

THE FARMERS MAIL AND FREEZE

Volume 43

July 19, 1913

Number 19



Field of Hard Turkey Wheat on Ground Plowed in July at K. S. A. C., Yield 45 Bushels An Acre. Page 3

Double the R. F. D. Circulation of Any Other Kansas Farm Paper

CROPS and FARM WORK

(Crop Reporting Service of Farmers Mail and Breeze.)

KANSAS.

Crawford County—No rain of any consequence since May 21. Corn badly hurt. Second cutting of alfalfa about finished and crop is fair. Grass and stock water scarce. Prairie hay light.—H. F. Painter, July 12.

Pratt County—Wheat making 5 to 25 bushels. Some of good quality and some poor. Considerable listing already done for next crop. Corn in good shape generally but needs rain. Hoppers thick.—J. L. Phelps, July 12.

Dickinson County—Average yield of wheat for this county will be about 15 bushels. Oats very light. Corn looks fairly well but needs rain. Ground very dry. Light crop of potatoes. Pastures dry.—J. G. Engle, July 9.

Wichita County—No rain since May. Everything drying up and what is left the hoppers are taking. No harvest to speak of here. Alfalfa cut once and has never started again. Butter fat 23 cents, eggs 14.—J. E. White, July 12.

Jefferson County—Wheat making about the usual yield. Corn needs rain badly. Corn cultivation about finished. Bugs have gone from wheat and oats to corn and are doing a great deal of damage. Oats about all harvested.—Z. G. Jones, July 12.

Bombard County—Corn still looking good and is clean. Have had some local showers lately and a good crop is in prospect. Oats are short. Sorghum looking good and will make big crop. Hay will make about half a crop. Pastures no good.—G. A. Van Dyke, July 12.

Finney County—Good rain and considerable wind and hail July 4. Not much harvesting here. Sugar beet crop not promising at present. Hoppers very numerous and crops are suffering from them. Stock on range doing well considering flies.—F. S. Coen, July 13.

Hawkins County—Very dry and hot this month. 107 in the shade and 131 in the sun on July 8. Harvest nearly finished. Yield will be light and some fields not cut at all. Quality is good. Corn and pastures need rain badly. Hoppers are numerous.—J. S. Skolout, July 12.

Barber County—Still hot and dry. Corn is silking and is very much in need of rain. Water very low. Wheat making from 10 to 20 bushels. What oats were harvested will make about same yield. Some fields too short to cut. Alfalfa very light on upland.—G. H. Reynolds, July 12.

Lincoln County—Weather hot and windy. Temperatures going as high as 111. Harvest finished and wheat is estimated to make 15 to 20 bushels. Corn at a standstill. Bugs damaging corn and row crops badly. Pastures dry enough to burn. Half crop of potatoes.—E. J. G. Wacker, July 9.

Wade County—Wheat is fair in quality but poor in yield. Will hardly get our seed back. Oats and barley nearly a failure. Crops need rain badly. Corn badly burned. Unless a good rain comes soon feed will be practically a failure. Alfalfa hay \$7, cream 24 cents, eggs 12.—W. A. Harvey, July 13.

Gray County—Harvest about over. Wheat quite good in spite of drought. Threshing begun. Oats cut short and will not make more than 20 bushels. Corn and Kafir growing fine but hoppers eating on them. Potatoes good but yield small. Good acreage of fall wheat to be sown.—A. E. Alexander, July 12.

Johnson County—Dry weather continues and threshing is making rapid progress. Considerable grain stacked. Wheat averaging 15 to 20 bushels and occasionally a field goes to 40 bushels. Oats run from 35 to 50 bushels. Barley corn in tassel. Bugs not quite so bad in corn now.—L. E. Douglas, July 12.

Woodson County—Had 2 to 3 inches of rain July 1 which helped all vegetation but ground was so dry that stock water is still short. Ground getting very dry again and corn is rolling up during the day. Hay crop light and baling will soon be finished. Oats made light yield. Corn 20 cents, oats 50.—E. P. Opperman, July 10.

Stevens County—Harvest about finished. Quite an acreage not worth cutting. Yields will be light. Still no rain and pastures getting quite dry. Stock not doing well. Considerable planting would still be done if rain would come soon. Present outlook is that feed and grain will be scarce this fall.—Monroe Traver, July 11.

Graham County—Harvest over. About half a crop of wheat of good quality. Corn seems to be O. K. yet but hoppers are working on it. Greatest damage from hoppers seems to be in small grain and alfalfa. Stock doing well but pastures show need of moisture. General conditions might be much worse.—C. L. Kobler, July 12.

Wyandotte County—Corn very even and of a fine color. Rains have come just about as needed. Wheat yielding well and grain is heavy. Oats ripening but are short. About half a crop of potatoes. Apples very wormy and falling badly. Peaches and plums heavy. Grapes very promising.—G. F. Esplenlaub, July 11.

McPherson County—Fine rain in northwest part of county made everything look better. Rain badly needed in other parts. Pastures dried up and stock going down fast. Many wells falling. Can get almost any price for corn. Hoppers thick and bugs doing a lot of damage. No potatoes. New wheat 75 cents.—M. D. Waldo, July 9.

Cloud County—Weather hot and dry except where local showers fell. Early corn beginning to suffer. Late corn working stopped by dry weather. Most threshing machines busy and wheat is making 18 to 50 bushels. Pastures getting short but stock still doing well. Feed needs rain. Prairie promises good crop.—W. H. Plumly, July 12.

Seward County—Weather hot and dry. About 40 per cent of wheat, oats and barley being harvested. Kafir, milo and cane need rain. Grass looks dry but stock doing fairly well. Milking, selling cream and

raising stock, the work of the day. Plenty of hoppers but no bugs. New potatoes \$1.10, butter fat 23 cents.—J. W. Rosson, July 11.

Dunlap County—Corn plowing finished and crop looks well. Have had plenty of rain. Most clover sown this spring killed by green bugs. Second alfalfa crop harvested. Wheat yielding 15 to 40 bushels and is of good quality. Oats are good but a lot of smut in them. Fair crop of potatoes. Will have a big crop of apples.—C. Culp, Jr., July 12.

Riley County—Rain needed except in spots where local showers fell. Harvest finished and shock threshing on. Wheat yielding 20 to 25 bushels and one field went

40 bushels. Oats are not very good. Bugs and hoppers bad. Large patches of feed crops eaten up. Corn standing drouth well. Second crop of alfalfa poor.—P. O. Hawkins, July 12.

Ford County—Trace of rain this morning. Harvesting finished and threshing well under way. Yields are about half what farmers expected. No oats or barley. Corn and nearly every other green crop has been taken by hoppers. Ground too dry to plow or list but farmers are disking. New wheat 74 cents, cream 23, eggs 13.—John Zurbuchen, July 12.

Norton County—Wheat heading in progress and some binders being used this year. Poor crop of oats. Forage crops look well. Corn still looks good but will need rain soon to make a crop. Pastures dry but cattle are in good condition. Nice crop of pigs coming on and with corn will have fine lot of hogs to ship from this county.—Sam Teaford, July 9.

Clark County—Hot, dry and windy. About 25 per cent of a wheat crop being harvested. Next year's wheat acreage will be reduced about 40 per cent as farmers are building silos and will grow more spring crops. Spring crops late as much replanting had to be done. Hoppers doing heavy damage. Pastures short but stock is in

good shape. Rain badly needed.—H. C. Jacobs, July 5.

Comanche County—Harvest finished. Wheat yield for county will be about 8 bushels. Very dry here but corn in eastern half of county would still make fair yield if rain comes in a few days. Pastures dry and grass short but most stock has done well. Some plowing being done with gas engines. Too dry for horse plowing.—S. A. DeLair, July 12.

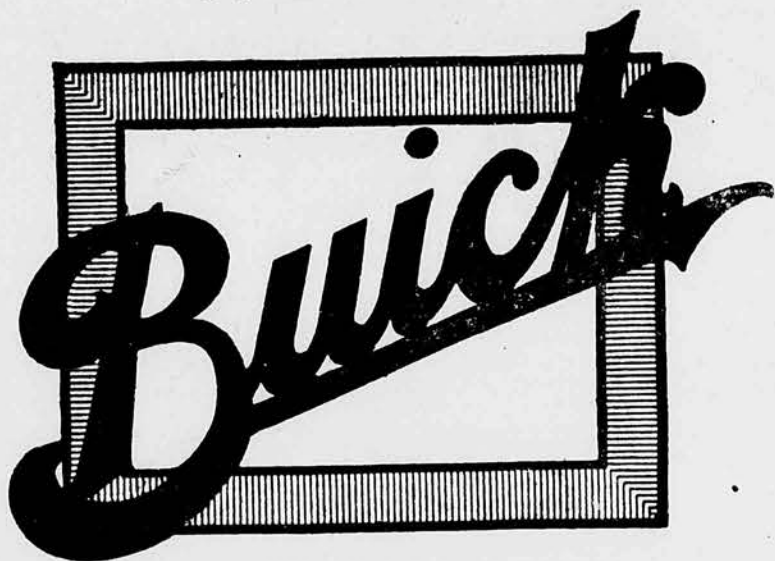
OKLAHOMA.

Craig County—Fine yields of oats and wheat. Corn looks good but needs rain. Hayting begun but crop is light. Big crop of potatoes and gardens doing well.—A. Cochran, July 12.

Kiowa County—Grass greening up again since soaking rain of July 23. Lot of damage being done by chinch bugs. Stock doing well. Plenty of old feed left. Cane doing fine.—Mrs. Alice Henderson, July 9.

Payne County—Good shower today but more rain is needed. Heavy rains June 30 and July 1. Corn looks fine and with a few more rains will make a good yield. Oats averaging 25 bushels. Fair crop of early potatoes. Eggs 11 cents, butter fat 21.—A. M. Leith, July 12.

Every Moving Part Fitted
to a Hair's Breadth



Would you go to a tailor for a suit of clothes if you knew he bought the goods in Chicago, had the coat made in Lincoln, Neb., the vest in St. Louis, Mo., and the pants in Springfield, Mass., and that all he did was to put in the pockets and sew on the buttons?

The motor car company which is going to be in business five years from now is the concern that builds its own product from the ground up. They can build it cheaper and they can build it better. You want a car, don't you, that is backed by a company that won't be quitting business about the time you are needing some mechanical replacements?

What are acknowledged as the best motor cars on the market? Name them over. Aren't we right? Aren't they the cars built by the concerns that sell them?

The Buick Motor Company builds everything from the ground up. We are building a motor car that sells, and it sells because it is a good car, a powerful car, a durable car, and economical car.

What a Buick has done for others, a Buick will do for you.

Write Department M for Catalog.

BUICK MOTOR COMPANY
KANSAS CITY, MO.



THE FARMERS MAIL

AND BREEZE

AN AGRICULTURAL AND FAMILY JOURNAL FOR THE PEOPLE OF THE GREAT WEST



Volume 43
Number 16

TOPEKA, KANSAS, JULY 19, 1912.

Subscription
\$1.50 a Year

PROOF JULY PLOWING MAKES THE BIG WHEAT CROP

Editor's Note—These striking results worked out on poor upland soil at Kansas Agricultural college demonstrate that July plowing will yield approximately 2.12 more bushels of wheat an acre than August plowing. That August plowing has and may be expected to produce 15.28 more bushels of wheat an acre than September plowing. And that deep plowing (7 inches) has this season made an increase of 13 1-2 bushels an acre in yield. But above these facts is the actual, demonstrated proof that nearly 23 bushels more wheat to the acre can be grown on rotated land than the same methods will produce on land cropped continuously. Also that in western Kansas from twice to three times as much wheat an acre can be grown by summer-fallowing than by the crop-every-year method. Nothing from the college in recent years has contained as much important practical information for wheat raisers as this article by the head of its crops and soils department.

WHEAT yields varying from 9 1-3 to 44 2-3 bushels an acre, due wholly to different methods of preparing land before seeding, is the result of an experiment at this station this year. This is the third year in succession that similar and equally striking variations have occurred.

Eleven methods of preparing land continuously to wheat were compared. Following are the results for this year:

1. Land disked at planting time but not plowed, produced 9 1-3 bushels of wheat an acre and returned \$5.51 after paying for the cost of preparing the ground.
2. Land plowed 3 inches deep September 15 (a common practice among farmers) and prepared for

Much More Wheat by Rotation Than by Steady Cropping—Twice as Much by Fallow in West Kansas

BY L. E. CALL

Head of Crops and Soils Dept. K. S. A. C.

seeding at a cost of \$2.40 per acre, produced 16 1/2 bushels an acre, returning \$10.71 more than cost of preparation.

3. Land plowed 7 inches deep in September, at a cost of \$2.90 an acre to plow and prepare, made a yield of 17 1-2 bushels and a return of \$11.14 over expense of preparation.

4. Land double-disked July 15 to kill weeds and stop evaporation of moisture, plowed 3 inches deep September 15, expense of preparation \$3.60 an acre; yield 27 1-2 bushels, worth \$18.42 more than cost of work.

5. Land plowed August 15, 7 inches deep, worked thereafter sufficiently to kill weeds and maintain a soil mulch, yielded 32 3-4 bushels an acre, cost of preparation \$3.55, return \$22.71 over cost of preparation.

6. Land plowed August 15, 7 inches deep, not worked until September 15, produced an acre yield of 28 3-4 bushels, a return of \$20.14 after deducting \$2.90 an acre, the cost of preparation.

7. Land double-disked July 15, plowed August 15, 7 inches deep, cost \$4.75 an acre to prepare, produced 29 3-4 bushels, or \$19.12 more than cost of work.

8. Land plowed July 15 (the right time), 3 inches

deep (too shallow for best results) produced 21 1-2 bushels of wheat an acre, or \$12.90 above cost of preparation.

