in Kansas or other

states, was dairying so easy and attended by so little expense and followed by less interference with the general farm work than now, and the hand separator has brought about this condition. The result has been that the past ten years, during which time Kansas generally has experienced unprecedented prosperity agriculturally, dairying has continued to increase year after year. However, the effects of short crops still have a tendency to increase the number of cows milked, although usually without an increase in total volume of dairy products, the increase failing to materialize through the unpreparedness of farmers to feed and care for their cows well. Beyond any question a greater number of cows will be milked in Kansas this winter than for many winters. The milk checks, no difference how small, will help, too. Many farmers who will milk this winter will continue to milk for the years to come. This is one of the advantages of people being forced by circumstances to do a little milking. The above correspondent says that there will be a great deal of rough feed in Wallace County this winter and that many hundreds of head of stock cattle are being shipped into that country for wintering.

The conditions of this year have served to demonstrate to the live stock farmer that the hand-to-mouth feeding proposition is poor policy, and in fact so poor that he can no longer afford to follow it. Every man has in his soul a feeling of the necessity of in some way or other taking care of the future. The man who has live stock, either by choice or because the conditions surrounding him are such as compel him to follow live stock farming, realizes this year possibly to a greater extent than for many years past that a feed supply to take care of a short year is an absolute necessity. It requires several years to build up a herd and the farmer cannot afford to be confronted with a condition of short feed at a time when he has accumulated a nice little bunch of stock. The man who is milking cows and who is depending upon the income from a little herd should realize more forcibly than anyone else the importance of having at least a year's supply of feed ahead. Most years on most farms more feed is grown than is needed. On many farms this feed is disposed of through careless and reckless feeding. On some farms the surplus is sold and on an occasional farm the surplus is stored for a short year. The man who this year has feed left over from last year is smiling from ear to ear. There are hundreds of such farmers, too, in Kansas. The silo furnishes the ideal method of storing kafir, cane and corn from year to year. The alfalfa shed or covered stack will take care of the alfalfa. In fact, corn fodder, cane and kafir can be stacked in such way that it will be preserved from year to year, and throughout Kansas there are many farms on which these coarse roughages have been preserved. Only the man who has been caught short and who has been forced to sell, even though at good prices, the little dairy herd and young stock he has been accumulating the past four years, knows just what the disastrous results of a short feed year are. The prudent dairyman and stockman should work on at least a two-year feed supply basis. The one year's feed ahead and not needed is an insurance policy which will not only protect the farm live stock, but will enable the farm to earn its normal income. There are numerous opportunities open to the man who has a year's feed supply on hand. To have this does not require any considerable additional capital, if any at all. To erect and fill a silo in order to preserve surplus feed does require some capital. In cases in which this capital is not available every farmer knows how he can store rough feed and hold it for feeding in the off year. Arrange next spring for the planting of a few acres of feed more than will be necessary for next winter's feeding. If the sun does not shine too hot and a few good rains fall, Nature will produce the feed. It is up to man to take care of the feed so produced.



**Forage Crops For West**

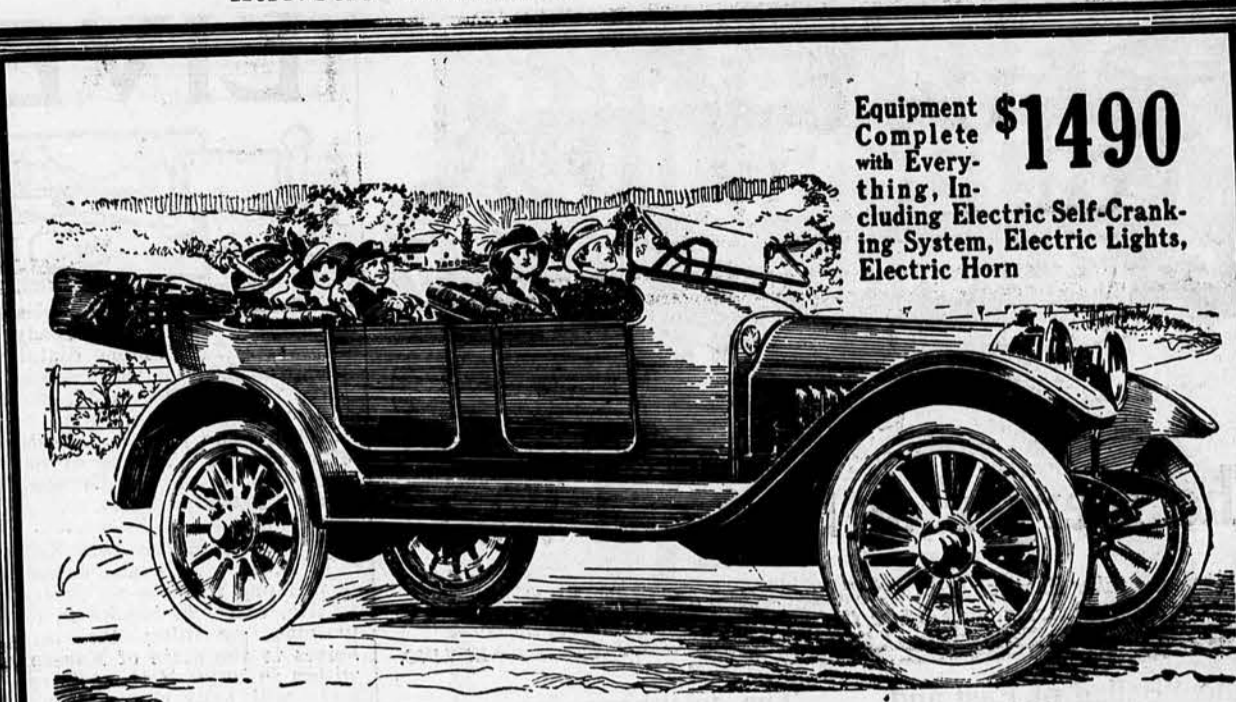
The Union Pacific Railroad has in the past been extremely conservative in its attitude toward disseminating agricultural information along its lines. In the past most corporations have given little thought to the welfare of the people with whom they are associated in a business way. There seems to have been an awakening all along the line to the fact that the great corporation can with great profit to itself as well as to the people with whom it does business, use its resources in advancing the general prosperity of the community in which it does business. Several of our railroad systems have been much more progressive than the Union Pacific in this respect. In the main this introduction of industrial departments devoting their whole time to the promoting of the most profitable systems of agriculture along their respective lines has not been on philanthropic lines. The general tendency of great corporations has been to take up matters of this kind from a purely business standpoint. Prosperous, contented farmers along the line of a railroad mean business for the railroad company.

With the coming of B. L. Winchell to the Union Pacific, as general director of traffic, this great corporation seems to have had a sudden awakening to the fact that it owes a duty to the community in which it does business. In like manner the International Harvester Company—another great corporation—seems to have suddenly taken on a human conscience and has begun to fulfill its obligations as a citizen in the community in which it has been doing business. All recognize the duty of the individual citizen to the community in which he lives, and the progressive citizen is ever ready to promote anything that will be of benefit to that community, with little thought as to the immediate effect upon his own private business. The community in which the corporation does business covers a much wider territory, but the same community interest on the part of the corporation may be shown, and it would appear that both the Union Pacific Railroad and the International Harvester Company had accepted this responsibility and are acting upon it.

The Forage Crops Special which covered the territory of the Union Pacific in Western Kansas last week was the result of a desire on the part of the International Harvester Company and that railroad company to carry out this idea of fulfilling some of the obligations the corporations owed to their communities. Since the Agricultural College is looked to as the source of the most reliable and accurate information regarding the best agricultural practices, it was assumed in the planning of this work that the experts from the college would be able to co-operate with the companies concerned and furnish the bulk of the expert assistance. However, those planning the work apparently had not realized how fully the time of the Agricultural College people is occupied and how necessary it is to plan a considerable time in advance for outside work of this kind. The date set was most unfortunate, being the week in which the college opened for the fall term. The plans had gone so far it was necessary to carry them out without change of date. It is greatly to be regretted that the college could furnish no speakers for this train.

The plan of meeting the people was somewhat different than that followed on previous lecture trains. This train was scheduled to stop two hours in each town. It made stops only where a certain number of farmers had signed petitions requesting it to stop. From four to six meetings were arranged for, some of them being at school houses and other meeting places eight and ten miles from the town, the lecturers being met and taken to the meeting places in automobiles. The purpose of this plan was to save the farmers from making the long drives necessary to get to the railroad town. It was assumed that many would be able to stop work long enough to go to their own school house or local meeting place who could not spare the time necessary to make the long drive to the larger town. During the first day of the run five towns were visited, namely Bunker Hill, Russell, Hays, Ellis and Wakeeney. In all, 23 meetings were held, the total attendance being in the neighborhood of 2,300. At Hays, where six meetings were held, the number present totaled 875.

Prof. P. G. Holden, the well known and all-around agriculturalist who has



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**New Auburn "40"**

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Here is a car which your family will be truly proud to ride in. Note, in this new car, the handsome sweep of the "stream" lines.

Note how they slope from the radiator to the back of the car. See the graceful sweep of the cowl, how it rakishly slants from the hood to the base of the windshield. Please observe also how the flush-sides and broad back of the car emphasize its general distinctiveness.

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The left hand drive, center control, gives the convenience of alighting direct onto the curb. It is unnecessary to face oncoming cars in stepping into the street when alighting.

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Our electric self-cranking system spins the motor. That ends a motor car fault, that of revolving the motor too slowly to secure combustion. Electric lights and electric horn, of course.

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This is the Auburn Automobile Company's 14th successful year manufacturing automobiles—they have never created an unsuccessful model. And in considering the New Auburn "40" please bear this in mind: One of the highest commercial ratings given by the two recognized mercantile agencies is given the AUBURN AUTOMOBILE CO.

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Come see these two cars at our showrooms. The visit will show you the startling motor car value of 1914. Then gauge all cars you are considering by this new standard of value.

Models: "40"—5-passenger, \$1490; 6-passenger, \$1590 (fully equipped).

Come at once, while their newness is an attraction to you.

**AUBURN AUTOMOBILE COMPANY**  
AUBURN, INDIANA

been employed by the International Harvester Company to organize and head their educational extension department, had made every effort possible to equip the lecturers on the train with the most timely information possible regarding the methods of arriving at the profitable systems of agriculture in the territory visited. The primary source of all this information was the Kansas Agricultural College and Experiment Station. It was centered around the one idea that the permanent prosperity of the western third of Kansas cannot be built around wheat farming as a center.

In the years past it has been extremely difficult to arouse interest in the proper cultivation and handling of such crops as kafir, milo and other crops specially adapted to the conditions of this territory. During the past two or three years, however, the farmers in this territory have come to realize more and more the necessity of hinging their operations upon the production of these drouth-resistant crops and their preserv-

ation in the silo and final conversion into cash by means of well-bred live stock. In the lectures given from this train this one idea was given great prominence. Farmers in the territory were keen for information along these lines. Where formerly questions were asked concerning only the growing and handling of the wheat crop, questions of this character were conspicuous by their absence at the meetings held from this train. Interest centered on questions pertaining to the proper handling of the various forage crops and especially their preservation in the silo, and others pertaining to the methods of securing the most profitable results in feeding out these crops. During the year which has passed these sure crops have come nearer making absolute failures than they have even been known to do before. However, it was found in every community that a few men had secured a fair degree of success in growing the drouth-resistant crops even under the most trying conditions of the past season. The new crop, feterita,

was found in almost every community, and farmers growing it were enthusiastic in its praise as a drouth-resistant grain sorghum.

It was impossible for KANSAS FARMER's representative to be with the train longer, so results of the later meetings of the week cannot be commented upon at this time. The results of such getting together of great corporations and the people with whom they do business cannot help but work for good to both parties concerned. A better understanding of each other's ideals and methods will be brought about and undoubtedly some immediate benefit will come from the expert advice which it was possible to give along the various lines.

EDITOR'S NOTE.—G. C. Wheeler, associate editor of KANSAS FARMER, was our representative on this train, and it was he who wrote the above. During the day he made five lectures, ranging (Continued on Page Eighteen.)





## The Merger of East and West

*"But there is neither East nor West, Border, nor Breed, nor Birth,  
When two strong men stand face to face, tho' they come from the ends of the earth!"*  
—KIPLING.

In the "Ballad of East and West," Kipling tells the story of an Indian border bandit pursued to his hiding place in the hills by an English colonel's son.

These men were of different races and represented widely different ideas of life. But, as they came face to face, each found in the other elements of character which made them friends.

In this country, before the days of the telephone, infrequent and indirect communication tended to keep the people of the various sections separated and apart.

The telephone, by making communication quick and direct, has been a great cementing force. It has broken down the barriers of distance. It has made us a homogeneous people.

The Bell System, with its 7,500,000 telephones connecting the east and the west, the north and the south, makes one great neighborhood of the whole country.

It brings us together 27,000,000 times a day, and thus develops our common interests, facilitates our commercial dealings and promotes the patriotism of the people.

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Every farmer will be benefitted by reading the ATLAS FARM POWDER BOOKLETS. They are brimful of helpful hints on soil cultivation.



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for Subsoiling, Stump and Boulder Blasting, Tree Planting, Ditching, and all kinds of blasting about the farm. Sold by dealers everywhere. Write for free booklet to-day. Address nearest office.

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## Keep It Off The Cows Put It On The Fields

You can't make an old stable with dirt floors and wood partitions sanitary. Wood partitions gather dust and disease germs. Dirt floors with their trapped-in filth should never come within a stone's throw of your milk pail. When a cow gets off her feed and her milk yield falls below normal, look to your stable. It may be as clean as you can make it; but that may not be clean enough. Equip your stables

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then profits will not fall off. The best treated cow gives the most milk—the best milk—the richest milk. She appreciates light and air, and you get your money back for making her home modern. Put a LOUDEN LITTER CARRIER to work behind her. You boys or your man will clean the barns in less time with less labor. We have been fitting up barns for fifty years. We will be glad to suggest what you need without any expense to you. Send for catalog; tell number of cows you have and submit rough sketch of stable. LOUDEN MACHINERY CO., 214 Broadway, Fairfield, Iowa. Agents: HARBISON MFG. CO., 1219-21 W. 11th St., KANSAS CITY, MO.