9. Land plowed July 15, 7 inches deep, produced 35 bushels an acre, the highest yield of the continuously cropped plots; returning \$23.11 more than cost of preparing the land, which was \$4.85.

10. Land listed July 15, 5 inches deep, worked down level within the following month, to avoid loss of moisture and firm the seedbed, produced an acre yield of 27 3-4 bushels an acre—cost of preparation \$3.35, leaving \$18.89 over expense of preparation.

11. Land listed July 15, 5 inches deep, ridges split August 15 (double listing) gave a yield of 29 1-2 bushels an acre, valued at \$19.82 above cost of preparation.

Five methods of preparing land for wheat, where wheat was grown after oats in rotation with corn and oats, were compared and gave these results:

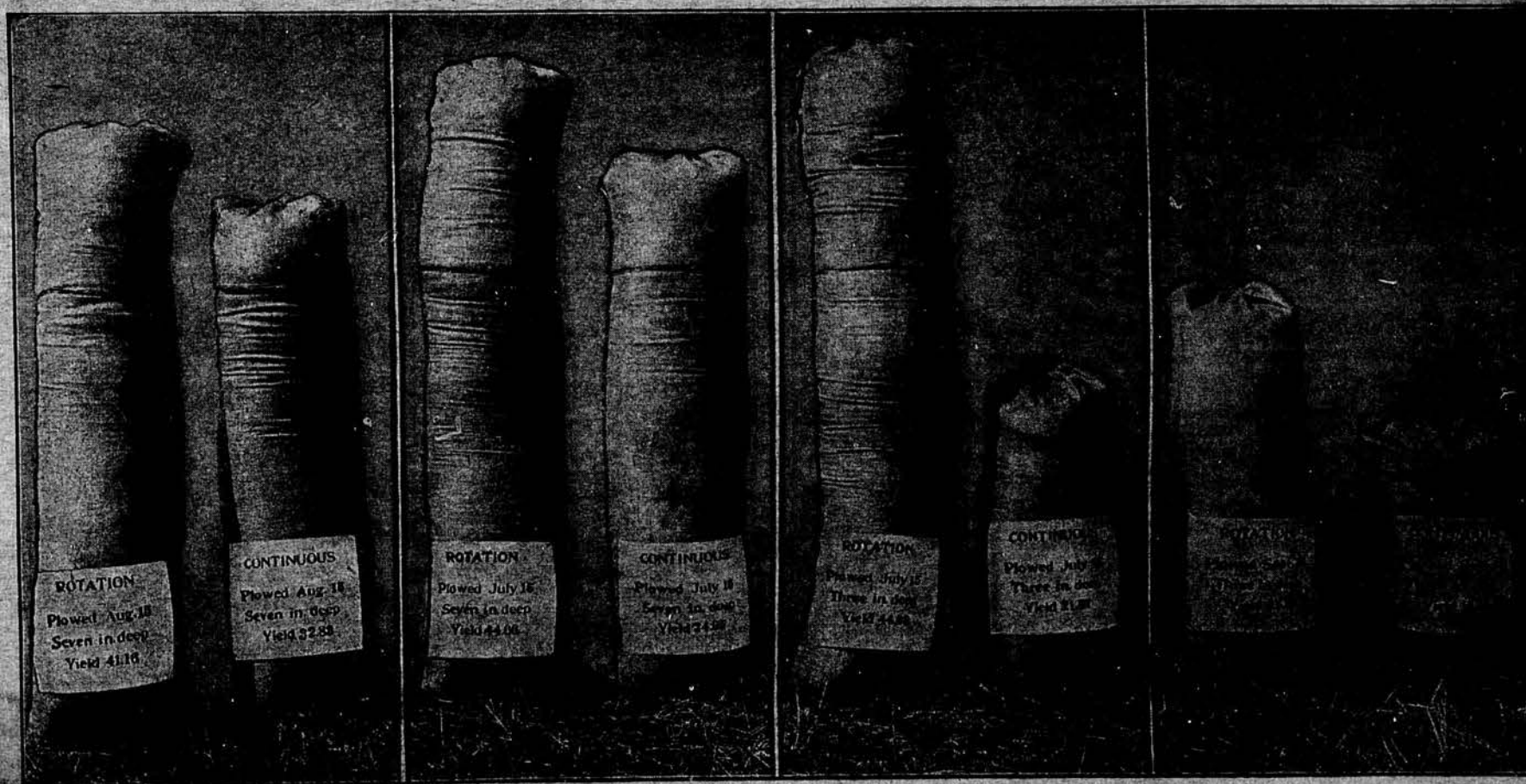
1. Land plowed September 15, 3 inches deep, produced 25 1-2 bushels an acre, valued at \$18 above cost of preparation.

2. Land plowed August 15, 7 inches deep, gave 41 bushels an acre, leaving \$29.37 after paying \$3.55, the cost of preparation.

3. Land plowed July 15, 3 inches deep, gave an acre yield of 44 bushels, cost \$4.35 to prepare, leaving a net return of \$30.91.

4. Land plowed July 15, 7 inches deep, produced 44 2-3 bushels an acre, the highest yield in the experiment, cost \$4.85 per acre for preparation and returned \$30.88 an acre over cost of production.

(Continued on Page 7.)



The sacks show a comparison of yields with wheat grown under continuous cropping and by rotation with corn and oats. Also of the effect on yield of early medium or late plowing. The same methods of preparing the land were used both on the land continuously cropped and the land rotated. The results are set off in the illustration. The third pair of sacks shows nearly 23 bushels more wheat to the acre was grown on rotated ground. Notice the difference made by July, August and September plowing as exhibited by the sacks. Each sack contains the wheat produced on a tenth acre.

The Farmers Mail and Breeze

PUBLISHED WEEKLY AT
Eighth and Jackson Streets, Topeka, Kansas.

ARTHUR CAPPER, Publisher. T. A. McNEAL, Editor

A. L. NICHOLS, Associate Editor.

E. W. RANKIN, Advertising Manager.

Editorial Contributors.

F. D. COBURN, PROF. W. M. JARDINE,
PROF. A. M. TEN EYCK, PROF. A. H. LEIDIGH,
PROF. CHARLES DILLON, PROF. L. E. CALL,
PROF. O. E. REED, PROF. W. A. COCHEL,
PROF. H. F. ROBERTS, PROF. ALBERT DICKENS,
PROF. J. T. WILLARD, PROF. W. A. LIPPINCOTT,
PROF. C. A. SCOTT, DR. F. S. SCHOENLEBER.

Department Editors.

FARM CROPS - A. H. Leidigh. FARM DOINGS - Harley Hatch
LIVESTOCK - Frank Howard. VETERINARY - F. S. Schoenleber
DAIRY - A. G. Kittell. THE MARKETS - C. W. Metsker
SWINE - E. J. Waterstripe. HOME DEPTS. - Mabel Graves
HORTICULTURE - M. Mathewson. POULTRY - Reese V. Hicks.

SUBSCRIPTION RATES. . . . One Year, \$1.00

ADVERTISING RATES.

40 cents per agate line. 104,000 circulation guaranteed.

No liquor nor medical advertising accepted. By medical advertising is understood the offer of medicine for internal human use.

Entered as second-class matter Feb. 18, 1906, at the postoffice at Topeka, Kansas, under the act of Congress of Mar. 3, 1879.

OUR ADVERTISEMENTS GUARANTEED.

The Farmers Mail and Breeze does not accept false or fraudulent advertising or other advertising of an objectionable nature. Every advertisement in its columns is printed with full confidence in the character and reliability of the advertiser and the truth of the representations made. Readers of the Farmers Mail and Breeze will confer a favor if they will promptly report any failure on the part of an advertiser to make good any representation contained in a Farmers Mail and Breeze advertisement.

SPECIAL NOTICE TO ADVERTISERS.

Changes in advertisements or orders to discontinue advertisements must reach us not later than Saturday morning, one week in advance of the date of publication. We begin to make up the paper on Saturday. An ad cannot be stopped or changed after it is inserted in a page and the page has been electrotyped. New advertisements can be accepted any time Monday. The earlier orders and advertising copy are in our hands the better service we can give the advertiser.



PASSING COMMENT

by T. A. McNeal

THE PROGRESSIVE ILLINOIS FARMER.

Three farmers met and became acquainted at an eastern fair and each was boasting of the marvels of his respective state, says the Chicago Tribune. The Kansas farmer began it. "Why, fellers, out my way a farmer has discovered how to raise smellless onions, seedless cantaloupes and succotash by grafting corn and beans."

"And up my way," vouched the farmer from Minnesota, "a farmer has invented a machine where he can harvest, bind and thresh his wheat, grind it into flour, and turn out fresh bread in 30 minutes. Now he is using a new fertilizer that matures wheat so fast that he is about ready to monopolize the bread trade of the state."

"Well," said the retiring man from Illinois, "it is wonderful what progress we are making. Down my way the state is growing so fast that farms will soon be a thing of the past. But I have a friend who has a great eye for the future. His farm is on an automobile speedway and he has just built a beautiful tourists' rest, where he serves the finest milk punches in the country."

"But that ain't got nothing to do with progressive farming," ventured the man from Minnesota.

"I know it ain't, but it's the way he makes 'em. He feeds his cows fermented bran and when an auto stops, he just goes out to the pasture and draws the milk punches fresh off tap."

"Waal," drawled the farmer from Kansas, "I guess the sodywater is on me."

MR. DIESEM ON FREE SUGAR.

Mr. I. L. Diesem, of Garden City, at one time president of the state board of agriculture and a very reputable and capable man, is earnestly opposed to free sugar.

Of course Mr. Diesem lives in the vicinity of the great sugar mill and his views would naturally be influenced to some extent by self interest, but I have no doubt concerning his honesty, and his opinions are worthy of consideration. He is convinced that the fight on the sugar industry in this country is being waged by the seaboard refiners, who produce nothing but who buy raw material abroad and refine it in this country. The refiners were without competition until the beet sugar industry in this country grew from producing 35,000 tons of sugar in 1898 to an output of 606,033 tons in 1911.

If the refiners by their campaign going back over several years, can crush the beet sugar industry by securing the removal of the tariff, they can as they once did, fix the price of sugar to suit their fancy. Beets have forced down and kept down the price of sugar.

In 1880 the price of sugar in the United States was \$9.80; in 1890 the price was \$6.27; in 1900 it was \$5.32; and in 1910 the average was \$3.97.

An example of what the refiner could and would

do is to be found no longer ago than 1911, when the shortage of the sugar crop in Europe gave the refiners their opportunity to run the price in this country up to 7 cents—until the beet sugar of this country went into the market and the price fell back.

I have always favored free sugar, believing that it would mean cheaper sugar for the masses of the people. I also believed that our beet sugar factories would be able to stand on their feet and prosper reasonably well in free competition with foreign producers of sugar.

If I am mistaken, and if, as Mr. Diesem believes, the result of free sugar will mean the destruction of the beet sugar plants and then a higher price for sugar to the consumer I most certainly shall be against free sugar, or rather I shall be most earnestly in favor of restoring the duty on imported sugar.

It is now certain that the bill placing sugar on the free list after three years will become a law in a few weeks. While a majority of the senators are at heart against that provision, enough of them are going to vote for it to pass it and then will come the test. It may prove that Mr. Diesem is right or it may prove that he is wrong. If he is right every sensible man will be, or ought to be, in favor of restoring the duty. If he is proven wrong by experience that will close the controversy.

JACOB COXEY.

Twenty years ago Jacob Coxey, of Ohio, suddenly became one of the most talked of men in the world. Up to that time nobody outside of his immediate neighborhood, or at most a limited part of the state of Ohio, had ever heard of Jacob. His neighbors knew him as a prosperous quarryman at Massillon, who had accumulated a comfortable fortune. He was a kindly sort of man, not a loud-mouthed agitator, who spent his time on the street corners discoursing on the woes of mankind and the general delinquencies of society. But Jacob was an idealist and considerable of a thinker.

Just at that time conditions were especially bad so far as laboring men were concerned. There was a vast number of men out of employment. While it is quite possible that many of them were out of work as the result of their own inefficiency and many were tramping because they would rather tramp than work, the fact remained that many thousands were out of work from necessity and not from choice. He believed that he had a plan by which all men who wanted to work could be given the opportunity.

His plan in brief was to organize a system of public work, principally the making of public roads under government direction, which would give every able bodied man who wanted to work, the opportunity.

He conceived the notion of gathering an army of idle men and marching to Washington to demand that congress furnish them with employment. It was probably a quixotic notion. It was hardly probable that congress would at once yield to the demands of Coxey and his army, but there was a certain object lesson in it.

This was probably what Coxey really had in mind when he rode at the head of his nondescript and ragged army to the national capital and succeeded in getting himself arrested for trespassing on the grounds about the capital building.

With the coming of better times Coxey was almost forgotten. He went back to his business and it seems has managed to add considerable to his worldly possessions, so that he is now counted as a rich man. However he has never given up his idea. And it seems that the seed sown 20 years ago has taken root and grown.

There is now much talk about building government roads. Senator Poinexter, of Washington, has introduced a bill which if it should become a law would put the Coxey idea into operation. The Poinexter bill provides that the government shall organize a system of public works, the building of roads being a leading feature, by which the government shall provide work for every able bodied man not otherwise employed, at a wage of \$2 per day. And this proposition now does not excite loud and derisive laughter as it did when Coxey proposed it 20 years ago. And why not?

Almost everyone will acknowledge that every man born into the world is entitled to a fair opportunity to earn his living and not only to earn a living, but to earn wages that will enable him to live in at least moderate comfort. Furthermore, it is now recognized that a large number of idle and hungry people is a menace to society. Idleness begets crime and makes criminals.

And more than that, the burden for caring for both the criminal idle and those who are compelled to be idle because they cannot find work, falls on society. Certainly it would seem better that society or government, should furnish the opportunity for its able bodied citizens to earn fair living wages and retain their self respect than to make them beggars or criminals.