# LIVE STOCK



Volume 80 of the American Short-horn Herd Book is now ready for distribution. This volume contains 20,000 pedigrees, 8,000 of which are bulls numbered from 359,001 to 367,000, and 12,000 cows numbered from 115,001 to 127,000. The price to non-members is \$2.30 prepaid. Volume 81 has already been sent to the printer and will also contain 20,000 pedigrees.

#### Moving Horses Into Kansas.

E. D. S., a Nebraska subscriber, who is planning to move to Central Kansas to live, writes to inquire as to the regulations governing the bringing of horses to the state of Kansas and also wishes to know if the difference in climate will have any serious effect on horses moved from Nebraska to Kansas. The slight difference in climate between Central Nebraska and Central Kansas would have no appreciable effect upon the horses. If it became necessary to make any radical changes in the feeding of the animals some care would necessarily have to be exercised in making these changes. The commonly used feeds of the two sections concerned are so similar that probably no such change would be necessary. In order to bring horses to Kansas, in compliance with the regulations of our live stock sanitary commission, it is necessary to secure a certificate of health from a veterinarian in Nebraska and this certificate must show that the horses have satisfactorily passed the Mallein test for glanders. This last requirement has only recently been put into effect.

#### Whey for Hogs.

Our Arizona correspondent, H. C. Y., writes to inquire as to the value of whey for feeding hogs in combination with alfalfa pasture. Ordinarily whey has only about half the value of skim milk. One hundred pounds of whey contains only about six pounds of total dry matter. Practically all the protein has been removed from the milk, the chief nutrient remaining being the carbohydrate material which amounts to about five pounds to the hundred pounds of whey. In the experiments that have been conducted in Europe and at some of the United States experiment stations it would appear that when properly combined with corn, barley, or other meals, a hundred pounds of whey is equal to ten pounds of the meal. Alfalfa pasture or hay would naturally go with whey in balancing the ration, but in order to get very much in the way of gains some additional concentrated feed in the form of corn or other grain must necessarily be supplied. If properly utilized it is probable that whey which has been properly handled might be made to be worth approximately 15 cents per hundred pounds in the feeding of hogs.

#### Cottonseed Meal for Cattle.

J. A. N., Ottawa County, inquires regarding the value of cottonseed meal as a feed. This correspondent has been informed that cottonseed meal makes cattle go blind and has other injurious effects on breeding animals.

The great shortage of feed this year will undoubtedly make it necessary to purchase more concentrates than ordinarily is found necessary on many farms. Cottonseed meal in proportion to its price on the market is one of the most valuable concentrates available for the live stock farm. It has been observed, however, as a result of practical experience and as a result of trials at experiment stations, that this meal when fed in large quantities or for long periods of time produced various bad effects, sometimes causing the death of cattle and at other times producing blindness. This meal has always been fatal to hogs when fed in any considerable quantities. When fed judiciously to cattle, however, it becomes a most valuable supplemental feed. Good cottonseed meal has a bright yellow color and a pleasant taste and odor. Meal which has been wet and which has become mouldy is always dangerous and should never be fed. It is very seldom desirable or necessary to feed more than a pound to three pounds daily to cattle. Very low grade inferior rough feed can oftentimes be made useful in the feeding of cattle in combination with small

amounts of this extremely rich cottonseed by-product. When fed in this way no injurious results will follow its use. There are a good many different brands of cottonseed meal on the market and it would be difficult to advise as to what particular kind would be best. There are two general classes of cottonseed meal, one being known as the cold pressed cakes or meal, and the other as prime cottonseed meal or cake. The cold pressed cakes are sold under a number of different trade names. In their manufacture the oil has been squeezed from the cake by hydraulic pressure and the hulls have not been removed. In the manufacture of the prime cottonseed meal the hulls are removed before the oil is extracted. Heat and chemical solvents are used as processes in extracting the oil. The cold pressed cakes contain smaller percentages of the digestible nutrients, since they contain the fibrous indigestible hull mingled with the cake. In determining the relative value of the two classes of cottonseed meals it has been found that their value for feeding purposes is about in proportion to the relative amounts of digestible nutrients which they contain. As a rule, the cold pressed cakes should be purchased for about \$5 per ton less than prime cottonseed meal or cake.

#### Protecting Water Tanks in Winter.

Our correspondent, W. L. M., Sumner County, writes us as follows regarding his method of preventing freezing in his water tanks during the winter season. The freezing in an unprotected water tank is a great inconvenience during the winter season, and the methods for overcoming this suggested by our correspondent are so simple that they can easily be carried out by anyone who will make the necessary effort. "My storage tanks are about 12 feet high from the ground to the top of the tank. I put two-by-fours upright around the tank about every 30 inches, leaving about one foot between the two-by-fours and the tank. Then I take short pieces of boards and board up this frame, corn-crib fashion, and fill the frame with manure. With a good cover on the tank it will hardly ever freeze over. Farther north this frame should be larger and more manure used. I also fix my water troughs and low tanks the same way. I am building my new tanks of concrete and find them the best tank in every respect. Last year I built one 16 feet in diameter by 2½ feet deep. Last winter I left it full of water and without any protection whatever. It froze nearly solid, but did not injure the tank in the least. This year I built a concrete tank 20 feet by 2½ feet and am trying an experiment on it. About five feet from the north side I put in a chimney in the bottom of the tank, letting it extend about one foot higher than the sides of the tank. I reinforced the bottom of the tank for several feet around this chimney. I also doubly reinforced the side of the tank near the chimney. Before winter I intend to dig under this tank an opening like an outside cellar door and make a furnace under the tank, lining it with sheet iron to keep the flame away from the concrete. I intend to make the furnace large enough so I can burn useless odds and ends of posts, lumber, etc. I find these tanks easy to make and when the water is low and the cattle crowd around, you need not fear that they will push the side in, and if one should happen to jump in you need not fear that he will burst the bottom, either. And last, but not least, you can build one of these everlasting and indestructible tanks for less than a galvanized tank of the same dimensions will cost. But, when you build, build right, and you will have to do it but once. A good concrete job costs very little more than a poor one and the extra service will repay you or someone else a thousand times for the extra labor or expense."

Cattle breeders should not forget that manure may be contaminated with the virus of infectious abortion and that the disease may be spread in this way.—DR. M. H. REYNOLDS, Minnesota University Farm.



# Are You Fattening Lice or Hogs?

Neglect of pens, runs and troughs makes hog lice—and disease—a probability.

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Secretary.....C. M. Freeman, Tippecanoe City,  
Sec'y.....C. M. Freeman, Tippecanoe City, O.

An unusually good report has come to the office of A. E. Wedd, secretary of the Kansas State Grange, from the Rose Hill Grange No. 1522. This report shows that their dues are paid in full and the secretary, Mrs. J. M. Ryan, reports the arrival of an assistant state steward and secretary, named Miss Mary Catharine Ryan.

### Manhattan Grange Has Good Meeting.

Manhattan Grange, P. of H. No. 748, has been having some very interesting meetings of late. At one meeting every member was asked to do something. Some recited, others gave current events or quotations, some responded with select readings, while others gave short talks. This, with plenty of music, was enjoyed by all. The first meeting in September the subject, "What Do You Consider an Intelligent Ballot?" was discussed by all the brothers and a few of the sisters who were present. Many good ideas were introduced which go to prove that the patrons are awake on live issues. September 17 Professor McKeever of the Kansas Agricultural College was invited to give a talk to the patrons. He gave some ideas which he believed would help industrialize the boys and girls and cause them to individualize themselves with work and common humanity. He has fine ambitions and we hope the Grange may be able to help put his theories into practice. The Grange is to be congratulated in securing this noted author and lecturer to talk to them. On September 27 the Grange will hold a picnic at the new park at Eureka Lake for members' families and invited guests.  
—MRS. V. V. AKIN.

### Grange and the Tariff.

The legislative committee of the National Grange, which is comprised of National Master Oliver Wilson of Illinois, National Lecturer N. P. Hull of Michigan and Professor T. C. Atkeson of Morgantown, W. Va., has lately issued an open letter to Congress on the Grange position on the tariff. Fundamentally the Grange takes the position that so long as protection is the policy of the government, agriculture is entitled to its full share of protection. For several years the National Grange in annual session has stated its policy, and again last November at Spokane, Wash., it adopted the following resolution: "We believe that the tariff should be so regulated that it shall not cover more than the difference between the cost of production at home and abroad, and if we are to have free trade for one we should have free trade for all, and, further, that when the manufacture or sale of any article becomes monopolized the tariff be removed from such article."

The Grange does not undertake to say whether protection or free trade is the best policy for the government to pursue, because it is a nonpartisan organization, but it does believe that the farmer is entitled to as much consideration at the hands of Congress as is the manufacturer, and it demands "tariff for all or tariff for none." The legislative committee objects to placing agricultural products on the free list as "raw material." All products as they leave the farm are the "finished products" of the farmer as much as is the output of the factories the finished product of the manufacturers, and any and every protection or advantage that is accorded to one should be accorded to the other. "If we are to have free wool, then free woolens; if free raw sugar, then free refined sugar. The proposition to put wool on the free list while a tariff is continued on the goods made from the wool is manifestly unfair as between farmer and manufacturer."

The legislative committee in closing informs the Congress that the Grange knows the "difference between 'downward' and 'upward'" and it insists that the farmer be not discriminated against in the letting down of the bars.—Pacific Grange Bulletin.

# Write For FREE Copy PHILIPSBORN'S Fall Fashion Book



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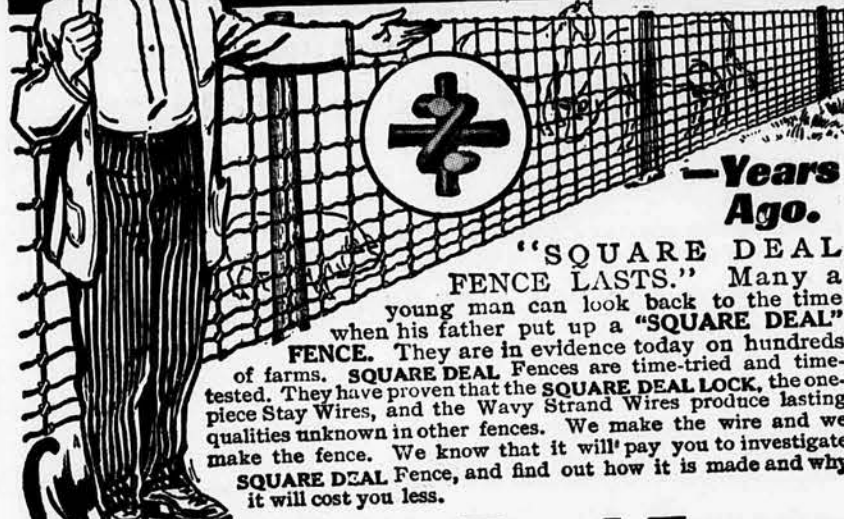
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## Kansas Show at Hutchinson

At Hutchinson as at Topeka, the Week Previous, Kansas Makes Good Showing in all Departments

THE Hutchinson Fair opened its gates Monday morning of last week and made its bow under the new management authorized by the Legislature of last winter. While much remains to be done in the way of permanent improvements on the fair ground, it had all the appearance of a big fair. The grounds have been laid off in streets and some cement walks have been laid which are a great convenience in passing from building to building in muddy weather. Good sidewalks appear a necessary improvement on every fair ground, as it is almost impossible to get through the week without having some rainy, muddy weather. This was the experience of Topeka in its big fair of the week before, and rain fell during the week of the Hutchinson fair also.

This fair has for several years been one of the show points for the numerous large machinery outfits. The use of threshing machines and plowing outfits operated by tractors of various kinds is an important feature of the farming operations of the territory tributary to Hutchinson. This fact has attracted exhibitors of such farm machinery in large numbers, and this year was no exception. The fair grounds are large enough so that sufficient land can be set aside to give ample room for demonstrating of these large outfits. The Hutchinson fair was strong in this respect, the number of exhibits of this class of machinery being larger than shown at Topeka the previous week. As at the latter named fair, the farmers in attendance were keenly studying the various machines on exhibition and the demonstrators were kept busy during most of the time explaining the various details of their equipment. The interest in silos is still maintained, all the exhibitors showing silos at Topeka having exhibits at Hutchinson. In addition there was on exhibition a silo partially constructed of the hollow tile manufactured by the Humboldt Brick & Tile Company.

The agricultural exhibit was housed in a commodious frame building giving ample room for the proper display of the general farm products. The most attractive exhibit in this building was that made by the fruit men around Hutchinson, the Yaggy plantation having an exceptionally large collection of fruit most strikingly arranged. The counties of the Hutchinson territory apparently were not as progressive as the counties in the northeastern part of the state, and very few collective county exhibits were shown. The Leavenworth County display, which was shown at the Topeka fair the week before, was probably the largest and best county exhibit shown at Hutchinson. Allen County had a very good exhibit which had been hurriedly gotten together by the county demonstration agent, W. E. Watkins. Mr. Watkins has been at work in this county only a short time and of course has had little opportunity as yet to plan for such exhibit work. The display, however, was very creditable. Morton and Stevens counties—the two extreme southwestern counties of the state—sent in collections consisting largely of extremely good samples of kafir, milo, broom corn and other crops such as can almost always be successfully produced in those counties. Taking the agricultural exhibit as a whole, it would seem that a larger number of exhibitors should have been in evidence, even though this has been a bad year for producing creditable agricultural products.

Several neat frame barns have been built to replace the stock barn which was burned last summer, and in these barns were housed the cattle on exhibition. The cattle show was simply a reproduction of the show at Topeka, with several herds dropped out. In the beef class the most conspicuous herd dropping out was that of J. C. Van Nice of Richland, Kan., who made such a strong showing of Polled Durhams at Topeka. The dropping out of herds was especially noticeable in the dairy division of the cattle show. The larger exhibitors, such as Wilcox & Stubbs, of Des Moines, Iowa, showing Guernseys; J. B. Smith, the Jersey breeder of Platte City, Mo.; H. F. Erdley, of Holton, Kan., showing Jerseys; and the "Butter-Bred" Holsteins of J. P. Mast, of Scranton, had moved from Topeka to Hutch-

inson, but apparently none of the dairymen in the territory directly tributary to Hutchinson had made the effort to get out and show their cattle as was done by the smaller dairy breeders around Topeka.

The hog show was the strongest feature of the live stock show made at Hutchinson. In numbers and quality of exhibits the showing was superior to that made at Topeka the previous week, and it was claimed by those familiar with previous fairs at Hutchinson that it was the best exhibition of hogs that had ever been made at that fair. It was especially strong in the Poland China and Duroc Jersey classes. In Poland Chinas, J. C. Meese, of Ord, Neb., with his strong herd of big-type Polands; John Gildow & Sons, of Jamesport, Mo.; W. Z. Baker, of Rich Hill, Mo., and a number of other breeders who had shown strong herds at Topeka, had moved their herds to the Hutchinson fair. In addition there were the strong herds of Stryker Brothers, Fredonia; Lee Stanford, of Lyons, and a number of others. In the Durocs, practically all the exhibitors showing at Topeka the previous week were in evidence, with several strong herds from near Hutchinson to help out the competition. Among these herds that of W. W. Otey & Sons, of Winfield, one of the newer breeders of Duroc Jerseys in Kansas, made a very strong showing. Mr. Otey's most notable winning was the securing of the senior and grand championship on his splendid boar, Good Enuff Again King. The junior boar championship was won by W. L. Crow of Hutchinson. Some strong herds of Hampshire hogs were on exhibition, among these being the well-known herd of A. M. Bear, of Medora, who won the silver cup offered by the Hampshire Association on the get of M. O. Boy.

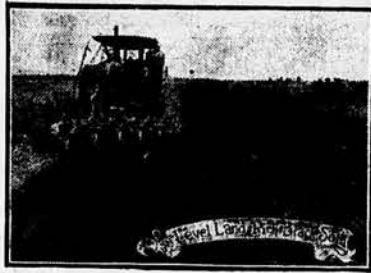
A very good display of sheep was on exhibition, consisting mainly of the exhibits shown the previous week at Topeka, with one strong Shropshire flock left out. L. B. Payne & Sons, of Garden City, had quite an exhibit of their Persian sheep. These attracted considerable attention. The sheep of this breed are strong, hearty-looking animals, and have extremely fleshy tails. It is claimed by Mr. Payne that they are a breed of sheep well adapted to standing the climatic conditions of the southwestern part of the state.

The horses on exhibition at Hutchinson were housed in four or five barns, which made it more difficult to study the exhibit carefully than at the Topeka fair, where the whole show was easily taken care of in the one large concrete horse barn. The first impression the visitor got on walking into the barns the first day of the fair was that he was visiting a reproduction of the Topeka fair, since all the exhibitors there had decorated their stalls with ribbons won at Topeka. Lee Brothers' exhibit was especially striking, filling one whole barn. Kirk & Penock, of South St. Joseph, who made such a fine showing of Percheron stallions at Topeka, did not go to Hutchinson. Some of the smaller farm breeders who made some splendid showings at Topeka likewise did not show at the Hutchinson fair. These smaller breeders should have had their places filled by similar farm breeders from the southern and central part of the state, but the smaller breeders did not come to the front so strongly as they did around Topeka. The show of jacks and mules was especially strong, this being one of the strongest features of this division. The competition was sharp among the jack and mule men, and all felt that they had demonstrated the great possibilities in producing these animals under Kansas conditions. A fairly creditable display of light horses was shown, although they were housed in such manner as to make it difficult for the visitor to inspect the animals carefully.

The poultry show was especially good. The poultry pavilion was filled to its capacity without overcrowding. The general quality of the fowls shown was high in all the various breeds. Judges Atherton of Emporia and Rhodes of Topeka were having an extremely busy time the first day of the fair picking out the winners in the various classes. In numbers on exhibition the

(Continued on Page Eighteen.)

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**The Useful Whisk Broom.**  
A stiff whisk broom is the best thing to sweep carpeted steps; if slipped into a clean bag of cheese cloth it is equally valuable for cleaning uncarpeted steps. Mattresses should be thoroughly swept with a clean whisk broom, kept for the purpose, once a week. For sprinkling clothes for ironing, try a clean whisk broom, dipping it into

the water, then shaking it over the clothes.

A stiff whisk broom is very effective in cleaning the lounge, or any tufted furniture.

A whisk broom is excellent for dusting door facings, or any woodwork that has grooves in which to lodge dirt.

For keeping the kitchen range clean a whisk broom is better than a brush.

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# HOME CIRCLE

Never try to clean yokes, collars or cuffs while sewed on the gown. Such things should always be made detachable.

Add a sliced banana to the white of one egg and beat until stiff. The banana will entirely dissolve, and you will have a delicious substitute for whipped cream.

A simple remedy for cold feet is to drink slowly two glasses of very hot water just before going to bed, it will warm and relax the system and improve the circulation.

If starched clothes become wet with rain while on the line do not take them down. Allow to remain till dry, and they will retain their original stiffness.

Do all in your power to keep closets and sinks clean and sweet. See that the private drains from closets are ventilated by pipe openings at the roof. Make sure that private drains are properly trapped, in order that the poisonous gas from the sewers may not get in the house. The neglect of this precaution is a fruitful cause for many of the most contagious diseases, such as typhoid fever, diphtheria, etc. Remember that disinfectants will not radically cure the evils resulting in fevers, etc., the only remedy being the removal of the cause—impure air, or water, which produced the evils.

### Oilcloth Apron.

One of the greatest economies I have found is the use of an oilcloth apron, writes a contributor to the Woman's Magazine. I make it small and round—like a tea apron, binding the edges with tape. When washing dishes and doing other rough work around the stove or elsewhere I wear it over my regular kitchen apron and find it saves half of the washing and ironing of aprons. When soiled it can be wiped off.

### Serge Right Side.

If any who are puzzled to determine which is the right side of serge will follow this rule, the difficulty will vanish, says the Los Angeles Express. Whenever there are diagonal lines in the weave, as in serge or in the pattern, as in some suitings, these lines run from the upper right hand corner to the lower left hand, on the right side. In many

materials other than serge these diagonal lines may be seen, such as merino, cashmere, and even broadcloth, though not so evident as in serge.

### To Clean Aluminum Ware.


What is the best way to clean aluminum ware? Aluminum ware may be cleaned by washing in hot water with plenty of soapsuds. It may be polished with a paste of jeweler's whiting which has been sifted to remove hard particles. Paste may be made with soapy water or water and alcohol, or water and ammonia added to the whiting; spread paste smoothly on surface and polish with soft cloth or chamois skin. Nickel and silver are polished in the same way. Any good metal polish may be used. If the stain is very bad, polish with sapolio. If this fails, discolorations may be removed with a very dilute solution of nitric acid. Never use alkalis such as washing soda or potash in cleaning aluminum.—Home Economics Department, North Dakota Agricultural College.

### Cooking Economies.

I have learned that the whites of eggs may be kept a week in a cool place, so when making dressings or anything which really requires only yolks, I place the whites in a bowl, and find I get enough together for white cakes or dessert before I realize it, says a contributor to Harper's Bazaar. Yolks may be kept by covering with cold water. If I serve a salad when entertaining, I always serve white cake, so my eggs serve a double purpose. I have a list of recipes for yolks alone and whites alone; also some in which I use sour milk, others for sweet, eggless cakes, and desserts. I also keep a careful list of just how many sandwiches can be made from a loaf of bread, how many pieces I can cut from one of my cakes, how many portions of chicken salad I may expect from one chicken, etc. This simplifies planning and eliminates waste.

### Lentil Soup Au Maitre.

Soak one cupful of lentils twenty-four hours in cold water to cover, then put in a kettle with two quarts of water and cook gently until the lentils are tender, adding boiling water to keep up the same quantity. When three-fourths done add a little celery cut up and salt and pepper to season. Finish cooking and serve from tureen with croutons.



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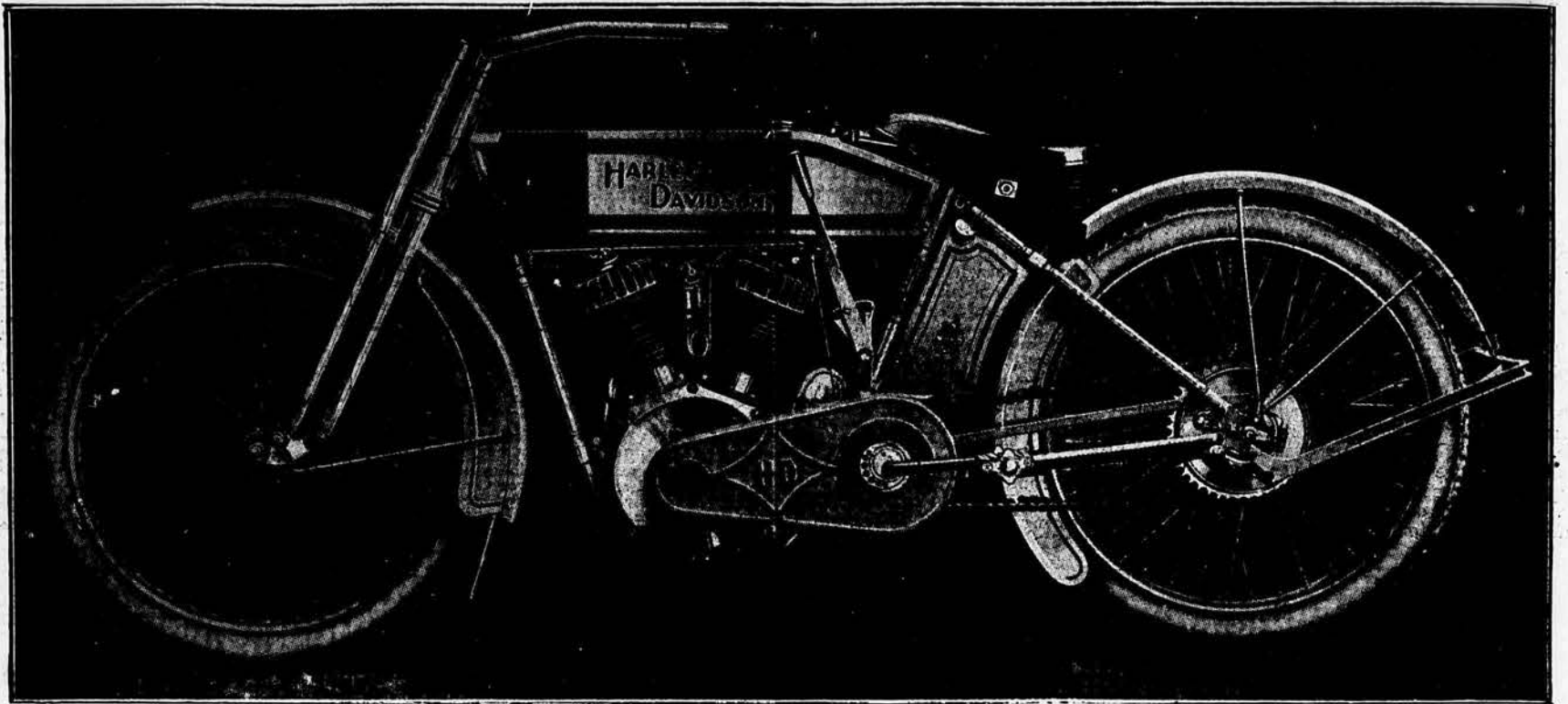
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Send in your names and addresses, boys. KANSAS FARMER is going to give away another Motorcycle ABSOLUTELY FREE in a Second Prize Subscription Contest just starting. Five hundred dollars in prizes will be awarded. It doesn't cost you a cent to enter, and we are going to pay you LIBERALLY IN CASH for each subscription you secure and help you to earn from \$8.00 to \$18.00 per week. YOU CAN'T LOSE in this contest, and you have everything to gain. Some fellow is going to win this big, fine, \$285.00 Harley-Davidson Twin Cylinder Motorcycle and make a lot of money besides, just by turning some of his spare time to a good advantage during the next few weeks. WHY NOT YOU?

If you only have a part of your time to spare, enter at once. You can turn that spare time into cash easily earned and win a speedy \$285 Harley-Davidson Twin Cylinder Motorcycle that will bring you more pleasure than anything else you could own. You will not feel that your time is wasted in this contest, because you get paid liberally IN CASH for every subscription you secure, and under the special plan I will send you, subscriptions can be secured EASILY and FAST. You will not know how easily you can really get this Motorcycle until you send in your name and address.

**THIS COSTS YOU NOTHING.** A complete description of the Harley-Davidson Motorcycle and the other big prizes that will be given away absolutely free will be sent to you, together with the rules of the contest and our easy plan to secure subscriptions fast and make from \$8.00 to \$18.00 per week. If you really would like to have this dandy \$285 Harley-Davidson Motorcycle, latest model, and make money while you are earning it, send in your name and address at once on the blank below.

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Don't think for a minute that some other fellow has a better chance than you have. HE HAS NOT. You will never know how easy it is to win in a Motorcycle Contest or how much money you can make until you enter and get started, which only requires that you send your name and address for full information about the prizes and the contest. You can have just as much fun with this Motorcycle as you could with an automobile, and you can go just as fast and as far, and just think—it will be given away absolutely free, freight charges prepaid to your home. Sign and send the blank at once to

**THE CONTEST MANAGER**

**Kansas Farmer Motorcycle Contest**  
**625 Jackson Street, TOPEKA, KANSAS**

The contest will start right away. A certain number of points will be given with subscriptions secured to KANSAS FARMER for which you will be paid, and the boy or man who has the highest number of points to his credit at the close of the contest, Friday, November 7, 1913, at 6 P. M., will be awarded this \$285 Harley-Davidson Motorcycle. The second highest will receive a \$75 Diamond Ring. The third highest will receive a \$50 Gold Watch. The next two highest will each receive a \$45 Life Scholarship in one of the largest Business Colleges in Kansas. A Business or Shorthand Course may be selected. The \$285 Harley-Davidson Motorcycle is guaranteed to be 8-horsepower, new, and in absolutely first-class condition, by KANSAS FARMER. It is sold and guaranteed by the Shawnee Cycle Company, dealers in Harley-Davidson Motorcycles, Topeka, Kan.

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You don't have to wait until the contest is over to be paid for the subscriptions you secure—you get paid every week. Only those residing in Kansas, Nebraska, Colorado and Oklahoma are eligible to be contestants.

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Don't wait—send in your name and address today on the coupon below and begin making money at once. To all those who send in their names within 20 days A FREE PREMIUM will be sent with the free outfit, and full information about the contest and description of all the prizes, so ACT AT ONCE.