Again, if the government should establish a system by which every person willing to work at fair wages would have the opportunity, there would no longer be any excuse for able bodied mendicants. They could be given the alternative of earning a decent living by honest labor or starving if they were not willing to do that.

Coxey is still active in spreading his propaganda. Ohio now has the initiative and referendum and he has started a petition to initiate a law or rather an amendment to the constitution of the state, which

will permit the state to issue 100 million dollars in bonds in denominations of \$1, \$2, \$5, \$10, \$20, \$50 and \$100, bearing interest at the rate of 1/2 of 1 per cent per annum and running for 25 years.

These bonds shall be used in the building of roads and bridges throughout the state. The bonds will be non-taxable and will be received in payment of state, and other municipal taxes and in the payment of private obligations within the state.

The state is to levy a tax amounting to 4 million dollars per annum which will be used in redeeming the outstanding bonds, so that the entire amount will be taken up and redeemed in 25 years.

Coxey has a further plan of government banks that will lend on real and personal security at the rate of 6 per cent per annum. Four per cent of the 6 will be used to reduce the principal of the loan, the other 2 per cent will go to the government to first pay the expenses of issuing and lending the government currency and as revenue for the payment of government expenses.

In this way the borrower would extinguish his loan entirely in 25 years and would be reducing his interest payments each year.

NOT READY FOR WAR.

I have been reading the speech of Mr. Roosevelt at the Progressive conference recently held in Massachusetts. There were many good things in that speech, as there always are in speeches made by Roosevelt.

His ideas on the betterment of social conditions are fine. His criticism of courts I agree with. But when it comes to the constant enlargement of the army and navy I cannot agree with him at all. The more I study the matter the more convinced I become that he is wrong.

His theory is that we must be ready to go out and fight any nation on the face of the earth. He believes that the only way to insure peace is to be constantly ready to fight. Common sense and common experience repudiate such a doctrine. The individual who is always ready to fight is the one who gets into the most quarrels and nations are simply aggregations of individuals.

The present brutal strife among the Balkans is an object lesson that proves the fallacy of the Roosevelt reasoning. The Balkan nations were ready for war. They had been steadily preparing for it for years. They had strained their financial resources to the utmost in order to prepare for the struggle. Every man fit to bear arms was impressed into the service and trained for battle. The people talked war, thought of war and slaughter and little else.

It did not preserve the peace. It hastened the conflict. And is the world better on account of it? Turkey has been conquered. The power of the sultan has been broken and it was heralded as a triumph of Christianity over Mohammedanism. If that is a demonstration of Christianity then God save the mark.

The continual talk and preparation for war has brutalized the conquerors and cultivated their most violent and cruel passions. As soon as the common enemy was overthrown these supposedly Christian peoples turn with maniacal fury on each other and madden by their thirst for blood commit the most unspeakable atrocities. Men are massacred in the presence of their wives and children. Women are subjected to unspeakable outrage and even the Turk becomes respectable in the eyes of the world by comparison with his recent conquerors.

Are these Serbs and Bulgarians and Greeks a race of heartless savages by nature? No. The Bulgarian peasant is a hard, working, peaceable and rather intelligent man when in his natural state. Millions of the Serbs and Greeks and Bulgarians have migrated to this country and proven themselves industrious, thrifty and law-abiding as a rule. They are only cruel savages when their passions are stirred.

In man are two contending forces, one kindly, generous and sympathetic, the other brutal, savage, unspeakably cruel. Even the most civilized and cultured among men when once their brutal passions are aroused become more fierce and cruel than the man-eating tiger of the jungles.

War and preparations for war tend to stir up and keep alive the worst passions of men. We are all more or less creatures of habit and influenced by suggestion. The sight of guns and battleships suggests the thought of killing and mangling the bodies of our fellow creatures supposedly fashioned after the image of God.

Our navy is not ready for action, says Roosevelt. Well, thank God for that. We are a good deal less liable to have trouble because of the fact that it is not ready than if it were ready. But it is costing us a lot of money to keep up a navy that is not ready, a navy that is largely prepared only for dress parade, if the statements of experts are to be believed.

This navy that is not ready, is costing the people of this country \$400,000 per day or \$2,777 every minute. That means the wages of 276,210 average American workmen, and is about 10 times as much as all the states of the Union spend on their state universities, their technical colleges and industrial schools.

This navy that is not ready costs us enough money every year to build eight transcontinental highways from the Atlantic to the Pacific ocean at a cost of \$3,000 per mile. If you add to that what we are spending on our standing army, which the experts also say is not ready, and which under present management is filling the country with deserters, young

men branded with the brand of disgrace, it would build eight more magnificent highways reaching from the Canadian border to our southern line.

War navies and standing armies breed a desire for fighting. The officers and men grow weary of the inaction of army posts. They long for the opportunity to win fame and promotion on the field of battle.

Trying to keep armies and navies ready is what threatens the peace of Europe and is bankrupting the nations of the world. It is breaking the back of labor which is forced to carry the load. It is contrary to the fundamental principles of Christianity. It impoverishes and brutalizes humanity and makes our boasted civilization a mocking and a byword.

THE AGRICULTURAL DEMONSTRATION AGENT.

Among some farmers there is still a prejudice against the agricultural college demonstration agent. They believe he has imbibed a lot of impractical theories which he is trying to work off on the farmers, who perhaps were tilling the soil before he was born. It may be true that some of these demonstrators are impractical theorists but it is equally true that many of them are earnest students of soil problems and they can and want to be of practical help to farmers.

Western Kansas presents some of the most perplexing problems in the way of farming that can be found anywhere. A plan of farming that seems to do fairly well one year does not work at all the next. I remember an old saying when I was a boy on the farm that all signs failed in dry weather. That applies emphatically to western Kansas. So the wise demonstrator will be mighty careful about giving positive advice to farmers out there. Recently Edward C. Johnson, superintendent of farmers' institutes and demonstrations for the Kansas Agricultural college, delivered an address before the Kansas Farmers' Dry-Farming association at Garden City. It occurs to me that there is some meat and value in his suggestions and therefore I give them space. Speaking of the plan that must be pursued in the arid belt in order to stand a reasonable chance for success. Mr. Johnson says:

The first thing that must be considered to insure success is correct tillage methods, methods by which the land is put in condition to receive the moisture when it comes and to prevent its evaporation after it has been received. Though many mistakes have been made in the application of such methods, it has been demonstrated that fall preparation or very early spring preparation by disking or listing of the land for intertilled crops, such as sorghums and corn, is highly beneficial. It has been demonstrated also that for this country methods of summer tillage, with tools which do not pulverize but leave the ground in the rough, should be employed at least once every three or four seasons to put the ground in good physical condition, to conserve moisture and to liberate plant food.

Second, in place of growing the small grains, wheat and oats exclusively, which at the best are uncertain crops in western Kansas, more drought-resistant crops, such as Kafir, milo, the sweet sorghums and broomcorn, must be grown. It is probable that other crops, such as the Sudan grass, Sweet clover, the Spanish peanut and the Mexican bean may prove exceedingly valuable but their use in western Kansas thus far has been largely experimental and not general.

Third, in order to secure a proper market for both forage and feed, these crops should be fed upon the land to dairy or beef cattle, sheep or hogs, and disposed of in concentrated livestock products such as cream, butter, beef, hogs, mutton or veal.

Fourth, if forage and feed crops are to be economically used and bring the largest returns possible, silos are necessary; both to provide succulent feed during fall and winter and to tide over periods of drought when otherwise cattle would be starved or sold at a loss.

Fifth, if agriculture in the region is to be permanent, if the virgin fertility and moisture-containing capacity of the soil is to be maintained, and if soil blowing is to be prevented, the fertility and humus must be conserved by proper crop rotation, the use of barnyard manure and straw and the utilization of green manure crops. This is really one of the most difficult things to put in practice for the whole western country, as manure and straw decay slowly in semi-arid climates and must be used with care so as not to injure the crops immediately succeeding. That it is absolutely necessary, however, to maintain the humus is demonstrated by the fact that when it is lacking, soil blowing always threatens, water is absorbed very slowly and in limited quantity, the run-off after torrential rains is tremendous and evaporation is extremely rapid. That the fertility also must be maintained is demonstrated by the fact that the poorer the land the greater is the quantity of water necessary to produce a crop. When the soil is rich, the soil solution which feeds the plants is rich in plant food and therefore it takes less water to bring a certain amount to the plant than when the solution is too thin. A poor soil, therefore, is more subject to drought than a rich soil.

Sixth, every farm should have two or more dairy cows, not only to provide milk and butter for the table the year round but to be a constant source of income by the production of milk and cream.

Seventh, poultry is cheaply produced on any farm where feed crops are grown and cattle are fed and is as easily produced in western Kansas as in any other part of the state. Every housewife appreciates the value of poultry products and the wonderful help they are in supplying the table all the year round.

Eighth, the home garden is absolutely necessary for economical living and experience has shown that a successful garden is possible in semi-arid climates by proper cultivation, winter flooding and summer irrigation of the small plot by wind-mill or engines.

These things are elementary and fundamental and must be emphasized again and again. The demonstration agent in western Kansas helps to emphasize them and to convince the skeptical that

if fundamentals are observed a full and rich living is possible even in this region. To lay down hard and fast rules for the guidance of the dry-land farmer is not within the province of any man and is not attempted by the demonstration agent. Each one must rely largely upon his own judgment, experiences and observation but if he is willing to learn he can receive many suggestions from the man who knows the results of the different experiment stations, who travels from one county to another; from place to place, notices the methods of farming in the different regions and becomes acquainted with all the agricultural practices both good and bad. Suggestions are valuable to every man with intelligence and those who are progressive, are always willing to receive them. That suggestions are willingly received is shown by the fact that one of the agents in western Kansas has obtained 40 or more co-operators to put into practice one or more of the fundamental methods of soil handling and crop growing here mentioned. Each one has already been instrumental in getting a number of farmers to put up silos. Each one has aroused far greater interest in dairy cattle and better beef cattle than has existed heretofore. In addition one man has been instrumental in shipping in a large quantity of suitable Kafir, milo and sorghum seed to be planted in place of corn. One has contracted for the production in his district of 10,000 pounds of seed of Sudan grass, 500 bushels of feterita, 450 bushels of Gold Mine millet, 400 bushels of Red Amber sorghum, 27,000 pounds alfalfa seed and 500 bushels of Dwarf Kafir, the greater part of which will later be distributed to responsible persons over western Kansas. Numerous other activities of the demonstration agent might be mentioned, such as an investigation of the possibilities of the pit silo, supervising the construction of cement silos, lecturing before teachers' institutes and promoting boys' and girls' club work.

Whenever the demonstration agent can be useful, he plans to help.

It is his duty and the duty of all of us who have anything to do with this western country, to promote its welfare in every way possible, to be helpful to those who are already here and to those who are to come. Every one who has had experiences in the country loves its bracing climate, its rolling plains, its magnificent distances, deep blue sky and wonderful nights. If its agriculture can only be placed on a permanent basis and, through the united efforts of farmers, experiment stations and demonstration agents there are wonderful hopes for so placing it, it should make a home equal to any in our land.

BRISTOW'S AMENDMENT TO CURRENCY BILL.

On last Wednesday Senator Bristow gave notice that he would offer the following amendments to the currency bill:

Amendments intended to be proposed by Mr. Bristow to the bill (S. 2639) to provide for the establishment of federal reserve banks, for furnishing an elastic currency, affording means of rediscounting commercial paper, and to establish a more effective supervision of banking in the United States, and for other purposes, viz:

On page 19, line 24, after the word "purposes," insert, "and notes and mortgages representing farm loans made as provided for in section 27 of this act," and on page 20, in line 10, strike out the period and insert a comma and the words "except in the case of farm mortgages," so that the paragraph as amended will read:

"Upon the indorsement of any member bank, any federal reserve bank may discount notes and bills of exchange arising out of commercial transactions; that is, notes and bills of exchange issued or drawn for agricultural, industrial, or commercial purposes, and notes and mortgages representing farm loans made as provided for in section 27 of this act, the Federal Reserve Board to have the right to determine or define the character of the paper thus eligible for discount, within the meaning of this act; but such definition shall not include notes or bills issued or drawn for the purpose of carrying or trading in stocks, bonds, or other investment securities, except notes or bills having a maturity of not exceeding four months and secured by United States bonds or bonds issued by any state, county, or municipality of the United States. Notes and bills admitted to discount under the terms of this paragraph must have a maturity of not more than 45 days, except in the case of farm mortgages."

On page 25, line 14, after the word "notes," strike out the word "and" and insert a comma; in the same line, after the word "bills," insert the words "and farm mortgages"; so that the paragraph as amended will read:

"Any federal reserve bank may, upon vote of its directors, make application to the Federal Reserve Board, through the local federal reserve agent, for such amount of the treasury notes heretofore provided for as it may deem best. Such application shall be accompanied with a tender to the local federal reserve agent of collateral security to protect the notes for which application is made, equal in amount to the sum of the notes thus applied for. The collateral security thus offered shall be notes, bills, and farm mortgages accepted for rediscount under the provisions of sections 13, 14, and 15 of this act, and the Federal Reserve Board shall be authorized at any time to call upon a federal reserve bank for additional deposits of security."

On page 38, in lines 16 and 17, strike out the words "nine months" and insert in lieu thereof the words "five years," so that the paragraph as amended will read:

"That any national banking association not situated in a reserve city or central reserve city may make loans secured by improved and unencumbered farm lands, and so much of section 5137 of the Revised Statutes as prohibits the making of such loans by banks so situated shall be, and the same is hereby, repealed; but no such loan shall be made for a longer time than five years, nor for an amount exceeding 50 per cent of the actual value of the property offered as security, and such property shall be situated within the federal reserve district in which the bank is located. Any such bank may make such loans in an aggregate sum equal to 25 per cent of its capital and surplus or 50 per cent of its time deposits."