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Contest Manager Kansas Farmer Motorcycle Contest,  
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100-acre stock farm; 65 under plow. Good investment at low price. Write, **C. WHIPP & CO., Concordia, Kansas.**  
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320 acres 9 miles north of Dodge City, Kansas; 90 acres in cultivation, new house 16x28. Stable room 28 head stock. Shed barn. Well and windmill. Rural chicken house, good granary. Price, \$1,500. \$1,500 against land due 2 years. Will trade this for a farm near Sheridan, Arkansas.  
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Not one single cent to pay for one whole year, and then only the interest. After that 15 years' time to make the land pay for itself. Most wonderful terms ever offered to farmers—especially renters. Located near Houston, in the heart of the grain belt. I want good settlers to help me develop the town of Northwood and the community surrounding. I will sell a limited number of farms on this plan. Act quickly if you want one. Every farm is situated on or within three miles of railroad; real farms—20, 40, 80, 160 acres; big crops corn, cotton, potatoes, cane; excellent for fruit and vegetables. Ideal stock country; good markets; healthful climate; good water; fertile soil. Greatest opportunity ever offered men who want to own a farm. Price, \$30 to \$35 per acre. If you have not the necessary horses or mules and implements to run a farm, and at least \$200 in cash to carry you, please do not take up my time, but if you really are equipped and want to get a start on good land without any cash payment down, write today for free maps, plats and all particulars. **C. L. Peice, Owner, 605 First National Bank Bldg., Houston, Texas.**

# POULTRY

Cooler weather admonishes us to get the winter quarters ready for the fowls. See that the poultry houses are clean and sanitary. Batten up the cracks and shingle the roofs if needed.

It is a good plan to have the fowls get used to their winter quarters early in the fall, before the severe weather sets in.

Wheat will have to be the main standby as poultry feed this winter. It is without doubt the best single grain for poultry feeding. While it is not well to feed any one kind of grain, yet wheat comes nearer to the ideal poultry food than any other grain. Even if wheat costs a little more than corn, you can afford to buy it for your fowls, as it will give greater results and will in reality economize in food. You do not have to feed it in large quantities, for it is solid and contains such nutriment. During the late State Fair at Topeka several samples of the new grain, variety, were shown, and we were very favorably impressed with its looks as a chicken feed. The grain is plumper and whiter than kafir and has more grains on the head. Notwithstanding the severe drought, it made good growth and matured large-sized heads. The grain will be too high in price this season for chicken feed, for it will be in great demand for seeding purposes next season. But after a good crop is gathered it can be sold at reasonable prices and fed to poultry with good results. For this season's chicken feed, however, our main hope is in wheat.

**Feed Grain with Milk.**  
The feed should consist of two parts of buttermilk to one part of ground grain. These should be mixed and fed as a sloppy ration. The birds receiving no other food. Skim milk is nearly as good as buttermilk and may be used in its place. The ground feeds may be composed of corn meal, wheat middlings and oat flour, because they are easily digested. The birds should be fed twice a day and as near twelve hours apart as possible.

The trough containing the feed should be left before the birds about 20 or 25 minutes and then removed. If food is left from the previous feeding the birds will not be particularly hungry at the next feeding time. The object is to have the bird so hungry at each feeding time that they will eat more than they really want, thus fattening faster.

The most profitable length of the feeding period is about two weeks. The birds should make 40 per cent to 60 per cent gain in this length of time. Usually the greatest gains are made the first week, but the gains the second week ought to be large enough to make them profitable. The cost of the gains vary from 7 to 12 cents a pound.

When the fattening period is finished the birds should be taken from the crates and killed and dressed at once. Care must be used when dressing them, as the bones are very brittle and easily broken.

Experiments show that the birds with strong vitality and plenty of masculine characteristics make the largest gains. The success of milk-feeding poultry depends as much upon the selection of the birds to be fed as it does upon the care they receive after being placed in the crates. The Plymouth Rocks, Wyandottes, Rhode Island Reds and Orpingtons are recommended for milk-feeding.—**PROF. WILLIAM A. LIPKOTT, Kansas Agricultural College.**

## HONEY.

**GUARANTEED PURE EXTRACTED** honey gathered by my own bees. Freight paid on 120-pound case for \$12. **W. C. Evans, Route 1, Box 17, Fort Collins, Colo.**

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**WANT TO CORRESPOND WITH KAN-** sas farmers and business men who are looking for a better location. Free information furnished concerning our industries, immense harbor and shipping, big factories, agriculture, etc. You can make money easier here than most anywhere else and enjoy a moderate healthful climate every day in the year. Write **R. L. Bisby, Sec'y Chamber of Commerce, Long Beach, Calif.,** for free information about business opportunities of Southern California.

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The only herd in Kansas making and keeping official records. Eighty head to select from. Cows in milk, bred heifers, heifer calves, and the finest lot of young bulls ever on the farm. All ages. Six or eight now ready for service out of cows with official tests up to 512 pounds of butter with first calf. Sons of Imp. Oakland Sultan, Gambos Knight, and a son of Golden Fern's Lad. Tuberculin tested and fully guaranteed. R. J. LINSKOTT, Holton, Kansas.

FOR SALE IN BUNCH.

Forty head of registered Jerseys, consisting of 30 cows and 10 heifers. This herd is the result of our 13 years of careful work to build a herd of high producers with constitution, size and finish. I have always retained the good ones until I now have 1,700-pound bull and 1,100-pound cows with finish, and I feel sure the herd will produce over 400 pounds butter average when matured. Bring your neighbor and start two or more herds. CHESTER THOMAS, Waterville, Kan.

JERSEY BULLS

Do you want a real good one to head your herd? Then write your wants to us. We have them sired by The Owl's Champion, he by The Owl of Hebron, and he by The Owl. It will pay you to investigate this line of breeding if you want the best the breed can produce. Also good Barred Plymouth Rock Chickens. WM. H. BRUNS & SONS, Route 2, Box 16, Concordia, Mo.

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.

WINELAND FARM JERSEYS. One of the strongest official record herds in the west. For sale, 10 choice young bulls, sired by Imp. Duke's Raleigh, and other good bulls. Out of cows now undergoing or having authenticated tests. Also, 25 females of different ages. H. C. YOUNG, Lincoln, Nebraska.

BENFER JERSEY CATTLE. Headed by Sultan of Comfortholms, by Oakland Sultan. Cows of Golden Lad and Tormentor breeding. Chocely bred bull calves at bed rock prices. E. L. M. BENFER, Leona, Doniphan Co., Kansas.

5 JERSEY BULL CALVES—TARIFF OFF. Females of all ages. Solid colors and bred along fashionable lines. The cows pay their board twice every day. "Blue Boys Baron" 99918 heads herd. About 20 head of cows in milk. S. S. SMITH, Clay Center, Kansas.

JERSEYS FOR PROFIT. AMERICAN JERSEY CATTLE CLUB, 324 W. 23d St., New York.

FOR SALE 25 Head Two-Year-Old Jersey Heifers in Calif. Some springing now. Also a few choice Jersey cows. H. F. HODGINS, Topeka, Kan.

JERSEY BULLS. Richly bred, registered and about ready for service. Several for quick sale. Also few females. Johnson & Nordstrom, Clay Center, Kan.

RED POLLED CATTLE

AULD BROTHERS Red Polled Cattle. Heifers and young bulls for sale. Prices right. Herd headed by Prince, one of the best sons of Actor. AULD BROS., Frankfort, Kansas.

Coburn Herd of Red Polled Cattle and Percheron Horses. 25 extra good young bulls and 7 first class young stallions for sale at bargain prices. Also young cows and heifers. GEO. GROENMILLER & SON, Pomona, Kansas.

FOR SALE—Polled Durham Bull, Duke of Lookout 6765, Shorthorn registry 305724. Dark red, weight 2,000 lbs., six years old, of good disposition. Gets good calves, mostly polled. Bred by D. C. VanNise of Richland, Kan. Sold for want of use. Priced right. PETER JOHNSON, Hays, Kan.

RED POLLS FOR SALE. In order to reduce the size of herd we offer choice registered cows of large frame and splendid milkers at very low prices considering quality. RESEB & WAGNER, Bigelow, Kan.

Phillips County Red Polls and Polands. All bulls over six months old sold. Bred cows and heifers for sale, also choice lot of big-type Poland China fall boars. Inspection invited. Chas. Morrison & Son, Phillipsburg, Kan.

SHORTHORN CATTLE. Six Pure Scotch Bulls. They are royally bred; sired by show bulls and out of our best Scotch cows. Four beautiful roans, two reds, 10 to 15 months old. Priced low for quick sale. HARRIMAN BROS., Pilot Grove, Mo.

HARRIMAN BROS., Pilot Grove, Mo. LAUDE CUTS PRICES. To meet short feed conditions we offer 15 nice Shorthorns at 25% discount from usual price. 60 head in herd—pick what you want. G. A. LAUDE & SONS, Rose, Kansas.

GALLOWAY CATTLE. GALLOWAY BULLS. Four pure-bred bulls eighteen months old. J. W. PRIESTLEY, Bolcourt, Kansas.

WESTVIEW JERSEY FARM

HERD BULLS—Financial Countess Lad, grand champion Jersey bull, Dairy Cattle Congress, Waterloo, Iowa, 1912, the largest Jersey show ever held in the United States. Sold for \$2,500 when 90 days old, and again as a two-year-old for \$5,000. Dam, Financial Countess 155100, the 1908 national butter champion, 13,248 pounds milk, 935 pounds 10 ounces butter. Ruby Financial Count 87211, a grandson of Financial King, dam a Register of Merit granddaughter of Financial King; milk record of 58 pounds per day. Herd founded on Finance, Interest and Gamboge Knight families. Cows milk as three-year-olds, 40 to 55 pounds per day. Every cow in herd on test. No dairyman ever considered a cow beautiful unless she is a heavy producer. Constitution first, production second, beauty third. J. E. JONES, PROPRIETOR, NOWATA, OKLAHOMA.

SHORTHORN CATTLE

JOHN R. TOMSON'S SHORT-HORNS DOVER - - - KANSAS. Strictly high class bulls just coming of serviceable age. Herd headers representing the very choicest breeding. Come and see them. R. R. station Willard, on Rock Island, 12 miles west of Topeka.

SHORTHORNS. Five Choice Red Bulls, 15 and 16 months old, sired by a ton bull, out of richly-bred cows. Write for description. A. H. Cooper, Natoma, Osborne Co., Kansas.

SHORTHORN BULLS. Big-boned, growthy fellows, Scotch and Scotch-topped, 8 to 12 months old. Few cows and heifers. Prices, \$100 to \$150. JEWELL BROS., Humboldt, Kan.

HORSES AND MULES. FISHER & WALKER. Of Evansville, Ind., importers and breeders of Percheron horses, also standard-bred horses and Kentucky and Tennessee Jacks. All young and first-class in every detail. Prices right and your own terms on payments. Stock sold with a gilt-edge guarantee that every one is as represented. Reference, Bankers National Bank, Evansville, Ind. Branch barn at Ellsworth, Kan. J. A. COWLES, Manager, Ellsworth, Kan.

JACKS AND JENNETS. Large mammoth black jacks for sale, ages from 2 to 5 yrs.; large, heavy-boned, broken to mares and prompt servers. Special prices for summer and fall trade. PHIL WALKER, Moline, Elk Co., Kansas.

YOU KNOW. That the really satisfactory breeding studs make money. GET A GOOD ONE from this big bunch of registered Percherons, weanlings to 4 year olds. Breeder's prices. Spend a day and see my breeding mares and all Trains direct from Kansas City and St. Joe. FRED CHANDLER, Route 7, Chariton, Iowa.

EXCELSIOR SHETLAND PONIES. Registered stock, spotted and solid colored ponies for sale. Reasonable prices. W. M. FULCOMER, Belleville, Kan.

HEREFORD CATTLE. Modern Herefords. Robt. H. Hazlett, Hazford Place, Eldorado, Kans. William Condell, Herdsman.

HEREFORD BULLS FOR SALE. Choice lot, 8 to 15 months old, registered and well grown. Sired by the ton bull, Clark 238402. Out of large cows, rich in Anxiety 4th blood. Prices reasonable. Also Duroc Spring Figs. HOWELL BROS., Herkimer, Kan.

C. C. CATRON'S HEREFORDS. A strictly high-class herd, a number of extra good yearling bulls for sale. Will weigh 1,000 pounds. Extra quality, best blood lines of the breed. They are the breeder's kind. C. C. CATRON, Bigelow, Mo.

HOLSTEIN CATTLE. COOKE'S HOLSTEINS. Cows 3 years or older, \$225 to \$600. Nothing cheaper. No heifers or heifer calves for sale. Bulls 4 to 10 months, \$125 to \$175. Mostly sired by grandson of Pontiac Korn-dyke. S. W. COOKE & SONS, Maysville, Mo.

HOLSTEIN BRED COWS AND HEIFERS. Eighty Head. Choice Individuals. Personally selected, Wisconsin-bred, tuberculin tested, pure-bred, unrecorded and high grade females. Recorded bulls. Grade heifer calves. ARNOLD & BRADY, Manhattan, Kansas.

BUTTER BRED HOLSTEINS. For Sale—Some choice bull calves. Prices very reasonable. Write me your wants today, as these bargains will not last long. J. P. MAST, Scranton, Kan.

HOLSTEINS FOR SALE. Large registered bulls, cows and heifers. Also five carloads of grade cows and heifers. Our herd is state inspected and tuberculin tested. THE SPRINGDALE STOCK RANCH, Concordia, Kansas.

HOLSTEIN CATTLE.

Pure-bred Registered HOLSTEIN CATTLE. The Capital, Topeka, Kansas, June 16, said: "When Maid Henry, the famous 18-year-old Holstein owned by the Kansas Agricultural College, was working so hard for the record of 19,600 pounds of milk and 835 pounds of butter in a year's time, dairymen prophesied that the Maid would be ruined. But Maid Henry returns to show that she is some cow even after breaking a record. She has a 114-pound male calf, born just the other day, to prove it." Send for FREE Illustrated Descriptive Booklets. Holstein-Friesian Assn., F. L. Houghton, Sec'y, Box 114, Brattleboro, Vt.

SIR JULIAN DE KOL FOR SALE. THE 1400 pound two year old Sir Julian De Kol 7th No. 74146; Recorded yearling Parkside Sir Ludov for sale at bargain prices. ARNOLD & BRADY, Manhattan, Kansas.

GRADE HOLSTEIN HEIFERS. 175 head of strictly high grade well bred fancy marked heifers; thirty 2-yr. old due in Sept. and Oct.; forty 2-yr. olds due in Dec. and Jan.; fifty 2-yr. olds bred in July. Forty yearlings and twenty five heifer calves from four to six months old. F. J. HOWARD, Bouckville, N. Y.

SUNFLOWER HERD HOLSTEINS. Highest A. R. O. backing. The entire herd, including heifers, average nearly 20 pounds each, 7 days. More cows above 20 pounds than all other Kansas herds combined. Best sires obtainable head herd. Address F. J. SEARLE, Okaloosa, Kan.

M. E. MOORE & CO. Cameron, Missouri. High-class Holstein breeding stock at reasonable prices. Tuberculin tested.

PURE-BRED SELECTED HOLSTEINS. Seventy-five to select from. Cows in milk. Chocely bred heifer calves and young bulls, from the best stock in New York. Selected by us. Glad to show them. EDMUNDS & YOUNG, Council Grove, Kan.

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

POLLED DURHAM CATTLE. ROAN HERO. THE INTERNATIONAL CHAMPION, AND ARCACIA PRINCE X 8079-308159. The first prize winners, head my herd of Double Standard Polled Durhams. M. P. Ry. 17 miles S. E. of Topeka, Kan. Farms adjoining town. Inspection invited. D. C. VAN NICE, Richland, Kan.

POLLED DURHAMS. Several bull calves sired by Roan Choice (Junior champion of 1911), also a few young cows and heifers from the greatest show and prize winning herd in Kansas, priced reasonable. Come and see my herd. C. J. WOODS, Chillicothe, Kansas.

SHROPSHIRE SHEEP. DOYLE PARK STOCK FARM. 50 Shropshires For Sale. 25 rams, 25 ewes and our flock ram. All registered. Cut prices. They must go. O. A. HOMAN, Peabody, Kansas.

SMALLEY & SONS SHROPSHIRE. Registered yearling and two-year-old rams by a son of Carpenter 432, winner of Pettifer cup, 1906. Choice breeding and quality, priced right. N. W. SMALLEY & SON, Bloekton, Iowa.

SHROPSHIRE RAMS. A choice lot of yearlings and two year olds for sale. Also one imported Dakin ram. All going at dry weather prices. J. W. ELLIOTT, Polo, Missouri.

REGISTERED SHROPSHIRE RAMS. Imported C. H. Justice 010035R at head of flock. Our flock rams are and always will be the best. Prices low. E. E. LAUGHLIN, Rich Hill, Bates County, Missouri.

OXFORD DOWN SHEEP. OXFORD DOWN SHEEP. Oxford Down Sheep—Large, hardy, prolific, well covered. J. H. WALKER, Lathrop, Missouri.

HAMPSHIRE SHEEP. HAMPSHIRE SHEEP. For Sale—14 choice ram lambs, also ewes from lambs to five years old. All stock registered or eligible. E. S. TALIAFERRO, Russell, Kansas.

When writing advertisers, please mention Kansas Farmer.

FIELD NOTES

Notice the change of copy in the of A. J. Swingle of Leonardville, Kan. Swingle is offering some extra good type Poland boars sired by Big Orange Again and Gritter's Best and out of daughters of the great A Wonder, Miller's Price and Podendorf's Chief Price. He is pricing them right.

J. O. James of Braddyville, Iowa, offering great bargains in springs pigs. James owns one of the greatest big-tailed herds now in existence and breeding stock from his herd is making good in the herds both in the east and west. Write up his card and write him if you need his herd header. He has them and is pricing them right.

How to Dress Better at Less Cost. Every woman has a right to demand the very best style ideas of the season—becoming combinations of color and fabric—guaranteed materials, fit and workmanship—and these at the right prices. Matter how much or how little she can afford to expend on her own or her family wardrobe. How often have thousands of women far removed from great metropolitan centers looked in a city show window and wished such becoming, beautiful, stylish garments and at such prices could be found at home. Phillipsborn—the Original Shopping Facilities of the greatest stores to every home—no matter how far removed it is from the city center. The magnificent Phillipsborn Fall and Winter Style Book has been justly called "America's Greatest Fashion Guide" as it is "The Book of a Thousand Bargains." It is a complete reflex of the best, most desirable, in the season's women's wear. Matter how much or how little can be afforded for the wardrobe—this book will show every woman how to dress better, less cost. It is filled from cover to cover with a vast number of money-saving opportunities. A copy of this 200-page Phillipsborn's Fall and Winter Style Book has been laid aside for each reader of Kansas Farmer. It may be obtained, without cost, without obligation, simply writing Phillipsborn, The Outer Garment House, Dept. 25, N. W. Corner Van Buren and Peoria Streets, Chicago, Ill. A postal with name and address will do.

(First published September 20, 1913.) PUBLICATION NOTICE. In the District Court of Shawnee County, Kansas. F. G. Thomas, Plaintiff, vs. William C. Knox, doing business as William C. Knox & Company; William C. Knox, surviving partner of Hodges & Knox; Halle H. Knox, sole surviving heir at law of Harry C. Hodges, deceased; partner of William C. Knox; J. L. Evans, L. S. Ferry, and L. S. Ferry, assignees of J. H. Hunt, deceased; Mary R. Hunt, executrix of the estate of J. H. Hunt, deceased; Hannah Nevels; Robert S. Stevens; Ellen C. Beals, and George L. Beals, administrators, devisees, trustees and assigns of the said Hannah Nevels, Robert S. Stevens, Ellen C. Beals, and George L. Beals, and the unknown heirs, executors, administrators, devisees, trustees and assigns of George Goodbar, deceased—Defendants.

No. 28292. The State of Kansas, William C. Knox, doing business as William C. Knox & Company, William C. Knox, surviving partner of Hodges & Knox; Halle H. Knox, sole surviving heir at law of Harry C. Hodges, deceased; Mary R. Hunt, executrix of the estate of J. H. Hunt, deceased; Hannah Nevels, Robert S. Stevens, Ellen C. Beals, and George L. Beals, if living, and if dead, in the alternative, the unknown heirs, executors, administrators, devisees, trustees and assigns of the said Hannah Nevels, Robert S. Stevens, Ellen C. Beals, and George L. Beals, and the unknown heirs, executors, administrators, devisees, trustees and assigns of George Goodbar, deceased, greeting:

You and each of you are hereby notified that you have been sued by the above named plaintiff in the District Court of Shawnee County, Kansas, in an action wherein F. G. Thomas is plaintiff and you, the said William C. Knox, doing business as William C. Knox & Company; William C. Knox, surviving partner of Hodges & Knox; Halle H. Knox, sole surviving heir at law of Harry C. Hodges, deceased; partner of William C. Knox; J. L. Evans, L. S. Ferry and L. S. Ferry, as assignees of J. H. Hunt, deceased; Mary R. Hunt, executrix of the estate of J. H. Hunt, deceased; Hannah Nevels; Robert S. Stevens; Ellen C. Beals, and George L. Beals, if living, and if dead, in the alternative, the unknown heirs, executors, administrators, devisees, trustees and assigns of the said Hannah Nevels, Robert S. Stevens, Ellen C. Beals, and George L. Beals, and the unknown heirs, executors, administrators, devisees, trustees and assigns of George Goodbar, deceased, are defendants; that said petition by publication have been filed in said action, and you are hereby notified that unless you answer said petition of plaintiff on or before the 3rd day of November, 1913, said petition will be taken as true and judgment will be rendered against you and each of you as prayed for in said petition, adjudging and decreeing the plaintiff to be the owner in fee simple of the full, legal and equitable title and estate in and to the following described real estate, to wit:

Lot numbered 416 in Block 9, and lot numbered 452 in Block 16, on Lincoln Street, and lots numbered 420 and 422 on Lincoln Street, and the 2 1/2 acre addition to the City of Topeka, Shawnee County, Kansas; also a tract or parcel of land described as follows, to wit: Beginning on the east line of the northwest quarter of Section 5, Township 12, Range 16, north and 24-100 chains north of the south line; thence north 1 32-100 chains; thence east 3 78-100 chains; thence south 1 32-100 chains; thence east 3 78-100 chains to the place of beginning; also a tract, piece or parcel of land in said northwest quarter of Section 5, Township 12, Range 16, described as follows, to wit: Beginning on the east line of said northwest quarter, 7 92-100 chains north of the south line; thence north 1 32-100 chains; thence west 3 78-100 chains; thence east 3 78-100 chains to the place of beginning, all in the City of Topeka, County of Shawnee, State of Kansas, and forever quieting and setting at rest her title and possession therein, and forever barring you and each of you from ever asserting or claiming any right, title, interest or estate in and to said real estate or any part thereof, and for all costs of said action, and such other and further relief as may be just and equitable. Witness my hand and seal, this 10th day of September, 1913.

C. W. BOWER, Clerk of the District Court, Shawnee County, Kansas. By JESSIE M. CURTIS, County Clerk. E. L. O'NEIL, Attorney for Plaintiff.



POLAND CHINAS

POLAND CHINAS

KING'S WONDER and ELLERBROEK WONDER

Poland China Sale

HALE, MO., WEDNESDAY, OCT, 15, 1913

FORTY HEAD HIGH-CLASS MARCH AND APRIL PIGS—20 Boars and 20 Gilts. Strictly choice individuals, large and growthy. Sires, King's Wonder and Ellerbroek Wonder, out of dams sired by Longfellow Again, R. B.'s Longfellow, Nodaway Dude, Grand Look, and other great sires. Will also sell some choice Shorthorn bulls and yearling heifers sired by King Challenger 312040, son of Whitehall King 27224. Send for catalog.

W. F. HOUX, Jr. HALE, MO. AUCTIONEER, A. W. CIES, CHILLICOTHE, MO.

WILL SHIP BOARS ON APPROVAL

FORTY BIG STRONG POLAND CHINA SPRING BOARS Sired by Long King's Best and Sampson Ex., out of as big sows as grow. They weigh around 200 pounds each and I will ship them on approval to farmers or breeders, \$25.00 to \$30.00 each. H. C. GRANER, LANCASTER, ATCHISON COUNTY, KANSAS.

Long King's Equal and A Wonder Jumbo

One hundred and seventy-five pigs sired by the above-named boars and out of A Wonder, Long King's Equal, and my famous Jumbo sows. We are headquarters for herd boars. Will also sell a few bred sows. Breeders will find the largest and best big-type Polands in this herd. Come and see them and you will be convinced. If unable to come, write me and I will do my best to please you. "Satisfied Customers" is my motto. All go at private sale. No fall sale. JOHN B. LAWSON, Clarinda, Iowa.

35 Immune Poland China Spring Boars

Sired by big Iowa bred boars and out of 700-lb. sows. The blood of A Wonder, Long King, etc. Price for thirty days, \$25 to \$35. Immune and fully guaranteed. Send check with first letter if desired.

J. L. GRIFFITHS, RILEY, KAN.

KING OF KANSAS 65406

GILDOW'S MAMMOTH POLAND CHINAS.

Special Offering for the Next Sixty Days: Fifty big spring boars, fifty big stretchy spring gilts and yearling and aged sows, either bred or open. These are all the big, stretchy kind, combining size with quality. Don't fail to see our show herd at Topeka, Hutchinson, St. Joseph, Sedalia, and the American Royal. Write us today. We are offering bargains. DR. JOHN GILDOW & SONS, JAMESPORT, MISSOURI.

BIG POLAND BOARS

TEN FALL BOARS, ready for service. Price, \$25 and \$30. Good ones, sired by Wedd's Long King, Wedd's Expansion and Big Logan Ex. Order quick. These bargains won't last. GEO. WEDD & SON, Spring Hill, Kan.

SAVE FIFTEEN DOLLARS

I have some magnificent old original big-boned Spotted Poland China boar pigs, of March farrow, for sale at \$20.00. These are absolutely equal in every respect to what other breeders are asking \$35 for. I also have gilts of all ages, bred or open, and a few sows bred for early fall litters. Write your wants. THE ENNIS FARM, Horine Station, Mo. (30 Miles South of St. Louis.)

ERHART BIG TYPE POLAND CHINAS

50 head of strictly big type Poland China pigs for sale at reduced prices for 30 days. Herd header and herd sows prospects. Sired by Major B. Hadley the Grand Champion, American Royal, 1911. Young Hadley—Giant Wonder—by A Wonder. Write today. We want to sell quick. A. J. ERHART & SON, Beeler, Kansas.

SHORTHORNS and POLAND CHINAS

One extra yearling red Scotch bull that we intended to show, sired by Whirlwind by Captain Archer, he is out of one of our best cows, a daughter of Barmpton Knight. This young bull is good enough to head any herd. We also offer our yearling herd boar A's Big Orange, and 25 young boars. S. B. AMCOATS, Clay Center, Kansas.

BIG-TYPE POLAND CHINA PIGS

Both sexes, February and March farrow. Fifty-five head, tops from 100 head, sired by Ross Hadley and Hadley C, out of extra big sows of Expansive, Price We Know, King Mastodon and Mogul breeding. Can furnish pairs not related. Well grown out on alfalfa pasture and of the best big-type breeding. JOHN COLEMAN, Denison, Jackson County, Kansas.

TWO HERD BOARS FOR SALE—One 3-year-old, a grandson of Big Hadley; one fall yearling sired by Mastiff by King Mastiff. Priced to sell. Geo. Haas, Lyons, Kan.

THIRTY POLAND PIGS Either sex. Good individuals. \$15 each. Pairs also. C. S. Carruthers, Salina, Kan.

RIGG'S JUMBO ORR SALE

BIG-TYPE POLAND CHINAS, FRIDAY, OCTOBER 10.

The long, roomy, big-boned, big-litter kind. Forty Head—Twenty boars and twenty sows. Sired by Jumbo Orr, Longfellow A, A Wonder Boy and Missouri King 2d. Catalogs are ready. Send your name for one. Thos. M. Hurt, Clerk. N. R. RIGGS, LAWSON, MISSOURI.

OTT'S BIG ORANGE OFFERING

Ott's Big Orange at 12 months old, weight 550 pounds. Individuality you won't fault. The kind we breed, feed and sell.

The kind \$25 to \$50 will bring to you. February to April farrow. These pigs will range in weight from 90 to 200 pounds. J. O. JAMES, BRADYVILLE, IOWA.