Addressing the senate on the subject matter of these amendments Mr. Bristow said:

Mr. President, in this connection I desire to say that the amendments which I propose authorize national banks to loan money on farm mortgages

that run for a period of not more than five years and authorize such securities as a basis for circulation. I offer these amendments now and desire to state that if any legislation is enacted providing for an asset currency I intend to insist that long-time farm loans shall be included as securities which may be used as a basis for such currency. A farm loan conservatively made is as good a security as can be had. The farm is the very basis of our national prosperity. We are now having learned discussions in regard to various systems of farm credit, the purpose being in some way to reduce the burden of interest which the farming population of our country is now bearing. To make farm mortgages the basis for circulation would certainly reduce the rate of interest for such security.

United States bonds bearing 2 per cent, with circulation privileges, have been selling at a premium for many years. They sell as readily as 3 per cent bonds without the circulating privilege. It is proposed in this bill to make provision by which the banks may hypothecate short-time paper of business men as a basis for additional currency. The success of nine-tenths of the business men whose notes are thus hypothecated depends upon the prosperity of the American farm. Unless the farmer succeeds and the land yields its harvest the notes of these business men are worthless. Yet men tell us that the mortgage on the farm itself, the very foundation of our entire business structure, is not a desirable security as a basis for circulation. Such an argument, in my opinion, is unsound. I am against the bill as it is drawn. It is a strained effort to satisfy the so-called "Money Trust" and the financial inflationists. It is a combination of the conservative with the radical theories in such a manner as to contain the objectionable features of both systems.

I expect to offer many other amendments to the bill, but the discussion of other features I shall take up when it is more properly before the senate. I ask that the amendments be printed and referred to the committee on banking and currency.

But if it is true as Senator Bristow says, that a farm loan conservatively made is as good a security as can be had, and if the government through the federal reserve banks is to permit the banks to deposit those mortgages as security for currency issued by the government, why should not the farmer be permitted to deposit his own security without the intervention of the bank and get his loan direct?

TAKES ISSUE WITH SOCIALIST.

Editor Mail and Breeze—I notice in your Passing Comment of June 28 a Socialist's view of the tariff. He concludes by saying that Socialists are against the tariff, but are in favor of this great wealth—that is produced being distributed under the people who produced it.

What does he mean by under? If his plan could be carried out it would paralyze almost every industry of our land. We have a few men who seem to have a better insight, a better vision of things than the general public has. The great mass see nothing but the desert, or the mountains and hills. Nothing that appeals to them as offering special opportunity. But the man with insight and vision sees something the other fellow does not see. He is also willing to risk everything he has, his money, his credit, his all in order to develop the great wealth he thinks he sees. He offers everything he has as an inducement to get help to develop this wealth. He makes it possible for the other fellow to get a good thing, better than it would have been possible for him to get without the courage and enterprise of this man of vision. The means and credit of the man who sees possibilities that others do not see may not be sufficient to put his enterprise on its feet. He fails, not because his idea was not good, but because of lack of means or credit. In such case the other fellows who were not willing to take any risks and who could not see the possibilities have no sympathy for the man who risked his all. But if he succeeds some of the fellows who were not willing to take any of the risk themselves, want the successful man to divide his product with them. Is that a fair deal? Is that the best way to bring about the development of the country?

H. C. MORGAN.

Leon, Kan.

A COMFORTING HOT WEATHER ODE.

The following verses are appearing without the signature of the author. It may have melted off. They may have been written by Walt Mason or by somebody else, but at any rate they ought to afford some comfort when the thermometer indicates 100 in the shade:

Consider Mr. Shadrach,
Of fiery furnace fame:
He didn't bleat about the heat
Or fuss about the flame.
He didn't stew and worry,
And get his nerves in kinks,
Nor fill his skin with limes and gin
And other "cooling drinks."

Consider Mr. Meshach,
Who felt the furnace, too;
He let it sizz, nor queried "Is
It hot enough for you?"
He didn't mop his forehead,
And hunt a shady spot;
Nor did he say, "Gee! What a day!
Believe me, it's some hot!"

Consider, too, Abed-nego,
Who shared his comrades' plight;
He didn't shake his coat and make
Himself a holy sight.
He didn't wear suspenders
Without a coat and vest;
Nor did he scowl and snort and howl
And make himself a pest.

Consider, friends, this trio—
How little fuss they made.
They didn't curse when it was worse
Than ninety in the shade.
They moved about serenely
Within the furnace bright,
And soon forgot that it was hot,
With "no relief in sight."

The call of labor for a larger share in the products of industry is the normal response to the efforts of many masters in industry to get too great a share for themselves.—ARTHUR CAPPER.

Ways=Means=Results

Worked Out by Mail and Breeze Readers

Poor Wheat on Shallow Plowing

Mr. Editor—In traveling over the states of Kansas and Oklahoma in answer to calls for advice on irrigation, I have a good opportunity to observe crop conditions in general. This season in western Oklahoma there were two farmers having good crops of wheat while nearly all of their neighbors' crops failed. The reason for the failures was found in the general shallow plowing of from 3 to 4 inches in depth. The two farmers having good yields had prepared the land for spring crops but the grasshoppers took them as they came up. Then they decided to sow wheat, with the result of a good crop as against a failure where the usual methods of preparing the ground for wheat had been followed. Their ground had been well prepared and plowed rather deeply.

Similar results are to be noted in southwestern Kansas where a comparison of results with good and poor preparation of the land is to be had.

H. E. Murdock.

Irrigation Engineer, Garden City, Kan.

Curing Hay Under Shelter

Mr. Editor—In my travels hereabouts I see many unusual though possibly feasible plans being worked out. A man near here built a hay shed for alfalfa. It has a roof and ends but no sides, and is fitted with regulation hay machinery. He put down a layer of hay directly from the field, then laid lengthwise across it what looked like hog troughs. These are made of two pieces of 2 by 6 plank nailed together at right angles, with short slats across the third or open side. He laid these 6 to 7 feet apart and set others up perpendicularly, the same distances apart. These troughs were placed all through the hay to let the air in and his hay is doing all right so far as I can see.

M. C. Wheeler.

Iola, Kan.

A Silo Built in the Ground

Mr. Editor—Early last fall one of our western Nebraska farmers found he would have to winter his 10 horses, 14 head of cattle, 7 hogs, and a few chickens on 25 acres of poor corn. This corn had been planted every other row and could not have made more than 10 or 15 bushels an acre. He solved the problem by making an excavation 16 feet in diameter and 20 feet deep, chopped up the corn from that field and it just filled his homemade silo, although settling 3 feet afterward. He had no covering for it and yet it spoiled only 6 inches down from the top. He began feeding in November and had enough feed to last him until some time in May.

The chickens almost lived on this silage, the hogs are in good condition and got only the house slops in addition. His horses and cattle are looking better than for many years and the cows made a decided gain in their milk. This silo cost \$70 to build and fill and several more of the same kind have been dug in this section since.

C. Bolles.

German Vs. Yankee Farming

Mr. Editor—A good many people are wondering why the land doesn't produce as much as it used to. The answer is simple—continuous cropping without returning anything to the soil. Nowadays it makes a good many farmers hustle to make a living on 160 acres. In the old country where land wasn't any better to start with, a large German family lives comfortably on 40 acres and many of them keep a hired hand and girl the year around. You wonder how they can do it?

Complete crop failure there is unknown because they diversify. They make it a rule to put something back on the land every time they take off a crop. They never burn up their straw stacks but bed their horses and cows up to their knees and in every way possible produce all the manure they can. Every morning the stalls are cleaned, even to sweeping them out and the manure put into a pit. Weeds and leaves are gathered for bedding and nothing is wasted.

If we farmers over here would adopt

some of these methods fewer of us would be wanting to sell out. We would have money to hire sufficient help and keep some the year around, instead of turning a man loose each winter and making a tramp out of him.

William Brugger.

R. 1, Baxter Springs, Kan.

Let Institutes Co-operate

Mr. Editor—A good deal is being said and written about co-operation among farmers. I believe the organization that will best meet our needs for this purpose is the farmers' institute. There ought to be one in every community in Kansas.

Last year hundreds of bushels of

The corn was then quite small and it took about 15 rows to make the barrier. But as they were taking the corn anyway I thought I would try it and so far it has stopped them.

I think the only way to get rid of chinch bugs is to quit raising wheat at least three years. We cannot enact laws to compel farmers not to sow wheat, but can pass laws making a man liable for damage when he raises wheat and the bugs go into his neighbor's crops and destroy them, just the same as if his sheep, hogs or cattle did it. Most farmers are willing to quit this wheat and bug deal, as formerly had to be done in Iowa and Illinois. Others will sow wheat over on the far side of the farm away from their spring crops regardless of what their neighbors have in adjoining fields. They forget the Golden Rule.

In a place where about half of the land is farmed by tenants it is almost impossible to arrange the spring crop

field? Here in Lyon county corn is the principal crop and I believe such a law should be applied here. I should like to hear others' opinions on this question.

R. 2, Americus, Kan. C. B. Thowe.

New Way of Feeding Hay

Mr. Editor—I have a neighbor who raises mules and most of the work done on his 80-acre farm is for the purpose of raising feed for his stock. He keeps a large part of his farm in pasture, and by changing his stock from one field to another manages to cut a big crop of hay from his pastures each year. He does not put his hay in barns—says it is cheaper to raise hay than it is to build barns, and that the waste of the hay is less than the depreciation and interest of a big barn. His stock, however, have good sheds to winter in and the hay is stacked around in different places on his corn land, in one part of the field one year and in another part the next. The horses have access to the stacks all the time and usually it takes little corn to winter them. By spring his corn field looks as if a manure spreader had been working overtime, and there is little work to be done cleaning out the sheds.

Saline county. David Townsend.

What a Hog Really Needs

Mr. Editor—A hog is a hog and always will be no matter how nice you treat him. He doesn't thank us for a house all finely built with glazed windows and panel door and he doesn't need a curry comb and brush unless he is a show hog. But give him a good balanced ration, plenty of pure water to drink and a mudhole in which to wallow in summer time and he will be the most happy and contented animal on the farm. If he should become infested with lice he will soon rid himself of them when he has continual access to a mud puddle. Hog raisers differ as to which is the best breed but, as an experienced breeder said recently, it makes little difference provided we have a good foundation to start with. Corn and alfalfa, clover or cane pasture in summer and plenty of corn with milk and slop in winter will do the rest.

M. M. M.

Valley Falls, Kan.

Try Digging Potatoes Early

Mr. Editor—It has been so dry and hot the last few weeks that potatoes have ripened early. Three years ago I dug my potatoes July 20 and put 60 bushels in the cellar. They kept better than any I had ever stored before. I tried it again last year with the same results. Last year I dug my crop of potatoes the week of July 29. The trouble I have always had in leaving potatoes until fall, was that whenever it rained the grub worms got into them and ate out large holes. They also got scabby and many started to grow. They have never rotted for me when put in the cellar early and I kept them over until the new crop came. If you are skeptical about this, try it in a small way this year.

H. S. Tonnemaker.

Beatrice, Neb.

Sees Good in Stallion Law

Mr. Editor—When the new stallion law went into effect July 1, it became the duty of mare owners in every section of Kansas to familiarize themselves with it and to insist that stallion owners comply with its requirements. We notice a growing confidence in the registry board. Great good will come from its efforts when more farmers read the license. If there is no license in evidence ask to see it. We have known unsound stallions to stand in this state year after year. They were owned by a certain class of stallioners, who kept this secret, but you now have the opportunity to know for yourself the breeding and condition of soundness of each animal offered for service. It appears to us that this law will benefit the mare owners more than anyone else as it effectively prohibits the misrepresentation of stallions. It is earnestly hoped that mare owners will do their part by refusing to patronize any man who does not comply with the law. Make it known that you know as much about it as he does.

Independence, Kan. William A. Beck.

Farmers Mail and Breeze is the best paper I ever read. I wouldn't part with it.—Belva Narciss, R. 5, Frederick, Okla.



Marshall county lambs eating meal on the farm of L. D. Farrar, near Frankfort. A flock of sheep practically doubles itself at lambing time.

seed of different kinds were shipped out of this section. Last spring a large amount of it was shipped back with two freight charges and half a dozen dealers' profits tacked on. Besides, a good deal of the seed shipped in was worse than that shipped out.

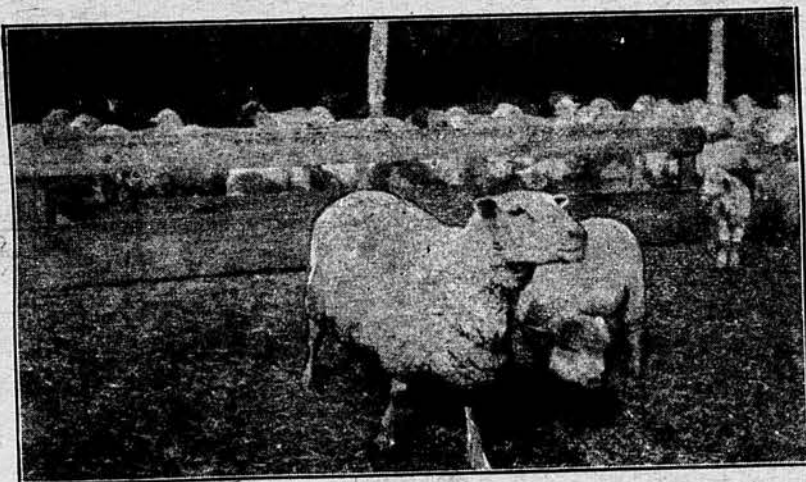
We try to make our institute an open market, or clearing house, for all who wish to sell or buy seeds, poultry, livestock, or any other farm product. Our seed dealer here is a member of the institute and has given us his hearty co-operation. Last year he ordered seed for farmers at actual cost. Many of our other business men are members of the institute. I believe a good farmers' institute properly managed and co-oper-

and not get near some wheat field. I know of one case where a renter moved on a quarter between Perth and Wellington, he had no wheat on the place but the bugs came in from his neighbors' fields that surrounded his and have taken his entire crop. The question is who should stand this loss? I say that as his neighbors raised and bred the pest, they should be held for the damage.

R. 1, Wellington, Kan. W. L. Theurer.

Condemn Bug-Infested Fields

Mr. Editor—Kansas is again suffering untold losses from chinch bugs. Many remedies for this annual plague have



Pet ewe and lamb on the Marshall county farm of L. D. Farrar, who basing his opinion on his own experience wonders that we do not have more sheep in Kansas.

ating with the town's commercial club, will prove a success anywhere.

Havensville, Kan. F. J. Beach.

Stop the "Wheat and Bug Deal"

Mr. Editor—In Jayhawker Farm Do-in's Mr. Hatch recently asked for reports from those who tried to stop chinch bugs by piling a continuous row of green corn. I tried this method about 10 days ago with good success. The bugs have not crossed it yet and are under this piled row by the million.

been recommended but the most practical yet mentioned is that no wheat should be sown for a time, and especially next to corn. Yet the former can hardly be brought about as many farmers no doubt are planning right now to sow more wheat and still expect to keep on friendly terms with their suffering neighbors.

It is now possible for an inspector to condemn a pest-infested orchard and have it destroyed regardless of the owner's protest. Why should not this same law apply to a pest-infested grain

July Plowing Makes the Crop

(Continued from Page 3.)

6. Land plowed July 15, 12 inches deep, with the Spaulding deep tillage implement, cost \$8.10 per acre for preparation and produced an acre yield of 44 bushels. The crop when sold returned \$27.10 an acre above cost of work.

Tests Made on Poor Upland.

The field used for these tests is upland soil very low in fertility. It had been cropped for many years to small grain, corn and sorghums, without the addition of manure or green-manuring crops. The field was in wheat in 1910. A part of the field was divided into 11 plots in 1911, each plot receiving different seedbed treatment. In 1912 and 1913 the same methods of treatment were repeated upon each of the 11 plots.

Another part of the field was planted to corn in 1911, to oats in 1912 and to wheat in 1913. The wheat was seeded upon all plots October 2. Bearded Fife wheat was sown with a disk drill, at the rate of $1\frac{1}{4}$ bushels an acre.

All plots were harrowed immediately after they were plowed, except where otherwise indicated, and were worked thereafter as was necessary to maintain a soil mulch and to prepare a good seedbed.

The cost of preparation was \$5 an acre for plowing with the Spaulding deep tillage plow; \$1.25 an acre for 3-inch plowing; \$1.75 for 7-inch plowing; 75 cents for 5-inch listing; 40 cents for disking; 35 cents for Acme harrowing; 25 cents for harrowing; 40 cents for seeding.

This includes all expenses of preparing the ground and seeding the wheat. The value of the crop was figured at 80 cents a bushel, the market price at the time the wheat was threshed.

Double Disking Increases Yield.

Two plots were double-disked July 15. One of these was plowed August 15 and the other September 15. The plot plowed August 15 produced 29.84 bushels of wheat an acre. The plot plowed September 15 produced 27.53 bushels. This is a difference of 2.31 bushels an acre in favor of the earlier date of plowing.

For the best results ground that is double-disked early in the summer should be plowed within a month after disking. If the plowing is postponed later than this much of the moisture

saved by the early disking will be lost by the rank growth of weeds and volunteer wheat. Also, if the plowing is not done before the middle of September there is not sufficient time to prepare a firm seedbed before time for planting.

When we compare the plots that were disked early with the plots plowed at the same date but not previously disked, we find for the August plowing that the plot not disked produced 3 bushels more wheat an acre this season than the disked plot, but for an average of three years the early disking has increased the yield more than a bushel an acre. The plot double-disked in July and plowed in September produced 27.53 bushels of wheat an acre this season, while the plot plowed on the same date but not double-disked, produced only 16.39 bushels. This is an increase of 11.14 bushels an acre in favor of double disking and an increased return of \$7.71 an acre after paying for the disking.

There is absolutely no doubt of the benefit resulting from double-disking ground early in the season when it cannot be plowed or listed. Double-disking early in the summer not only insures an increased yield of wheat, but holds moisture in the ground so that the plowing can be done later with greater ease and at less expense.

Disking is a desirable method used in connection with plowing, but a poor method when used alone. In this trial the plot that had not been plowed for three years, but where the seedbed had been prepared by disking just before planting, produced only 9.39 bushels of wheat, and the average yield for the last three years has been only 6.63 bushels an acre. This is not enough wheat to pay for the cost of production. On lighter types of soil, in the central and western part of the state, this method has produced satisfactory crops of wheat for a single season, but followed year after year cannot be expected to equal plowing or any other good method.

Double Better Than Single Listing.

Two methods of listing were tried. One plot was listed July 15, leveled with a lister cultivator about August 1, and worked as necessary thereafter to maintain a soil mulch and to prevent the growth of weeds. The other plot was listed on the same date, left one month without being worked, then the ridges split with the lister. About two weeks later the land was leveled with a lister cultivator and thereafter worked when considered necessary.

The plot single listed produced 27.81 bushels an acre. The double-listed plot made 29.40 bushels, a difference of 1.61 in favor of double listing.

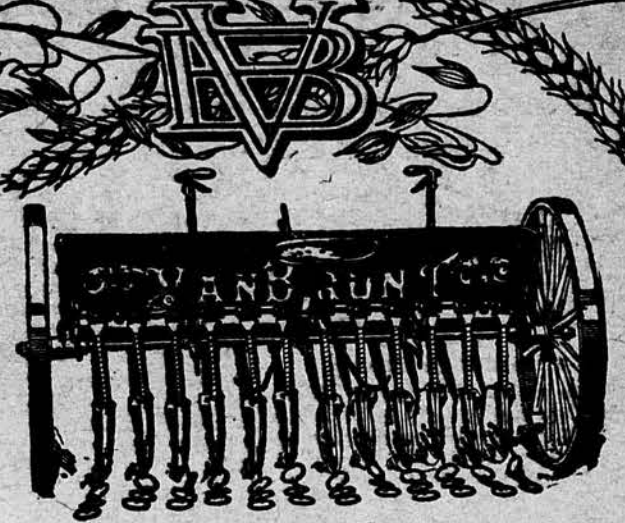
For the first two seasons single listing produced slightly more wheat than double listing. This year, however, the reverse is true. As this test is continued it will undoubtedly be found that the plot double listed will produce more grain than the single listed plot. In single listing, especially when the listing is done each year in the same direction, there is a tendency for the lister to follow the old lister track, leaving a part of the soil unturned from year to year.

Listing is a good method for wheat, providing the work is properly done. Ground can be listed more rapidly than it can be plowed. Where a large acreage of ground is to be prepared this can be done earlier by listing than by plowing. It is advisable, however, when listing is the general practice, to plow the land occasionally. The plow pulverizes and inverts the soil more thoroughly than the lister.

Great Benefit of Early Plowing.

On the field continuously cropped to wheat, the plot plowed 7 inches deep July 15 produced the largest yield, 34.95 bushels to the acre. Its 3-year average is 4.71 bushels more wheat than by any other method employed. The plot plowed 3 inches deep on this date for the last three years produced 21.57 bushels an acre, or 13.38 bushels less than the 7-inch plowing.

Of the plots plowed in August the one worked during the first month after plowing produced 32.83 bushels an acre, while the other, which was not worked, produced 28.80 bushels, a difference of 4.03 bushels an acre in favor of working



THE VAN BRUNT DRILL

This is the lightest, but at the same time the strongest and most durable drill on the market. Every part having to stand any strain is thoroughly braced, and only the best of material is used on the entire drill.

LESS SEED

is required to get maximum returns, as the Van Brunt Drill gives you an even flow of seed into a furrow of uniform depth. It does not plant too much in spots so that growth of grain is retarded or smothered account crowded. Such planting means not only poor returns, but is also a waste of seed.

MORE CROP

is the result of "Van Brunt" seeding. This drill does not choke up and skip planting part of the soil. You are getting returns from every bit of your land. Seed is planted at uniform depth and is all up and ready for harvest at the same time.

THE ACCURATE SEEDER

The Van Brunt is the most accurate seeder on account of its construction. Can be adjusted to plant any grain. Each wheel drives half of the machine. Adjustable force-feed insures even flow from hopper. Adjustable gate feed regulates this flow and prevents bunching.

PLANTS AT UNIFORM DEPTH

You not only have an even flow of seed, but also plant it at uniform depth. Adjustable pressure springs on openers make furrow of even depth all the time. Closed boot delivery puts seed at bottom of furrow before soil can fall in. The Van Brunt plants accurately in any soil that can be seeded.

DISCS AND BEARINGS

The "hard-working" part of any drill and on most drills soon gives out. But not on the Van Brunt. We guarantee our disc bearings will last life-time of drill. Any that should happen to wear out, we will replace free of charge at our shops.

GRASS SEED ATTACHMENT

The "Van Brunt" can be furnished with grass seed attachment, tubes of which are so made that you can either drill or sow broadcast. Be progressive. To do so you must have up-to-date implements to get results. The "Van Brunt" is "The Drill." Write us immediately for our new catalog.

Ask for package No. VB 12

Address JOHN DEERE PLOW CO., Moline, Ill.

FOUND A WAY

To Be Clear of Coffee Troubles.

"Husband and myself both had the coffee habit, and finally his stomach and kidneys got in such a bad condition that he was compelled to give up a good position that he had held for years. He was too sick to work. His skin was yellow, and there didn't seem to be an organ in his body that was not affected.

"I told him I felt sure his sickness was due to coffee and after some discussion he decided to give it up.

"It was a struggle, because of the powerful habit. One day we heard about Postum and concluded to try it and then it was easy to leave off coffee.

"His fearful headaches grew less frequent, his complexion began to clear, kidneys grew better until at last he was a new man altogether, as a result of leaving off coffee and taking up Postum. Then I began to drink it too.

"Although I was never as bad off as my husband, I was always very nervous and never at any time very strong, only weighing 95 lbs. before I began to use Postum. Now I weigh 115 lbs. and can do as much work as anyone my size, I think."

Name given by Postum Co., Battle Creek, Mich. Write for booklet, "The Road to Wellville."

Postum comes in two forms.

Regular Postum (must be boiled.)

Instant Postum doesn't require boiling, but is prepared instantly by stirring a level teaspoonful in an ordinary cup of hot water, which makes it right for most persons.

A big cup requires more and some people who like strong things put in a heaping spoonful and temper it with a large supply of cream.

Experiment until you know the amount that pleases your palate and have it served that way in the future.

"There's a Reason" for Postum.



Cleans like Magic without Scouring

I addition to its value on the farm as preventive of hog cholera—as a disinfectant—as a water softener and for making soap—

Lewis' Lye

The Standard for Half a Century

is a household necessity for cleaning purposes. It cleans anything and everything like magic, without scouring and does its work with less labor than any other so-called cleanser on the market. It is, without question, best for cleaning

- Bath Room Fixtures
- Kitchen Utensils
- Milk Pans or Churns
- Woodwork
- Windows.

Lewis' Lye—the purity and full strength of which is guaranteed—is the only one made and marketed by manufacturing chemists. Booklet describing the many uses of Lewis' Lye, mailed free on request.

PENNSYLVANIA SALT MFG. COMPANY
Manufacturing Chemists
PHILADELPHIA

\$10.00 Sweep Feed Grinder.




\$14.00 Galvanized Steel Wind Mill.



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

CURRIE WIND MILL CO.,
Topeka, Kansas.



The CLIPPER

There are three things that destroy your lawns—Dandelions, Buck Plantain, and Crab Grass. In one season the Clipper will drive them all out. Your dealer should have them—ask him, or drop us a line and we will send circulars and prices.

Clipper Lawn Mower Co.
Box 10, Dixon, Ill.

Rider Agents Wanted

In each town to ride and exhibit sample 1913 bicycle. Write for special offer.

1913 Models \$10 to \$27

with Coaster Brakes & Puncture Proof tires. 1911 & 1912 Models \$7 to \$12

all of best makes. **100 Second-Hand Wheels** good as new. **Great FACTORY CLEARING SALE** We ship on approval without a cent deposit, pay the freight, and allow **30 DAYS FREE TRIAL.** Tires, coaster brake rear wheels, lamps, mudguards, parts and repairs for all makes of bicycles at half usual prices. **DO NOT BUY** until you get our catalogues and offer. Write now.

MEAD CYCLE CO. Dept. F131 CHICAGO

\$2.00 FREE \$2.00 \$1.00 Champion safety razor, 10c shaving stick, 25c brush, 30c electric Complex. Soap, 3 pieces toilet soap 75c. Value \$2.40 at 40c. ALEX GROSSMAN, 3838 ALTA VISTA TERRACE, CHICAGO

OIL - OIL - OIL

WHOLESALE PRICE TO CONSUMERS—Combining best quality with low price. NO WATER IN MY KEROSENE OR GASOLINE.

XXX 46 gravity water white kerosene.....	\$6.00 for 52 gal. bbl.
XX 42 gravity kerosene (the kind usually sold)	\$5.25 for 52 gal. bbl.
XXX 64 gravity gasoline.....	\$10.00 for 52 gal. bbl.
1 case graphite axle grease (2 doz. 3 pound pails)	\$3.50
40 gravity prime white stove distillate.....	\$4.50 for 52 gal. bbl.
38 gravity stove distillate	\$4.25 for 52 gal. bbl.
60 gallon (26 gauge) galvanized steel tank with pump and hood cover complete—a great convenience in every home.....	\$3.60
Extra heavy pure crude oil, steamed and settled, (black oil) good lubricant, just the thing for greasing tools	\$4.00 for 52 gal. bbl.
STANNARD'S PROCESSED CRUDE OIL, the best dip made for killing lice and curing mange. One application will do more to kill lice and cure mange than three applications of any other dip made (it destroys the nits).....	\$5.00 for 52 gal. bbl.