FARMERS AND STOCK BREEDERS, ATTENTION! THE TOPEKA MUTUAL LIVE STOCK INSURANCE COMPANY

Home Office, Topeka, Kansas. (Not an Assessment Company.) INSURES LIVE STOCK AGAINST DEATH FROM ANY CAUSE At a less rate and under more favorable conditions than heretofore offered to the Kansas farmers and stock breeders. This Company writes a Blanket or "Herd" Policy covering all ordinary live stock on farm, and pays amount insured in case of loss. FOR BLOODED AND PEDIGREED STOCK This Company has a Specific Policy that is more liberal and costs you less money than that charged by outside companies. This Company was incorporated by about 100 of the leading farmers and stock breeders of the State for their own protection and has complied with the State Laws of Kansas and is licensed by the Insurance Department. For full particulars as to insurance or agency, address: C. L. SHARPE, STATE AGENT, Central National Bank Bldg., Topeka, Kan.

Jack and Jennet Sale, -- Friday, Oct. 10, 1913

LEWISBURG, MARSHALL COUNTY, TENNESSEE A BREEDERS' SALE OF STRICTLY HIGH-CLASS JACK STOCK. FIFTY JACKS -- TWENTY JENNETS -- TEN COLTS. MARSHALL COUNTY JACK AND JENNET BREEDERS' ASSOCIATION. Address J. J. MURRAY, Secretary.

CRYSTAL HERD O. I. C.'s

Herd headed by Frost's Buster 29745 by Thea 30442. Extra lot of spring boars and gilts now ready to ship. Have some outstanding herd header prospects, also outstanding gilts. Size and high quality combined. Description of stock guaranteed. DAN WILCOX, R. F. D. 2, Cameron, Mo. Priced right.

SPRING PIGS, 100 DAYS OLD.

Forty big-type Poland pigs, sired by Big Four Wonder, grandson of A Wonder, and Orange Model 2d by Big Orange. Will sell them until they are 100 days old for \$25 each. Pairs, not related, \$40. First choice with every sale. Inspection invited. L. L. CLARK, Meriden, Kansas.

MELBOURNE HERD POLAND CHINAS. Headed by Melbourne Jumbo, one of the large smooth sires of the breed, mated with the best of big-type sows, among them daughters of What's Ex, Big Prospect, Dorr's Expansion 1st, and Union Leader. Stock for sale. R. B. DAVIS, Hiawatha, Kansas.

BIG ORANGE AGAIN BOARS.

Extra good March and April boars, sired by "Big Orange Again," and "Gritter's Surprise." Dams—By "A Wonder," "Miller's Chief Price," and Podendorf's "Chief Price Again." Immuned. Priced right. A. J. SWINGLE, Leonardville, Kan.

POLAND CHINA GILTS FOR SALE. 20 - Yearling gilts, bred to a son of Big Orange. March pigs in pairs and tris not akin, priced to sell. THURSTON & WOOD, Elmdale, Kan.

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.

GREAT SON OF GOLD METAL Heads our herd, mated with Utility, dam of the noted \$580 litter; Colossus, O. K. Price and Gold Metal. Fine lot of pigs out of these sows, most of them sired by Melbourne Jumbo. Inspection invited. AUSTIN SMITH, Dwight, Kan.

STRYKER BROTHERS' POLAND CHINAS. Choice boars and gilts from our show herd. Can sell all kinds of breeding stock at reasonable prices. Also Hereford cattle and standard-bred horses for sale. STRYKER BROS., Fredonia, Kan.

TEN BIG FALL POLAND BOARS. Four by Mogul's Monarch. Two by Long King, son of Long King's Equal. Two by Gephart. Extra good individuals at \$25 each. J. H. HARTER, Westmoreland, Kansas.

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

IMMUNE BOARS CULLED CLOSE. Fifteen big-type Poland China spring boars, strictly tops. \$20 for choice for 30 days. Also 35 gilts, same money. All immune. Hubert J. Griffiths, Clay Center, Kan.

J. H. BROWN, OSKALOOSA, KANSAS. Spotted Polands, Bred Gilts and Boars for sale.

THE STRAY LIST

TAKEN UP BY JOHN DOUGLAS OF Caney Township, Montgomery County, Kansas, address Tyro, Kansas, one black horse pony, age unknown, has three white feet, heart brand on left shoulder; also one dun horse pony with heart brand on each jaw and on left thigh. Said stray was taken up on the second day of May, 1913. Stray ponies valued at fifteen dollars each.

JOHN S. ELDER, COUNTY CLERK, Rawlins County. Taken up by Roy Stewart of McDonald, Kan., on the 28th day of July, 1913, two miles south and one and one-half miles east of the Midland Ranch and one mile north and one mile east of the Dewey Ranch, one span of mare work mules as follows: One bay mule about 11 years old, weight 900 lbs.; one black mule, with mealy nose, 10 years old, weight 1050 lbs. Owner can have same by paying advertising and other charges. Value, \$100.00 each.

BERKSHIRE HOGS

BERKSHIRE PIGS

Choice pigs, 10 to 16 weeks old, either sex. Sired by Robin Hood, Premier 2d, or Adam, a son of Rival's Lord Premier. Nothing but the very choicest specimens shipped. Price, registered, crated, F. O. B. here, one, \$20; two, \$35; three, \$50. W. J. GRIST, Ozawkie, Kan.

FIELD NOTES

J. A. Welshar, the big Duroc Jersey breeder located at Dillon, Dickinson County, Kansas, writes us a very interesting letter in which he reports the sale of his entire crop of spring pigs to one man. He is keeping over a big lot of sows and hopes to have plenty of stuff with which to supply his customers another fall.

J. H. Brown, Oskaloosa, Kan., breeder of big spotted Poland Chinas, starts a card in this issue offering fall-bred gilts, some with pigs by their side; also spring boars and gilts. Some of the yearling gilts are of Blain's Tecumseh and Mogul's Monarch breeding. Write Mr. Brown about this stock and mention Kansas Farmer.

Changes Sale Date. J. L. Griffith, big-type Poland China breeder located at Riley, Kan., changes the date of his fall sale to November 19. Mr. Griffith writes that he has sold four spring boars so far this fall and the demand promises to be good. He says the first pigs sired by his great boar, King of Kansas, are now arriving, and the little boars all look like herd headers. Mr. Griffith's card appears in every issue of Kansas Farmer. He offers 35 boars at private treaty. Write him now.

Jersey Herd for Sale. Chester Thomas, Waterville, Kan., proprietor of one of the best Jersey herds in Kansas, has an advertisement in this issue offering the entire herd for sale. Mr. Thomas has poor health and is short of both feed and room for the cattle. He is making a very attractive price on all of them. He thinks that upon the showing his herd has been making the past few years it will average 400 pounds of butter per cow. The herd bull, a son of Silverline's Lad, weighs 1,700 pounds and is one of the greatest bulls to be found. He is assisted by a grandson of Golden Fern's Lad. Several of the cows in milk are daughters of the previous herd bull, King of St. Lambert. Two or three parties should go together and buy this herd. Mention Kansas Farmer when writing.

W. F. Houx's Great Offering. Attention is called to the advertisement of W. F. Houx, Jr., of Hale, Mo., in this issue of Kansas Farmer. Mr. Houx is the owner of one of the great herds of big-type Polands, and also owns one of Missouri's select herds of Shorthorn cattle. On October 15 he will sell 20 head of boars and 20 head of gilts, many of them sired by his great herd boar, King's Wonder, one of the greatest sons of old A Wonder. The others were sired by his other herd boar, Ellerbrook's Wonder, also one of the great big-type sires in service at this time. The dams are daughters of such boars as Longfellow Again, Nodaway Dude, Grand Look and other great sires. This will be one of the best big-type offerings that will be sold this season. Mr. Houx will also sell some choice Shorthorn bulls and yearling heifers sired by King Challenger 312040, a son of Whitehall King 27224. Write for catalog, and please mention Kansas Farmer.

A Coming Jersey Breeder. The writer recently visited at his home near Dennison, R. A. Gilliland, one of the successful breeders of registered Jersey cattle in this part of the West. Mr. Gilliland offers for immediate sale a pair of very choice young bulls sired by his large herd bull, Daisy Corona's Champion, a Tormenter and combination bred bull coming from a splendid line of butter cows. These little bulls are out of the best cows on the farm, both for type and production, and rich in Golden Lad breeding. As he has just bought a great young bull from Moosehead Farm, the sire of the calves is also offered. He is a fine breeder and will be priced right. The new herd bull is a son of the great bull, Interested Prince 53225, having 23 daughters in the Register of Merit. The dam of the young bull is Owl's Interested Cretesia 211990, a Register of Merit cow having made 514 pounds of butter in one year. Her sire was Spermfield Owl, a bull having 42 Register of Merit daughters, 14 of them with an average of over 700 pounds. The dam of Owl's Interested Cretesia was Interested Cretesia, another Register of Merit cow with a record of 639 pounds in one year. This calf is an excellent individual and will make a fine cross on the kind of cows that Mr. Gilliland has in his herd. Write him about the bulls.



DUROC JERSEYS

Tatarrax Herd Durocs

For Sale—Fifty Spring Boars, sired by Tatarrax, G. M. Tat. Col. and Tat's Top. The best bunch of boars we ever raised. Priced reasonable.

Hammond & Buskirk, Newton, Kans.

HILLSIDE DUROCS. 20 March boars sired by Dandy Model by Dandy Lad—Dandy Model's litter brothers won first and second at Kansas and Oklahoma State Fairs last year. Priced reasonable.

FALL and SPRING BOARS

Fall and spring gilts bred or open sired by Model Chief by Chief's Perfection, he by Ohio Chief. Write for prices.

BELLAIRE DUROC JERSEY HERD. Oldest in the West. Seventy spring pigs, both sexes, mostly by my herd boars, Model Topnotcher and Oakland Lad, out of richly bred dams.

DUROC JERSEY BRED GILTS. 20 yearling gilts bred for Sept. and Oct. farrow, sired by my three herd boars, Joe Cannon, Fountain Valley Prize and New Lebanon Coker.

DE E. G. L. HARBOUR, Baldwin, Kan. for prices on HAMPSHIRE BOARS AND GILTS. Also some fine weanlings.

IMMUNE DUROCS—Fifty big-type sows and gilts, fall boars and spring pigs. Choice breeding and guaranteed immune from cholera.

MARSH CREEK DUROCS. Choice fall gilts sired by Tats Chief bred to Buddy O. K.; also open fall gilts and spring boars.

QUIVERA PLACE DUROCS. Herd headed by Quivera 106611 assisted by M & M's Col. 111095.

DUROC March Boars \$12 and up, by Model and Tatarrax Boy. R. W. BALDWIN, Conway, Kan.

CLEAR CREEK DUROCS. Headed by Clear Creek Col., grandson of Dreamland Col. Forty choice alfalfa-raised pigs to select from.

AUCTIONEERS.

Be an Auctioneer

Travel over the country and make big money. No other profession can be learned so quickly that will pay as big wages.

Col. Jas. T. McCulloch Live Stock and General Auctioneer. Ten years of study and practice selling for some of the best breeders.

R. L. HARRIMAN LIVE STOCK AUCTIONEER. Buncheon, Missouri.

LAFE BURGER LIVE STOCK AND REAL ESTATE AUCTIONEER. Wellington, Kansas.

FRANK J. ZAUN FINE STOCK AUCTIONEER. Independence, Mo., Bell Phone 675 Ind.

Col. W. B. RYAN LEBANON, KANSAS. Live stock and farm sales auctioneer.

Col. C. A. Hawk; General Auctioneer. Effingham, Kan.

Col. Will Myers Live Stock, Real Estate and General Auctioneer. Beloit, Kansas.

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

Col. N. E. Leonard Live Stock and General Auctioneer. Use up-to-date methods. Pawnee City, Nebraska.

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

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

L. H. GROTE, MORGANVILLE, KANSAS. General Auctioneer. Write or phone for dates at my expense.

KANSAS SHOW AT HUTCHINSON.

(Continued from page twelve) showing here was fully equal to that made at Topeka the previous week.

The large liberal arts building was comfortably filled with the various exhibits, including the textiles, domestic science exhibits, art work of the various kinds, and the various manufacturers' exhibits.

The Agricultural College was drawn on quite heavily in furnishing judges for the fair. In the cattle division Professor Cochel was busy tying the ribbons on the Herefords, Assistant Blizard of the Animal Husbandry Department, worked on draft horses; and Dr. C. W. McCampbell of the same department on light roadsters.

This fair made the experiment this year of putting on a horse show as an evening amusement feature. There were quite a number of entries made for this

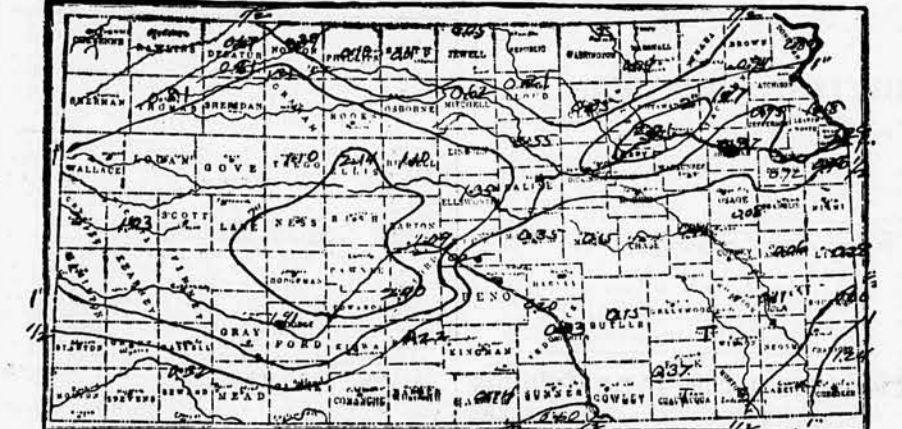
show. The facilities for carrying out this feature were necessarily not of the best since the showing all had to be made in the open air in front of the grandstand.

Late in the afternoon of the first day of the fair, Secretary F. D. Coburn, Thomas Hubbard of Wellington, and Thomas B. Potter of Peabody, three members of the board of managers, were noted going from building to building, sizing up the general appearance of the fair, and judging from the expressions on their faces they were highly pleased with the results of their efforts in the staging of the fair under the new management.

FORAGE CROPS FOR WEST.

(Continued from page nine) in length from 20 minutes to an hour and a half. In Holden's own words, "Wheeler gave our speakers the keynote for the work of this train."