I also carry a full line of lubricating oils.

I will pay \$1.25 each for my crude oil barrels, \$1.50 each for my refined oil barrels returned to me at Coffeyville, Kansas, in good order, less freight charge on same.

C. A. STANNARD, BOX M, EMPORIA, KAN.

Helping a Country Church

Story of One About to Die That Didn't

BY E. L. HOLTON, Professor of Rural Education, K. S. A. C.
Written for Farmers Mail and Breeze.

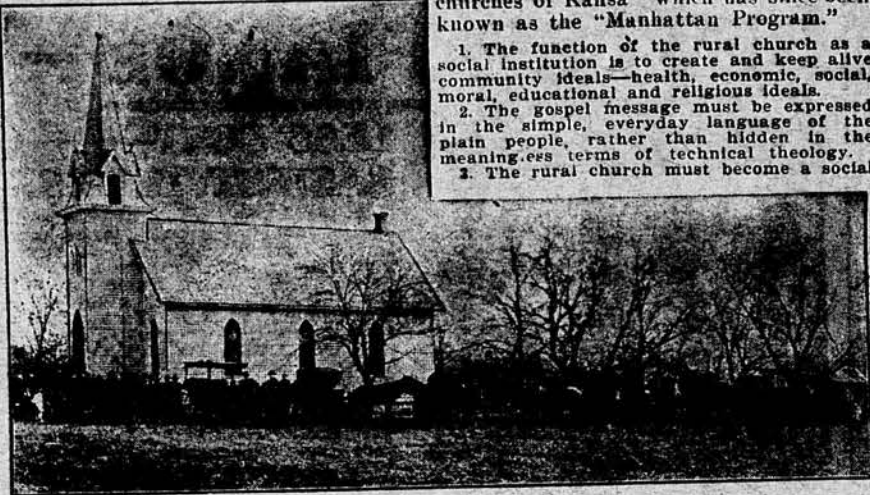
ONCE in a while somebody takes a crack at back-to-the-farm meetings and rural life conferences. It is hinted that the time of persons interested in the betterment of rural conditions might better be spent otherwise; that action, not deliberation, is needed. But there is a story of the regeneration of a country church in Kansas that shows pretty conclusively the value of at least one rural church conference—the four-day school for rural leaders held at the Kansas Agricultural college in June, 1912. To that conference is due the credit for the revival of the Fancy Creek church in Riley county. And if this were

many hundreds of rural churches in the most productive agricultural section of America. Some are standing still, others are dying, many more are dead and the buildings abandoned.

The membership of this church during the last 15 years had declined from about 75 to 15. It is reported that the members met several times for the purpose of abandoning the old church.

The pastor, the Rev. J. Jensen, attended the rural church conference at the agricultural college in June, 1912. Here he got a new and a larger vision of the work of the rural church. He was one of the pastors who helped formulate the following program of work for the rural churches of Kansas which has since been known as the "Manhattan Program."

1. The function of the rural church as a social institution is to create and keep alive community ideals—health, economic, social, moral, educational and religious ideals.
2. The gospel message must be expressed in the simple, everyday language of the plain people, rather than hidden in the meaningless terms of technical theology.
3. The rural church must become a social



A community meeting at Fancy Creek rural church, 3 miles from Randolph, Riley county, Kansas.

the only good thing that has come from that conference a year ago it still would be effort well invested. And if the telling of the story will make any rural pastor or rural leader decide to attend a similar conference at the agricultural college this month—July 21-25—this, also, will be time well spent.

Fancy Creek church, from its organization a half century ago until the summer of 1912, has a history just like

center for all the activities of neighborhood life.

4. A spirit of neighborhood co-operation rather than denominational competition must be fostered by the rural church.
5. The rural pastor should have some training in an agricultural college.

Returning from the conference, the Rev. Mr. Jensen called a meeting of the members of the Fancy Creek church. He explained to them his plans for the organization of a neighborhood improvement club to meet in the church building every week. After much discussion and many objections the club was organized as a substitute for the weekly prayer meeting which had died long, long ago.

The club has been organized about a year and it is accomplishing wonders in creating a community conscience, and in getting the newcomers to enter into the social life of the community. A typical program for one of the regular meetings is here given just as it was given one night last fall:

FANCY CREEK IMPROVEMENT CLUB.

- Program for November 28, 1912.
- 7:30. Half hour for social gathering.
 - 8:00. Call to order by the president.
 - Prayer.
 - Song—America.
 - 8:10. Business meeting.
 - Topic for the evening—The Rural Church as a Social Center.
 - 8:25. Principal speaker—(A professor from the Agricultural college).
 - 8:50. General discussion.
 - 9:20. Refreshments and music.
 - 9:50. Dismissal.

The club discusses such questions as "How to Build a Silo," "Co-operative Marketing of Farm Products," "Consolidation of Rural Schools," "The Initiative, Referendum and Recall," in fact, any question the solution of which has a vital relation to the welfare of the community. The meetings are well attended and everyone takes an active part in the discussions. The music, which consists of singing old familiar songs and selections by an orchestra, and the refreshments, are never omitted from the program. They are considered to be important factors in creating a community conscience.

The whole community has a new and a larger vision as a result of the work of the neighborhood improvement club. This larger vision was expressed by the pastor when he said at a recent "Home Coming" meeting, "The holy land for us is the land surrounding Fancy Creek church, and the Lord expects us to make it yield bountiful crops to support a happy, prosperous people."

I don't want to miss a copy of the Mail and Breeze. I value it above all the papers I ever read.—D. A. Armstrong, Box 8, Anness, Kan.

A Sweet, Crisp, Delicious "Bite-To-Eat" Post Toasties

Dainty bits of pearly white corn, perfectly cooked and toasted to delicate "brown."

Usually eaten direct from package with cream and sugar.

Or, sprinkle Toasties over a saucer of fresh berries—then add the cream and sugar—a dish to remember.

Post Toasties are sold by Grocers everywhere.

Reliable Poultry Breeders

FARMERS MAIL AND BREEZE POULTRY RATE.

The rate for advertising under the "Reliable Poultry Breeders" column is 5c per word each time for 1, 2 or 3 insertions and 4½c per word each time for four or more insertions.

DUCKS.

FOR SALE—My entire flock of English Indian Runner ducks, \$1 each. Paul Grill, Ellsworth, Kan.

INDIAN RUNNER ducks. Topeka fair winners. Satisfaction guaranteed. Burt White, Burlingame, Kan.

FAWN AND WHITE and brown and white prize winning Indian Runner duck eggs 15 for \$1.00, 100 for \$5.00. E. O. McKinney, Lafontaine, Kan.

PLYMOUTH ROCKS.

BIG TYPE BARRED ROCKS. Half price now. Duff, Larned, Kan.

BARRE ROCKS. Stock and eggs. Mrs. D. M. Gillespie, Clay Center, Kan.

BUFF ROCKS—A few breeders and young stock for sale. William A. Hess, Humboldt, Kan.

WYANDOTTES.

BUFF WYANDOTTES. Prices cut for balance of season. Eggs from all our breeding pens at \$1.50 per 15, \$5.00 per 100. Baby chicks \$1.50 per dozen. Send for mailing list. Wheeler and Wylie, Manhattan, Kan.

LEGHORNS.

ROSE COMB WHITE LEGHORN eggs. Fifteen, one dollar. One hundred, five dollars. Mrs. C. S. Wade, Miltonvale, Kan.

SEVERAL VARIETIES.

A FEW choice cockerels and cock birds for sale; will sell at a bargain. August Petersen, Churdan, Iowa.

43 VARIETIES, Poultry, Pigeons, Ducks, Geese, Turkeys, Guinea, Incubators, Dogs. Catalogue 4 cents. Missouri Squab Co., Kirkwood, Mo.

ROSE COMB RHODE ISLAND RED eggs. Pen A, \$1.50 per 15; Pen B, \$1.00 per 15. Barred P. Rocks, range stock, 75c per 15; \$4.00 per 100. Light fawn and white Indian Runner ducks \$1.00 per 12. C. J. Woods, Chiles, Miami, Kansas.

The Flour City



Built in Three Sizes—20, 30 and 40 H. P.

A good operator and a poor tractor is an unsatisfactory combination. A good tractor and a poor operator does not improve the situation, but a "FLOUR CITY" tractor and a good operator is a paying investment.

The "FLOUR CITY" has many distinctive features. The bevel gear transmission is worthy of special mention. The gears are made of forty-point carbon steel and are practically indestructible. The complete transmission, together with the drive pinion and belt pulley are mounted on one shaft and are controlled by one lever.

The over-head valve is also a feature of the "FLOUR CITY." It is conducive to perfect ignition, combustion and economy, opening direct into a cylinder free from valve pockets; the full energy of the charge is utilized, and the constant necessity of re-grinding the valve is eliminated. These features will appeal to any mechanical mind. Our catalog, giving all details, will be sent on request.

KINNARD-HAINES COMPANY

854 44th Ave. No. Minneapolis, Minn.

Pocket Flashlight

As illustrated, nickel-plated, equipped with famous Tungsten battery. By merely pressing button throws brilliant light. Safe, convenient, economical. Everybody needs one. Guaranteed. Sent post-paid, \$1.10.

LAAGE & COMPANY
1106 Winona Street, CHICAGO

JOHN DEERE

THE SAGLESS ELEVATOR

Your First Chance to Get a Sagless Steel Elevator

John Deere—The Sagless Elevator, is the first portable elevator to have turnbuckles on the truss rods so that you can keep the elevator from sagging.

You know how the power required increases when an elevator once starts to sag. Likewise, you know what a strain sagging throws on the whole elevator, especially the bearings in the head and boot sections.

The John Deere, for the sagless feature alone—even if it didn't have all those other things of advantage—is worth your careful consideration.

The Sagless Feature

Four turnbuckles on the truss rods, together with extra strong section connections make the John Deere a really sagless elevator. Sections are triple-lapped, connected with fourteen bolts, banded with a heavy iron band and reinforced at the upper edge on the inside. That is one big advantage in having a John Deere—The Sagless Elevator.

Screen Section

John Deere—The Sagless Elevator, separates and takes the shelled corn out when elevating ear corn. A screen, in the second section (that can be closed up when elevating shelled corn or small grain) does the work. Shelled corn that gets into the crib with ear corn fills up the air spaces and very often causes the corn to heat or mold.



John Deere—The Sagless Elevator Ready for Work

"How to Build Corn Crib" with Blue Print Plans

Besides containing complete descriptions of the John Deere—The Sagless Elevators, this book has ten blue print plans covering the construction of corn cribs and granaries, showing the style of elevator used with each crib. It also contains cost estimates and furnishes a source of valuable information whereby anyone can arrive at the comparative cost of the various styles of cribs and granaries. You can get it free if you will ask for book No. A 13

John Deere Plow Co., Moline, Illinois

What Else You Get

ALL STEEL—There is nothing about a John Deere—The Sagless Elevator to rot, dry out, or warp. It is made entirely of steel.

ROLLER BEARINGS on the head and boot shaft reduce the power required. They eliminate friction, thereby lengthening the life of the bearings.

HORSE OR ENGINE POWER. John Deere—The Sagless Elevator is furnished either with or without horse or engine power. A variable speed jack or belt attachment is furnished when desired to operate with engine.

MANY OTHER desirable features on John Deere Elevators are fully illustrated and discussed in the John Deere—The Sagless Elevator book. (This book also illustrates and describes the John Deere Cypress Wood Elevator and the John Deere Tumbler Elevator for small grain—the only one of its kind.)

FREE BOOK
A book with which any farmer can save the price of a portable elevator outfit by the way he builds his corn cribs. Read about it below.

Save 40% to 60% on a Clear Fir Silo

Buy direct from us a Seattle Silo of famous Puget Sound fir—made of timber cut from our forests, worked in one of our six great mills. Sold to you at one profit above manufacturing cost.

Seattle Silos

are made of the finest fir in the land. Many trees grow 200 to 250 feet tall. For our silo staves we use only the choicest. Close and straight grain. Free from sap and knots. Wonderfully durable. Seattle Silos have **patented swinging doors**—quick detachable; no lifting; easily swing in or out; new iron cross-bar or hoop connection; door bars form ladder from which hoops are easily tightened.

Write today for folder. On a single silo we can you practically carload shipment price. To one farmer in each township we have a very special offer. Write today.

SAVE 40% to 60% on Lumber and Millwork

You pay five middlemen's profits on lumber you buy of your local dealer. We sell you at **one** profit above producing cost. Give you choice timber as grows only in the Puget Sound region—give you the benefit of our wonderfully low cost of production. Our six great mills turn out twenty to thirty carloads of materials each day. All orders shipped within 24 to 48 hours. Reach our customers within average of two weeks. Satisfaction guaranteed or money refunded. Send for price list and catalog. Send bill of materials, if possible, for estimate.

HEWITT-LEA-FUNCK CO.
470 Union Ave., SEATTLE, WASH.

"Ohio" 1913 Model The Improved Logical Silo Filler

"Ohio" improvements for 1913 are radical—eclipse all previous efforts. Don't close a deal for any Cutter and take chances with unknown makes until you see what the "Ohio" offers. 59 years' experience—absolutely dependable quality.

Famous Patented Direct Drive is secret of "Ohio" superiority—the only machine that is driven, cuts and elevates direct from main shaft. Simple, compact—low-speed fan—non-explosive—non-clogging on any cut. Cuts clean on all crops—knives can't spring.

One Lever Controls All Entire feed reverses by wood friction at finger pressure—no strain—not a gear tooth changes mesh. All gears perfectly housed. Famous "Bull-Dog" grip self-feed. Enormous half-inch cut tonnage, 50 to 250 tons a day—6 to 16 h. p., 20-year durability. Used by Experiment Stations everywhere. Guaranteed. Many big new features this year. Write for free "Ohio" catalog today. A postal will do.

"Modern Silage Methods" a 264-page book mailed for 10c, coin or stamps.
THE SILVER MFG. CO.
Salem, Ohio

Shoo-Fly THE ANIMALS' FRIEND

Keeps flies and other insect pests off of animals—in barn or pasture—longer than any imitation. Used and endorsed since 1886 by leading dairymen and farmers.

\$1 WORTH SAVES \$20.00 In milk and flesh on each cow in a single season. Heals sores, stops itching and prevents infection. Nothing better for galls. Kills lice and mites in poultry houses.

SEND \$1. If your dealer can't supply you. We'll send enough Shoo-Fly to protect 200 cows, also our 3-tube gravity sprayer without extra charge. Money back if not satisfactory. Name Express Office. Booklet FREE. Special terms to agents. Shoo-Fly Mfg. Co., Dept. N 1310 N. 10th St., Phila. Editor knows from experience that Shoo-Fly is O. K.

BEATRICE Cream Separator

It gets all the cream.
THE CONTINENTAL CREAMERY CO.,
Topeka, Kan. Oklahoma City, Okla.

JAYHAWKER FARM DOIN'S

BY H. C. HATCH, GRIDLEY, KANSAS.

We like to get the experiences, views and opinions of "our folks" on any farm or livestock subject particularly if seasonable and likely to help some of us who may need the information. Your letters are always welcome. Subscriptions to Farmers Mail and Breeze or other good publications for best letters received. Address Editor Farmers Mail and Breeze, Topeka, Kan.

Our petition for rain, which went in last week, was answered by a good fall of moisture within 24 hours after it left the mail box. It pays to advertise in the Mail and Breeze.

We needn't tell what a difference a fall of 1½ inches of rain makes in a dry time to corn nearly waist high. It just leaps out of the ground. Corn has a fine color, is clean and with average rains should make a good crop in this county.

Last year we got a good rain just before the Fourth of July but no more fell after that until August 9. In spite of this long dry spell pretty fair corn was raised here so we feel fairly sure we shall have some corn this year. It is seldom so long a period elapses without moisture in this part of the state as happened last year.

Wheat is not so good a crop this year in Coffey county as it was last, and we are not going to say that it is, but there is some mighty good wheat here for all that. One of our neighbors threshed his just before that rain and it made an average of 43 bushels an acre and it was measured ground, too. This wheat grew on creek bottom and showed before it was cut that it was going to make a fine yield.

The price paid here for wheat has taken a drop. Our local paper says that for good new wheat 75 cents a bushel will be paid. However, prices of mill feed and flour show no reduction. We have to pay from \$1.15 to \$1.25 for a 48-pound sack of flour at the stores but if we go to the mill we can get good flour for \$.05 a sack. Shorts cost \$1.15 a hundred pounds. At the present price of hogs it will pay to feed some shorts when they cost no more than this.

The wheat growers of Coffey county have been having a strenuous time for the last two weeks. After the wheat began to ripen the chinch bugs began to look for more congenial pastures and found them in the nearby corn fields. The boys have been having a chance to ride horseback, the horse being hitched to a log which is dragged up and down dusty furrows. From the looks of things we should say that the boy hates the job just about as bad as the horse does.

We have many times heard it argued that chinch bugs would rather travel south when leaving a small grain field than go in any other direction. It is supposed that another favorite direction with them is east. We have one friend who gravely argues that chinch bugs never travel north; he says he has lived in Kansas a long time and has never seen them crawling in that direction. We have not lived in Kansas nearly so long as he has, but we have seen the bugs traveling toward all the points of the compass.

Last night, while we were rejoicing over the rain, one of our good work horses was taken sick and died. This took the edge off our rejoicing for we hate to see one of our faithful workers die. Though it was a financial loss it seemed almost as much of a personal one. When a man has worked with a horse for some time he becomes attached to him and it is like losing a friend to see him die. We shall miss our old friend's familiar call at mealtime as much as we shall miss his presence in the field.

Several years ago this neighbor boy became enamored of a railroad life and determined to become a railroad man. He sent \$2 for a book which was supposed to teach anyone all there was to know about the railroad business. After a diligent study of this work our young friend set out afoot one morning for Emporia, 28 miles distant. After a

harder day's work than he ever put in on the farm he arrived there and applied at Santa Fe headquarters for a place as conductor on one of the through passenger trains. We leave it to our readers whether or not to think he got the position. But he had no more to learn about the railroad business than

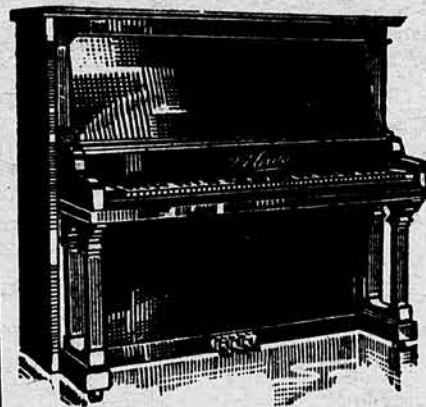
some of our magazine writers have about farming.

We had worked this horse some the day he died and he was feeling fine. When unhitched from the mower he pranced along the road toward home like a young colt. At supper time he was all right and begged hard for the small forkful of alfalfa hay we have been giving him every evening. Within 30 minutes he was down covered with sweat. The pain was violent and nothing gave relief. He did not live long enough to get help from town, if help could have been had. He had every appearance of having eaten something which was violently poison. We do not know that it was the alfalfa but we shall feed no more of it to the horses.

France has spent 35 million dollars in planting trees on the watersheds of important streams.

BETTER PIANOS—

LESS COST— EASIEST TERMS.



Parkville, Mo., May 30, 1913.
Dear Sirs—In the spring of 1912 my brother, C. E. Hughes, of Kansas City, Mo., purchased an Elburn piano from you. It has always been satisfactory, and words cannot express the enjoyment we have had from it.
Respectfully yours,
MAURINE HUGHES, Parkville, Mo.

J. W. Jenkins Sons Music Co., Kansas City, Missouri

The New Champion Silo With Oil Filled Staves Just What You Have Been Looking for

Agricultural experts are farmers and feeders who have investigated and know that stave silos keep ensilage in the best condition. The only improvement suggested was a way to make stave silos everlasting, proof against shrinking or swelling.

We acted on this suggestion and now offer prospective silo buyers the special Champion silo with oil treated staves.

Guaranteed Rot Proof Proof Against Swelling. Everlasting

Our process of oil treating our staves is different from any other. The staves are not merely dipped, like others, but preserving oil is forced into the wood under pressure of 250 lbs. That's why Champion staves cannot rot from outside or from inside either. That's why moisture or heat does not affect them. That's why Champion silos are the best in the world and guaranteed to give satisfaction.

Send for Free Sample of Our Special Oil Treated Staves

We will gladly send it, shipping charges prepaid simply to show you what we mean when we say that Cham-

If Price Talks and Quality Is Important Get Our Special Proposition Now

We can do business with you. We can save you money because our price is right. We can save you money on freight because we have a branch factory and distributing point in the southwest almost at your back door.

We can guarantee you quality because the Champion silo is built from the ground up. It's not thrown together, every part fits perfectly.

Just Give Us a Chance to Show You

And if you have already decided what size silo you want, tell us. When you write we will not only make you the right price, but will send proof that the Champion is right, that it's giving satisfaction and making big profits for other owners.

If you have not settled on the size we will send you facts that will help you settle the matter. Better still—just advise us when writing and we will have one of our silo experts from your territory come to see you. It won't cost you a cent. It won't obligate you. We simply want the chance to show you. Write today. Tell us your silo problems. Advise whether you want price and full particulars by mail or whether you would rather have our silo expert see you. Either way is satisfactory as long as you get busy, now, today, before you forget it. Address

Western Silo Co., 155 11th St., Des Moines, Ia.



DR. HESS DIP And Disinfectant

is a preparation entirely harmless to man and beast.

Its sole office is to kill disease germs, correct impure conditions and destroy noxious insect life. It does these things whenever and wherever it is used according to directions. It meets the rigid requirement of the United States Government as an official dip for sheep scab. Its use on farm stock insures animal health and thus increases live-stock values. It is an un-failing purifier for foul sinks, drains, sewers and outbuildings. There is no certainty of profit in stock farming without its use.

Write for a free
Dip Booklet.

**DR. HESS &
CLARK**
Ashland,
Ohio.



Cow-Ease

Prevents Ticks.

KEEPS FLIES OFF

Cattle and Horses

and allows cows to feed in peace, making more milk and more money for you. A clean, harmless liquid preparation, applied with a sprayer. Keeps cows in good condition, and saves five times its cost in extra milk.

TRIAL OFFER

If your dealer cannot supply you, send us his name and \$1.25, and we will deliver prepaid to your address a half-gallon can of COW-EASE and SPRAYER for applying. For West of Missouri River and for Canada, above Trial Offer, \$1.50.

Satisfaction or Money Back.
CARPENTER-MORTON CO.
BOSTON, MASS.

FOR
Floors, Furniture and Interior Woodwork

Campbell's Varnish Stain

All sizes and colors, at Paint & Hardware Dealers
Carpenter-Morton Co., Boston, Mass.



New Silo Book FREE

It's full of valuable information for every farmer and stock raiser. Tells all about the special and exclusive features of the famous

INDIANA SILO
Twenty-Five Thousand in use. Write and learn why it is best and cheapest and get our New Silo Book Free.
INDIANA SILO COMPANY
Distributors, Paper Ensilage Cutter.
The largest makers of Silos in the world. Address nearest factory:
57 Union Bldg., Anderson, Ind.
"Indiana Bldg., Des Moines, Ia.
"Silo Bldg., Kansas City, Mo.

Save \$35 to \$50

Yes sir, I'll save you \$35 to \$50 in the first cost alone on the best, most modern, most sanitary and closest skimming cream separator ever built. When you buy the

New Galloway Sanitary

—you pay just one small profit above actual cost of materials and labor. Why pay any dealer \$85 to \$110 for an inferior machine. Buy direct and save one-half. Get my

Special 1913 Offer and

90 Days FREE TRIAL

test for this machine right on your farm. The new Galloway Sanitary skims to a trace, gears run in oil—easy to run—easy to clean. Sold direct. Backed by \$25,000 bond. Write for new catalog and special 1913 offer that will help you get your machine partly or entirely without cost in the end. Write today.
WM. GALLOWAY COMPANY
43 Galloway Station, Waterloo, Ia.



Dairy Farming

CONDUCTED FOR FARMERS MAIL AND BREEZE BY A. G. KITTELL.

This department aims to be a free-for-all experience exchange for our folks who keep milk cows. We are glad to hear from you often. A Mail and Breeze subscription and other prizes awarded each week for helpful or interesting letters or bits of dairy news.

Milk cows need to be salted at least twice a week.

The average cow does her best work when from 5 to 8 years old.

Plenty of good water and shade will lengthen out the cows' pasture.

When feed gets scarce in pastures one cannot blame cows for trying the fences.

The safest preservatives for sweet milk are cleanliness and prompt cooling.

Just a little buttermilk in the butter soon makes it turn rancid in summer.

Early and late milking seems to be the only satisfactory way of solving the fly problem.

Where possible, a little grazing at night will help the cows keep up the milk flow at this time of year.

In the long run it is always a good plan to give a cow a dose of some laxative at the first symptom of udder trouble.

A good many farm folks look upon dairying as drudgery but where this is the case it is so because people have made it so, not because of necessity.

Maid Henry Hasn't Retired Yet.

Following the great milk record of Maid Henry, the 14-year-old Holstein cow owned by Kansas Agricultural college, many dairymen predicted she would be ruined. But the little task of producing 19,600 pounds of milk in her 13th year does not seem to have feazed the old cow in any way, as she recently gave birth to a male calf weighing 114 pounds.

Home Mixed Fly Repellent.

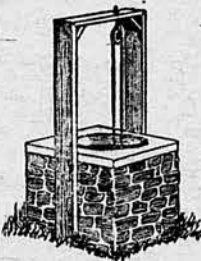
Will you please publish a formula for a good fly repellent for cattle?—J. H., Ne-maha county, Kansas.

The fly repellent recommended by the Kansas Experiment station is made up as follows: Dissolve 2 cakes of soap in warm water and mix in 1½ pounds of pulverized resin and ½ pint of fish oil. Then add water to make 3 gallons. When ready to use add ½ pint of kerosene and apply to stock with a brush or spray pump. Most cows stand best for the brush work. Use as often as needed, which will be about three times a week. A mistake is often made in not pulverizing the resin and another cause for poor success with fly dopes of all kinds is that they are not applied often enough.

Another Idea in Well Wheels.

[Prize Letter.]

Mr. Editor—Ice boxes are not to be had in many country homes but any farmer may have a substitute nearly if not quite as good by rigging up a contrivance like this in an open well. I have heard a good many people say they lose so much cream by hanging it in the well, as the water rises and upsets the pail. Instead of tying the rope to the curb get a 10-cent pulley or well wheel and suspend it as shown in the drawing. Attach the cream bucket on one end of the rope A and let the weight B serve as ballast. A leaky bucket may be used for B. Let down A until it reaches the water then put enough bricks or stones in B to equalize the weight while A touches the water. If the water rises A will go up with it and vice versa.
A. C. Whealy.
R. 7, Wellington, Kan.



HOT WEATHER the Ideal Time to Use a DE LAVAL CREAM SEPARATOR

There is no time when the use of the DE LAVAL Cream Separator is so indispensable to the profitable production of cream or butter as during the hot weather of midsummer.