KANSAS CROP REPORT FOR WEEK ENDING SEPTEMBER 20



Rain Chart prepared by T. B. Jennings from reports collected by the Weather Bureau. UNITED STATES WEATHERS OBSERVER'S REPORT BY COUNTIES.

Allen—Weather cool; light showers. Anderson—Rain improved peaches and apples; pastures started; some wheat being sown. Barton—Local showers; wheat sown before rain coming up, showing good stand; ground in good condition for plowing; pastures greatly improved.

wheat will be sown than last year. Johnson—Some preparation for wheat seeding; water scarce. Phillips—Wheat seeding in progress; alfalfa seed crop turning out well.

FIELD NOTES

FIELD MEN. O. W. Devine.....Topeka, Kan. Jesse R. Johnson.....Clay Center, Kan. W. J. Cody.....Topeka, Kan.

PURE BRED STOCK SALES.

American Royal Sales. American Royal Angus Sale—Tuesday, Oct. 7, Kansas City, Mo. American Royal Shorthorn Sale—Oct. 8, Kansas City, Mo.

Oct. 21—H. B. Walter, Effingham, Kan. Oct. 22—H. C. Graner, Lancaster, Kan. Oct. 22—C. E. Conover, Stanberry, Mo. Oct. 23—J. H. Baker & Son, Butler, Mo.

HAMPSHIRE HOGS

HIGH QUALITY HAMPSHIRE. Spring Boars and Gilts, sired by prize-winner, R. F. Fancy. Will sell 5th, one of my best sows, due to farrow October 12.

MULE FOOT HOGS

350 big-type Mulefoot hogs of all ages for sale, from champion herd of America. JOHN DUNLAP, Williamsport, Ohio.

OHIO IMPROVED CHESTERS

FROST'S O. I. C's. Twenty March and April boars for sale. Also three show boars weighing from 300 to 500 pounds. All prize winners. Priced reasonable. Address S. J. D. & B. H. FROST, Kingston, Mo.

WOLFE'S O. I. C. SWINE. Large, prolific kind, March and April boars. Gilts bred or open. Fall pigs. Priced low. Pedigrees free. Write your wants.

MAPLE LEAF CHESTERS. Large, smooth and prolific. Our stock and prices are right. Write us your wants. Satisfaction guaranteed.

O. I. C. PIGS, \$15 A PAIR. H. W. HAYNES, MERIDEN, KAN.

TOO LATE TO CLASSIFY

FAIRVIEW FARM JERSEYS. For Sale—Two choice young bulls by Daisy Corona's Champion, a Tormentor bred bull. Dams, best Golden Lad bred cows.

Better Land—Bigger Crops

A certainty when legume cover crops are planted. FARMOGERM High-Bred Nitrogen Gathering Bacteria. For Alfalfa—Beans—Clovers—Peas—Vetch, Etc. A \$2.00 bottle will inoculate seed for one acre.

Feb. 19—J. L. Griffiths, Riley, Kan. Feb. 27—W. A. Davidson, Simpson, Kan.

Duroc Jerseys. Oct. 17—Moser & Fitzwater, Goff, Kan. Oct. 31—A. M. Rinehart & Son, Smith Center, Kan.

Nov. 1—N. B. Price, Mankato, Kan. Nov. 4—E. S. Davis, Meriden, Kan. Nov. 7—Leon Carter, Asherville, Kan.

Jan. 23—John T. Higgins, Abilene, Kan. Jan. 26—R. P. Wells, Formoso, Kan. Jan. 27—Ward Bros., Republic, Kan.

Feb. 4—Moser & Fitzwater, Goff, Kan. Feb. 5—Samuelson Bros., Cleburne, Kan. Feb. 6—Leon Carter, Asherville, Kan.

Feb. 7—Horton & Hale, DeKalb, Mo. Sale at Rushville, Mo. Feb. 7—E. G. Munsell, Herkimer, Kan.

Feb. 8—Howell Bros., Herkimer, Marshall County, Kan. Feb. 10—Kansas Agricultural College, Manhattan, Kan.

Feb. 11—Thompson Bros., Garrison, Kan. Feb. 12—J. A. Porterfield, Jamesport, Mo. Feb. 12—Edw. Fuhrman & Sons, Oregon, Mo.

Feb. 20—John Emigh, Formoso, Kan. Feb. 21—Dana D. Shuck, Burr Oak, Kan.

Polands and Durocs. Oct. 15—Fred G. Laptad, Lawrence, Kan.

Chester White and O. I. C. Oct. 15—J. H. Harvey, Maryville, Mo. Oct. 14—George E. Norman & Sons, Newtown, Mo.

Oct. 16—J. S. Kennedy, Blockton, Iowa. Nov. 4—H. D. DeKalb, DeKalb, Iowa. Sale at Council Bluffs, Iowa.

March 6—H. D. DeKalb, DeKalb, Iowa. Laptad Stock Farm Sale.

In this issue will be found the sale ad of the Laptad Stock Farm. Mr. Laptad will sell 25 Poland China spring boars and gilts, also 25 Duroc Jersey spring boars and gilts.

Big Demand for Tires.

Tire manufacturers this year are brought face to face with the problem of taking care of the biggest demand for tires that ever has been known in the history of the industry.

You are interested in making your casings run as far as they will. Reasonable care will increase the mileage fully 25 per cent. If you have not already so done, write KANSAS FARMER tire advertisers for their printed matter about tire care.



# LAPTAD STOCK FARM PUBLIC SALE

## POLAND CHINAS and DUROC JERSEYS



One of the Laptad Kind.

**50 Head 50**  
**25 - POLANDS - 25**  
**25 - DUROCS - 25**  
**WEDNESDAY**  
**OCTOBER 15**  
**Lawrence,**  
**Kansas**

**THE POLAND CHINA OFFERING—NUMBERS 1 TO 25.**  
 No. 1—"Sunshine 2nd" (161297). Fall yearling sow. Sold with breeding privilege.  
 No. 2—"Black Star" (161299). Fall yearling sow. Sold with breeding privilege.  
 Nos. 3 and 4—Boars. Sire, Douglas 62502; dam, Mogul's Lady Hadley (16301).  
 Nos. 5, 6 and 7, Boars, and Nos. 8, 9, 10, 11 and 12, Sows. Sire, Hadley Mogul 65307; dam, Looks Giantess (138288).  
 Nos. 13, 14 and 15, Boars; No. 16, Sow. Sire, Hadley Mogul 56307; dam, Mabel H. (135394).  
 Nos. 17, 18 and 19, Boars; Nos. 20 and 21, Sows. Sire, Douglas 62502; dam, Mabel H. 2nd (161300).  
 Nos. 22, 23, 24 and 25, Sows. Sire, Douglas 62502; dam, Black Star (161299).

**THE DUROC JERSEY OFFERING—NUMBERS 26 TO 50.**  
 No. 26—"Mortgage Lifter" (364486). Two-year-old sow. Sold with breeding privilege.  
 No. 27—"Tatty's Pride" (364864). Fall yearling sow. Sold with breeding privilege.  
 No. 28—"Laptad's Money Maker" (364862). Fall yearling sow. Sold with breeding privilege.  
 Nos. 29, 30, 31, 32, 33 and 34, Boars. Sire, Laptad's Tatarax 90843; dam, Top Notcher Maid (253860).  
 Nos. 35, 36 and 37, Boars; Nos. 38, 39 and 40, Sows. Sire, Laptad's Golden Rule 117667; dam, Mortgage Lifter (364486).  
 Nos. 41, 42 and 43, Boars. Sire, Laptad's Golden Rule 117667; dam, Tatty Notcher Gold Queen (364488).  
 Nos. 44 and 45, Boars; Nos. 46 and 47, Sows. Sire, Laptad's Golden Rule 117667; dam, Tatty's Pride (364864).  
 No. 48, Boar; Nos. 49 and 50, Sows. Sire, Laptad's Golden Rule 117667; dam, Laptad's Money Maker (364862).

**SEND FOR CATALOG! COME RAIN OR SHINE! SALE UNDER COVER!**  
 Auctioneers—Col. Frank Zaun, Independence, Mo.; Col. S. T. Moore, Lawrence, Kan. Fieldman for Kansas Farmer, O. W. Devine.

# POLAND CHINA

## SALE

**AT**  
**MORAN, KANSAS**  
**THURSDAY**  
**OCTOBER 2, 1913**

**TWENTY SPRING BOARS that will make large hogs.**  
**Much herd header material among them.**  
**TWENTY SPRING GILTS that are extra large and**  
**growthy, with lots of quality.**

**TEN** Fall Yearling Gilts that are extra good. They will be sold open. Two Tried Sows, bred for early fall litters, and three tried sows sold open. Our hogs have done well and are in fine condition. Please send for a catalog and arrange to attend our sale. Remember the date is October 2, and Moran, Kansas, is the place. Sale will be held at farm near town. Catalogs are ready to mail. Write at once, as we have no mailing list. Send bids to O. W. Devine if you cannot attend sale.

**SULLIVAN BROS.**  
**MORAN, KANSAS**

COL. LAFE BURGER and COL. SMOCK, Auctioneers.

# HARVEY AND KENNEDY'S BIG TWO DAYS SALE

**J. H. HARVEY'S SELECT OFFERING**  
**At Maryville, Mo., Wed., Oct. 15, 1913**

Fifty-seven Head O. I. C. and Chester White Hogs—29 Boars and 28 Gilts, sired by such boars as Jumbo 2d by the noted 1,210-pound Jumbo, High Style and Seldom Fed. Out of such dams as Barber Girl, Anna, Peach Blossom and other noted Chester White and O. I. C. dams. The breeding and quality of this offering is second to none. Catalogs now ready. I have no mailing list. Mail bids sent to fieldman or auctioneer in my care will receive careful attention and satisfaction guaranteed. Parties from a distance entertained free.

W. J. CODY, Fieldman.

**J. H. HARVEY,**

J. S. KENNEDY'S SALE OCTOBER 16. Attend Two Sales at One Expense.

**J. S. KENNEDY'S GREAT OFFERING**  
**At Blockton, Iowa, Thurs., Oct. 16, '13**

Forty Head Choice O. I. C. and Chester White Boars and Gilts—20 Boars and 20 Gilts, January, February, April and May farrow, sired by such boars as Milligan, first prize boar at Missouri State Fair, 1912; Voyager by Iowa Wonder; Pompos, a Neponset and O. K. Mikado bred boar, and my great young boar, Best Of All. They are out of daughters of such boars as Callaway Dick, Perfection, and other noted sires of the breed. The offering is first class in every way. Catalogs now ready. Bids sent to fieldman or auctioneers will receive careful attention and satisfaction guaranteed. Parties from a distance entertained free.

W. J. Cody, Fieldman. Auctioneers—Thos. E. Deem, M. A. Griffith, W. R. Reed.

**J. S. KENNEDY,**

**BLOCKTON, IOWA**

J. H. HARVEY'S SALE OCTOBER 15. Attend Two Sales at One Expense.

### FIELD NOTES

John B. Lawson of Clarinda, Iowa, is offering bargains in spring boars sired by his great boars, Long King's Equal and A Wonder Jumbo, and out of Mr. Lawson's famous Jumbo sows. If in need of a herd header that will make good, Mr. Lawson has them.

Attention is called to the card of J. W. Priestly in this issue of Kansas Farmer. Mr. Priestly is offering four pure-bred Gallo-way bulls 18 months old. They are good ones and he is pricing them right. If interested, write him at Bolcourt, Kan., mentioning Kansas Farmer.

H. L. Faulkner of Highview Breeding Farm, Jamesport, Mo., and owner of the largest registered herd of big-boned spotted Poland in existence, is having a good trade again this season. Mr. Faulkner holds the record in sales of breeding stock and the demand this year shows that the popularity of the big spotted Poland is increasing from year to year. Mr. Faulkner is prepared to furnish pairs or trios not related; in fact he is headquarters for the spotted Poland and if you want the old fashioned, big-boned spotted kind, write him. He can supply your wants.

N. R. Riggs' Jumbo Orr Sale.

Attention is called to the sale ad of N. R. Riggs of Lawson, Mo., in this issue of Kansas Farmer, on October 16. Mr. Riggs will sell a select offering of forty head of big-type Poland Chinas that will be one of the best lots sold this year. This offering was sired by Jumbo Orr, Long Fellow A, A Wonder Boy and Missouri King 2nd, all of them with records as sires. The dams of the offering are a select lot of Big Columbus, Tecumseh Grand, Mow's Defender, King's Giant, and Jumbo Orr

sows. This is one of the offerings that will have size and quality and breeders will find it one of the great offerings of the season. Catalogs now ready. Please mention Kansas Farmer when writing.

Don't Fail to Attend.

On October 2 the Sullivan Brothers at Moran, Kan., will sell 20 spring boars, 20 spring gilts, 10 fall yearlings and 5 tried brood sows. Among the 20 spring boars are several herd headers that will make large hogs. The spring gilts are extra good and the fall yearlings are show gilts that would win at many of our big fairs. Don't fail to get a catalog and arrange to attend the sale. If you cannot attend, send bids to O. W. Devine, representing Kansas Farmer, in care of Sullivan Brothers.

The preliminary premium list for the International Live Stock Exposition to be held in Chicago November 29 to December 6, 1913, is now ready for distribution. The 6, 1913, is now ready for distribution. The classifications are even more liberal and complete than in the past. This is especially true of the draft horses in harness. Pure-bred mares are not eligible to compete in these classes. In addition to the large cash premiums offered by the Exposition Company very liberal prizes are offered by the various breed associations. A copy of the premium list can be secured by addressing E. H. Heide, Secretary, Union Stock Yards, Chicago, Ill.

J. S. Kennedy's Chester White Sale.

Attention is called to the great offering of O. I. C. and Chester White hogs by J. S. Kennedy at Blockton, Iowa, October 16. Mr. Kennedy will offer 20 boars and 20 gilts of January, February, April and May farrow. They are strictly a high class lot and one of the best that Mr. Kennedy has ever sold. They were sired by such boars as Milligan, first prize boar at Missouri

State Fair, 1912; Best of All, the best boar that Mr. Kennedy raised last year, and a great young boar, Pompos, a Neponset Boy and O. K. Mikado bred boar, and Voyager by Iowa Wonder. They are out of the best sows of Mr. Kennedy's great herd, including daughters of Callaway Dick, Perfection and other great sires of the breed. Dams of a part of this offering topped some of the best sales in 1912. Breeders will find this offering very high class in every way. Send for catalog at once and arrange to attend both Mr. Harvey's and Mr. Kennedy's sale. Please mention Kansas Farmer when writing.

J. H. Harvey's Chester White Offering.

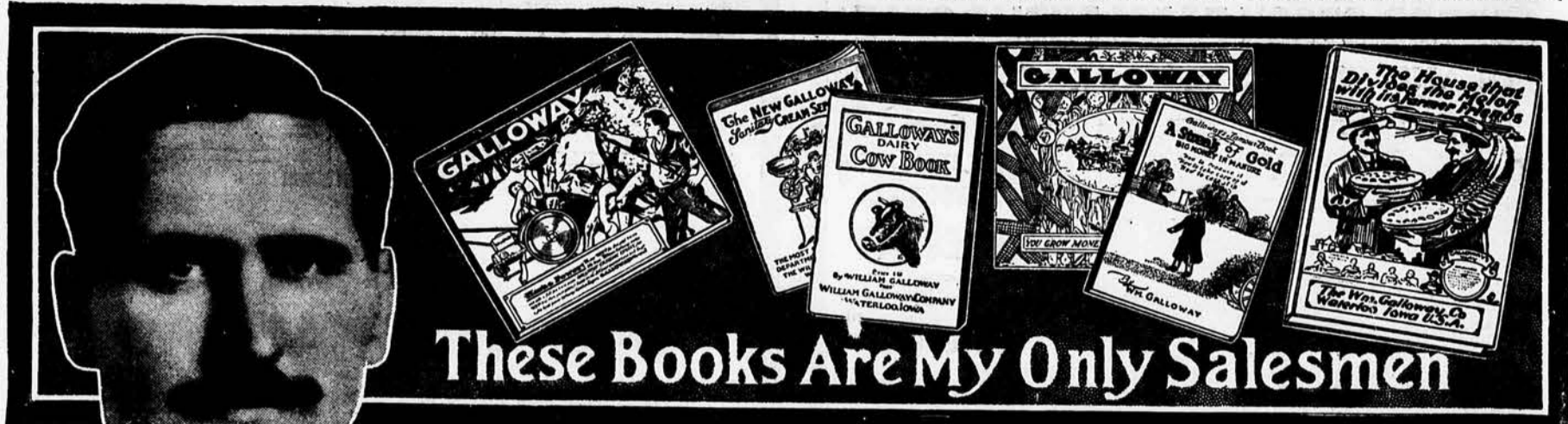
Attention is called to the sale advertisement of J. H. Harvey of Maryville, Mo., in this issue of Kansas Farmer, on October 15. Mr. Harvey will sell 37 head of carefully selected improved Chester White spring boars and gilts. This will be one of the extra good offerings of the season, in fact there will be none better. This lot was sired by such great boars as Jumbo 2nd by the noted 1,210-pound Jumbo, High Style, and Seldom Fed, a trio of the best Chester White sires in service at this time. There will be litters out of such dams as Barber Girl, Anna, Peach Blossom, and other noted Chester White dams. Mr. Harvey has been breeding and selling pure-bred hogs for 35 years. He has sold many fine offerings but has never sold a more useful lot than this one. Write for catalog at once. He has no mailing list. Please mention Kansas Farmer when writing. Mr. Harvey guarantees satisfaction on mail bids. If unable to attend, send bids to fieldman or auctioneer, in his care.

American Royal October 6-11, 1913.

The preliminary entries already received, the word from secretaries of live stock associations, and the comments of exhibitors at other shows, assure the success of the

American Royal of 1913 from the standpoint of exhibits. It looks now, with the show two weeks off, that this Royal will have a larger total number of exhibits than in previous years. Recent rains have washed away the last remaining doubts in the minds of many farmers as to the advantages of immediate extended attention to live stock on the farm. The feed supply is less problematical now, and the lesson of the dry season is the big edge that the live stock farmer has on the man who must sell his farm products. The prospective shortage in beef and mutton animals, and the increasing value of hog property, are arguments added at this moment to the ever-spreading realization that careful, scientific stock farming with animals of good breeding brings the safest returns. The exhibits of breeding cattle promise to equal if not to exceed in number those of last year, the predominance being, as usual recently, in the younger animals. One secretary announces that there will be at least 50 more of his breed shown in this Royal than a year ago, and that two new exhibitors, from absolutely new Royal territory, will enter animals. Other secretaries of breed associations report that their members are keen on the Royal, and that breeders who are getting reputations as producers of profitable animals will be new exhibitors this year. The night shows of the Royal, the big entertainment feature of the week, will be given four nights, October 7 to 10. A light harness and saddle horse show, the equal of any in the West, is promised. And this year some special entertainment features will be added that should prove welcome to the visitors. Chief of these specials is a comedy circus; there will be acrobats, trick horses, and many things to delight the crowds. The bands from the Missouri and Kansas State Agricultural Colleges will supply the music for the shows.





## These Books Are My Only Salesmen

They are the best and cheapest salesmen in the world. They will save you from \$50.00 to \$300.00 on Gasoline Engines; \$35.00 to \$50.00 on Cream Separators; \$25.00 to \$45.00 on Manure Spreaders and from 20 to 50% on hundreds of other articles for the farm, home and family.

Yes, sir; my catalogs are the best and cheapest salesmen on earth. And I can mail any one of them to you for considerably less than what a salesman ordinarily pays for a good cigar—in other words, a two or three-cent stamp pays all the traveling expenses of my Catalog Salesman. My Catalog Salesmen show you just how Galloway Machines are made, the kind of materials they are made of, the sort of high-grade, modern machinery used in their construction, and explain in simple terms our "Square Deal," direct-from-factory, one-profit only, plan of selling. You'll find all my statements and claims in "black and white" always before you. My Catalog Salesmen won't bother you or take up your valuable time when in the field or at work on some important

job, but they are always at hand when you want to consult them. And best of all, they save you big money for they save you all the middlemen's profits. When you buy of Galloway you pay JUST ONE SMALL MANUFACTURER'S PROFIT in addition to the actual cost of materials and labor that enter into the construction of the machine. It's this "short cut"—"direct from factory" plan of selling that makes it possible for me to offer you as high a grade 5 h. p. gasoline engine as there is on the market today for only \$99.50, or a tremendous money saving price is to write for one of my catalogs. THEY ARE MY ONLY SALESMEN. Send for the Catalog you want today. I am making it easy for you to get these books—for all you need to do is just fill in the coupon below, tear off and mail today, for catalog wanted—or just write me a postal.

### Now I am Going to tell You Some Inside Facts about My Business

I haven't any secrets about my business—the more my farmer friends know about it the better I am satisfied. My offices and factories are always open for your inspection. Thousands of my farmer friends and customers visit our big chain of factories every year and see at first hand just exactly the way we build our machines and examine the materials that are used in their construction; then go back to their homes more than ever satisfied that every statement and claim I make about Galloway Made Machines is true. I only wish every farmer in America could see just how Galloway Machines are made. If you could, my factories would have to be enlarged to ten times their present size (7½ acres of floor space) and then couldn't meet the demand. I know it. Because Galloway Made Machines have the merit—that is proven today by the fact that our satisfied customers (over 135,000) can be found in every state in the Union and in over thirty Foreign Countries. Seven years ago the name "Galloway" was practically unknown—today the "Sun never sets on Galloway Made Machines." No big business is built by accident. It's got to have something substantial back of it. Isn't that a fact?

Now, I've enlarged my line this year so that I can supply you with anything you want for the farm, home or family. My big 144-page Merchandise Book is chuck full of bargains on machinery and implements, household furnishings, rugs, carpets, tapestries, linoleums, stoves, furniture, sewing machines, buggies, harness, washing machines, clothing for men, women and children, watches and jewelry—and many other lines—all selling at regular wholesale prices. Get my big General Merchandise Book and let me save you 20 to 50 per cent on the things you buy. It is the big catalog shown at the right at top of page. Write for it today. Just use coupon below.

### The Only Way is the Galloway—Selling Direct from Factory to Farm

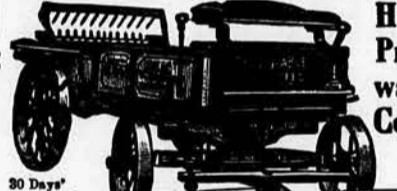
Let me prove it to you. I want to show you just what a man can do for you when he will sell you direct from his own factories to your farm. I want you to see for yourself what an amazing difference it makes in prices when you don't have to pay a lot of middlemen's profits. I want to show you how simple and easy it is to buy by mail the Galloway Way. With every machine backed by a 30 to 90-day Free Trial Privilege—a strictly legal five-year warranty on materials, printed in black and white, that goes out with every machine that leaves our factories—and a \$25,000 Bond that guarantees you right at the start that we will fulfill every claim and statement we make—Now, just consider this plan a minute. Read it over again. Then tell me—Did you ever buy goods of anybody where you had such a perfect guarantee of satisfaction back of them? Never! Then, best of all, I will make you practically any terms you want—on any Galloway Made Machine—terms that our competitors cannot equal and prices never before even approached by competition on strictly standard, high grade machines. That's what it means to buy the Galloway Way—that's why thousands of farmer business men will tell you the "Only Way is the Galloway—Selling Direct from Factory to Farm." Try it and be convinced. Write for the Catalog Salesman you want me to send to you today. Fill in coupon below.



**The Famous Stationary Galloway 5 H. P. Engine. New Low Price Now Only**

**\$99.50**

F. O. B. Waterloo, Chicago, Kansas City or St. Paul  
Your choice of any size or style of the entire Galloway Line from 1¼ h. p. to 15 h. p., mounted or stationary, at prices to match this never-before-heard-of price on my Famous Galloway 5 h. p. Stationary Engine. Yes, sir; I'll let you pick out what you want. I'll let you test it any way you choose you want. I want you to compare it point by point with any style or make of gasoline engine on the market, and I don't care what the other engine regardless of price, and let you keep the engine that suits you best. But, remember, when you buy of me I agree to save you from \$50 to \$300, depending on the size you buy. Can you beat that offer? Never! You can't equal it anywhere. And I've been making just this sort of offer for years and my engine business has grown by leaps and bounds every year. Why? Simply because I am giving my customers a better engine for less money than any other concern in the country. When I sell an engine it helps me sell more right in that section. Remember, on my direct-from-factory plan you must be satisfied or your money will be cheerfully refunded and I will pay all the freight. You take no risk whatever and I back up this offer with a \$25,000 Bond for your complete protection. But the best proof of all are my 35,000 satisfied Galloway engine users.



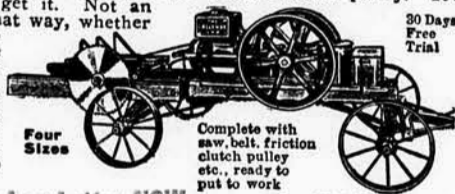
**Here's My New Low Price on the Galloway No. A, 50-60 Bu. Complete Spreader**

**\$69.50**

F. O. B. Waterloo, Chicago, Kansas City or St. Paul  
And right on top of this remarkably low price I will make you this absolutely unheard-of offer. I will send you any one of my seven styles of spreaders to your farm and let you try it absolutely at my own risk without your bank reference. This offer is open to any responsible person, anywhere. Now, that's the sort of confidence I place in my unsurpassed spreaders. Did you ever get an offer like this before from anyone? Never! But I know my spreaders will stand any test you care to give them. My confidence is not based on my own judgment alone, but on the judgment of over 40,000 satisfied Galloway Spreader customers. My new Catalog shows my new, unequalled, low-down, semi-underlung spreader. Get it. Now is the time to write me for I've made the most phenomenal slash in manure spreader prices in history. I've simply gone the limit. I've cut 'em clear to the bone. Yes, sir; you want my spreader prices before you consider buying any other style or make. Get my Spreader Catalog Salesman. Just fill in coupon.

**\$172.50 Buys a Complete Galloway 5 H. P. Portable Wood Sawing Outfit**

That means complete portable engine with detachable saw frame, saw blade, saw guards, belt and belt tightener and 20x6-inch friction clutch pulley. It's ready to put right to work when you get it. Not an extra to buy. All my engines are sold that way, whether stationary, portable, sawing rigs or combination outfits. If you need a fine pumping outfit, combination of engine and power washer, engine and churn, engine and small grinder and a dozen of just such combination small or large power plants, write me now. I am making special combination prices that you can't beat. Get my engine catalog today. Just fill in coupon below.



**\$42.50 That's My New Direct-from-Factory Price on the New Galloway Sanitary 500 Lbs. Cap. Separator**

Now, don't be misled by other concerns making a lower price than this. Note first what the capacity of their machine is then note my price and it's absolutely the smallest size it will pay you to buy. Then I make a 750 and 950-lb. capacity machine. Here's the cream separator you have been looking for. It's the most modern, most sanitary and closest skimming cream separator ever built. It took us three years to perfect, build and market this new incomparable Galloway Sanitary. It hasn't its equal on the market today from any standpoint, regardless of price, and yet I say to you, when you buy it I will save you positively from \$35 to \$50. I am making a special 90-day Free Trial Offer on this wonderful machine because I want every man in the market to give it a good trial entirely at my risk right alongside any other separator built, you to keep the machine that does the best work and suits you best. Get my catalog telling all about my New Sanitary, how it's built, the sort of materials used in its construction, terms, prices, etc. Just fill in coupon and mail to me today sure.



Send This Coupon or a Postal or Letter NOW

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217-A Galloway Station, Waterloo, Iowa

- BOOK OF BARGAINS—144-page book of bargains for Farm, Home and Family FREE
- MANURE SPREADER CATALOG—and valuable book of information "A Streak of Gold" FREE.
- SEPARATOR CATALOG—And Dairy Cow Book FREE
- ENGINE BOOK—and my book "Proof of the Pudding" FREE.

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I want you—the man who is holding this paper in his hands right now—to write me right away. I want an opportunity to convince you by plain, everyday facts and figures that my direct-from-factory plan of selling is the right way—the Galloway. I want the opportunity to prove to you it is the money-saving way. My line today is so big and complete that you are sure to be in the market inside of a few weeks for something I can offer you at a big saving in price. Get my Catalogs and prices before you spend another dollar for anything for the Farm or Family.

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We carry machines in warehouse at Chicago, Kansas City, Council Bluffs, St. Paul and Winnipeg and can ship promptly