The use of the separator at this season usually means the difference between a profit and a loss in dairying. It accomplishes a great saving of butter-fat that goes to waste with any other method of separation and enables the production of a higher quality of cream and butter-fat than is otherwise possible.



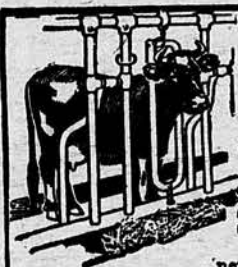
Moreover with a DE LAVAL the advantages over other cream separators are greatest at this season because the separation is more complete and the cream heavier and more even in texture. The machines turn more easily and the capacity is greater, getting the work through more quickly.

If you haven't a separator you can scarcely afford to defer the purchase of a DE LAVAL, or if you have a separator which is not doing satisfactory work there is no better time to discard it in favor of a DE LAVAL, first trying the machines side by side for your own satisfaction, which every DE LAVAL agent will be glad to give you the opportunity to do.

See the nearest DE LAVAL agent at once or if you do not know him write us direct for any desired information.

THE DE LAVAL SEPARATOR CO.

NEW YORK CHICAGO SAN FRANCISCO SEATTLE



Every Good Dairyman's Pride—

A clean comfortable cow, housed in a sanitary barn. You'll be prouder of your barn after it is equipped with

HARRIS Stalls & Stanchions

They never wear out, never get out of order.

The simplest and most serviceable devices of their kind. A comfortable cow gives more and better milk. This means bigger profits from your herd. Write for our **Illustrated Catalog FREE**. Tells all about our labor saving barn equipment. Ask for it on a post card today.
The Harris Mfg. Co., Box 190 Salem, Ohio

AUTOMOBILE USERS

Protect Your Tires With

WOODWORTH TREADS

Woodworth Treads are steel-studded leather tire protectors. They are puncture-proof and one of the best possible anti-skids. They preserve the tire enough to pay much more than their cost. Anyone can easily apply them to any make of tire.
Sold by all first-class supply houses.
Send for Free Booklet "Preservation of Tires."
LEATHER TIRE GOODS CO.
Manufacturers Niagara Falls, N. Y.

Write for
Folder

ECONOMY STEEL SILO ROOF

No silo is complete without it. For Round Silos—wood, cement, hollow tile, brick or concrete.

26 gauge steel. Easy to put on. Rust and Lightning Proof.

DES MOINES SILO & MFG. CO., 512 NEW YORK AVE., DES MOINES, IOWA.

UNIT STEEL SILO DOOR FRAME

FOR BRICK, HOLLOW TILE, CEMENT AND CONCRETE

Gives masonry silos every advantage of steel silos. Rigid door frame, continuous ladder, bevel refrigerator doors, each door a unit. Write for folder.

UNIT STEEL SILO DOOR FRAME CO., 2933 N. SECOND ST., DES MOINES, IA.

At Last—A Perfect Silo

It's the famous indestructible Air-Tight Columbian—made of steel. The cheapest and best silo possible to erect. The silo that will not shrink, crack, warp nor sag. It is built for service, will last a life time, and is absolutely trouble proof. The heavy reinforced joints and round, tight steel hinge doors of the Columbian guarantee perfect ensilage—which means more profit to you.

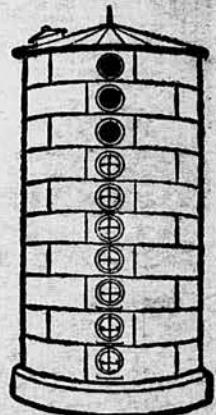
Learn the Truth—Get It Now

We want every subscriber of this paper to have and read our Big Illustrated Catalog and we will send you a copy Free for the asking. Simply fill out the coupon, sign your name and mail today. This catalog is cram full of rock bottom information regarding the Columbian Steel Silo—information you want to know—and which is worth dollars to you. Get this book now. Learn first hand just what a Columbian Steel Silo means to you. Let us tell you why the Columbian is better and costs less than any other. Write today.



COLUMBIAN Steel Tank Company,

1605 West 12th St.
KANSAS
CITY,
MO.



SILO DEPT.
COLUMBIAN STEEL
TANK COMPANY,
Kansas City, Mo.

I intend building a silo to hold about..... tons. Please send me estimate of price, also your silo catalog. Signing this coupon obligates me in no way.

Name.....
Town.....
State..... R.F.D.....

20 Distributing Points in the U. S.

SCHOOLS AND COLLEGES

Terre Haute VETERINARY COLLEGE
U.S. ACCREDITED SCHOOL
ILLUSTRATED CATALOG FREE

ARKANSAS CITY BUSINESS COLLEGE
The college to send your boy or girl to obtain a commercial stenographic education. Write for 1913 college catalog. Tells about the college, price of tuition and surroundings. Address the manager, E. G. BETZ, Arkansas City, Kansas.

KANSAS CITY Business College

Environment, influence and faculty absolutely the best. Thousands of satisfied students; highest endorsements. Students aided in defraying expenses. Young Women's Christian Assn., Bldg., 1020 McGee St. Kansas City, Mo.

CENTRAL Business College

13th and Oak, Kansas City's Largest Business School. New Scholarship Plan. Free Employment Bureau. Write for free catalog.



The U. S. Civil Service
offers salaries to start of \$900 to \$1,200, with short hours and sure pay.

We prepare for Stenographic, Bookkeeping and Clerical examinations. Write for Catalog A.
Dougherty's Business College
Geo. E. Dougherty, Pres.
Topeka, Kan.

WICHITA BUSINESS COLLEGE

WILL G. PRICE, President

Seating Capacity Increased 50%.

The three story addition now being built will increase our seating capacity more than half, giving us 16,000 square feet of floor space. This will enable us to add still more advanced instruction and equipment, and to install several new departments. Steam heat, electric fans, sanitary drinking fountains, a modern ventilating system, perfect lighting arrangement, electric vacuum sweepers to do away with dust annoyance, adequate office equipment to acquaint students with practical, time-saving devices—these are some of the physical advantages that are offered our students because we know how important it is to insure a student's comfort if he is to do his best work. Don't you feel you will do better in such pleasant quarters than in the ordinary school? Write now—right now. Address

Secretary Hunt, W. B. C.,
Wichita, Kansas

LAWRENCE Business College

Largest and best Business College in the West. Capacity 1000 annually. Write for catalog.

Free Ticket to Chillicothe, Mo. to visit JACKSON UNIVERSITY OF BUSINESS. Finest quarters; free night school; positions guaranteed; dancing hall and dancing teacher. Board \$2.50. Backed by World's Desire Bureau. For catalog and free ticket address Walter Jackson, Pres., Chillicothe, Mo.

NO POSITION, NO PAY

ATTEND ON CREDIT

and pay us when in position. 25 years of prestige. 900 students from 27 states, Mexico and Canada. 12 Instructors, 7 Assistants, 4 buildings, 115 typewriters, 3 College Banks, College Band, Athletic Park. Car fare paid. Write for free catalog.
CHILICOTHE BUSINESS COLLEGE
2244 Monroe St., Chillicothe, Mo.



LEARN THIS SECRET

I have a secret I want to tell to every young man and young woman who is contemplating going to a Business College this year, and I will give you the full details if you will write me. This information is not only worth dollars to you, but will assist you in the selection of a good school—and if you do go to school this year you want to go to a good one. Get this information now—before you decide on any school. A postal or letter will bring it to you, together with my Big Free Illustrated Catalog. You obligate yourself in no way. Write me today. C. W. RANSOM, Pres.
RANSOMIAN BUSINESS SCHOOL
386 Minor Bldg. KANSAS CITY, MO.

BE A WINNER

Secure a real, Expert Business Training, from Thorough, Competent, Expert Business Teachers. Learn Stenography, Bookkeeping, Penmanship, Auditing, Accounting, Banking, Farm Accounting, Merchandising and General Business. Living expenses reasonable. No solicitors. Big Illustrated Catalog Free. Send for it.
D. L. MUSSELMAN, President.
GEM CITY BUSINESS COLLEGE
Lock Box 144, QUINCY, ILLINOIS.

Learn Telegraphy

Earn from \$55 to \$175 per mo. You can qualify in 4 mos. R. R. operators in demand—positions guaranteed with U. P. R. R. or I. C. R. R.—75% of all R. R. officials began at the key. Fall term opens Sept. 1. Write today for FREE catalog and testimonials from successful graduates.
Armstrong Telegraph & R. R. School
909-A Grand Ave., Kansas City, Mo.

Learn Telegraphy
A practical school with railroad wires. Owned and operated by A. T. & S. F. R. Ry. EARN FROM \$50 TO \$165 PER MONTH. Write for catalogue.
SANTA FE TELEGRAPHY SCHOOL
Desk G, 505 Kansas Ave., Topeka, Kan.

Become Railway Mail Clerk

START OUT AT \$75.00 PER MONTH
Parcel Post makes demand greater than ever. 70 per cent insures you employment for life, rapid promotion. We offer other Civil Service Courses. Attend on credit and pay us as government pays you. 4 big buildings, College Band, Athletic Park, Beautiful Campus. Write for catalog.
Chillicothe School of Civil Service
44 McNally St., CHILICOTHE, MO.

ROCKINGHAM PRIVATE BOARDING SCHOOL

For Boys and Girls

Private tutoring in all branches. Write for full information. Effie Holbrook Stuttle, Prin. 2724 Independence Ave., Kansas City, Mo.

EARN UP TO \$3000 PER YEAR

Be an expert Stenographer, Bookkeeper, Accountant, Auditor, Penman or Telegrapher. Learn Banking, Railroad, Merchandising, Civil Service or Advertising by our easy, practical method of Expert Business Training. Tuition low; positions guaranteed. Banks, Railroads and Business Men everywhere seek our graduates. Write today for Free Illustrated Catalog.
Kansas Wesleyan Business College, Salina, Kansas



Be an Auto or Tractor Expert!

Six weeks from the day you enter this great practical school you will be able to repair any make of automobile and drive any car on the market. Big demand for our graduates as Repair Men, Salesmen, Demonstrators, Garage Managers and Drivers.

Earn \$75 to \$200 a Month

Auto experts make big money, many make \$75.00 to \$200.00 a month and more. The road expert for the Studebaker Auto Company and the Master Mechanic of the Winton Motor Car Company are examples of the efficiency of this school. Scores of our graduates hold responsible positions—there is a big opportunity for you.

Tractor Course FREE

Every student who answers this advertisement and enrolls within the next sixty days will be entitled to our course in Tractor Engineering without extra charge. You can't afford to miss this—actual experience. Practical instruction—brand new tractors. Don't miss this free course.

Get Free Book

It tells you all about the money-making opportunities in the Automobile and Tractor field and how to prepare yourself for a responsible position. Send your name and address today for one of these free books.

AUTOMOBILE TRAINING SCHOOL
1003 Locust St., Kansas City, Mo.

Efficiency in Agriculture, Engineering, Home Economics

THE KANSAS STATE AGRICULTURAL COLLEGE
offers instruction in the School of Agriculture, with three-year Courses in Agriculture, Mechanic Arts, Home Economics, admitting students on common school standing. College of Agriculture and Mechanic Arts, with courses in Agriculture, Engineering, Home Economics and Veterinary Medicine, admitting students on high school standing. Fall term opens Sept. 16, 1913. Send for one or both of the following pamphlets: School of Agriculture, College Courses and the catalogue. (Correspondence Courses Offered.) Address The Registrar, KANSAS STATE AGRICULTURAL COLLEGE, Box D, MANHATTAN.

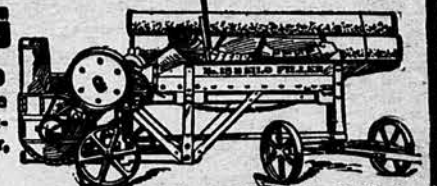
Hardin College and Conservatory for Young Women
Endowed, State Charter, Officially Standardized as a Junior College by Mo. State University. Courses in Art, Eloquence, Music, Domestic Science and Business. German-American Conservatory—German Standards. Modern Equipment. For Catalogue address
JOHN W. MILLION, A. M., President, 1232 College Place, Mexico, Mo.

NEBRASKA SCHOOL OF BUSINESS

All commercial courses. Finest school building and equipment in the West. Easy enrollment plan. Send for "The Evidence." Address,
W. M. BRYANT, Pres., 112 So. 14th St., LINCOLN, NEB.

SECTIONAL CORRUGATED METAL STACK COVERS
SAVE ALL ALFALFA—PAY BIG PROFITS
More economical than barns or sheds. Corrugated sheets are 29 times as strong as plain. Being made in sections, occupies but little space when not in use. Shipped in bundles and takes lowest freight rate. Saves Alfalfa in better shape than if stored in a barn. Made in all sizes. Easy to put on. Will last a life time.
FARMER AGENTS WANTED
Write today for literature and special agents prices to one man in each locality.
THE MARTIN METAL MFG. CO., Dept. C Wichita, Kan.

APPLETON SILO FILLERS
Handsome, illustrated booklet giving 30 convincing reasons for buying the powerful, low down, underslung, cut-under oak frame, Appleton Silo Filler, mailed free. Write for it to-day.
APPLETON MFG. CO., 497 FARGO ST., BATAVIA, ILL., U. S. A.



tire country than this child labor and sweat shop question. It is an evil that affects us all, for it strikes at the very foundation—what we regard as most sacred of all—the family. Child slavery is a crime against our citizenship because it prevents normal manhood and womanhood; it prevents rearing children into strong, intelligent, patriotic citizens. It means degeneracy and adult misery, and adult ignorance means misery and disaster.

In Kansas we find it pays to raise good pigs and good calves, but far more important is it to remember that it pays still better to rear strong men and women. We cannot do it with a lot of weaklings, and we are bound to get weaklings from overworked, underfed boys and girls.

It is a hopeful sign that Kansas and many other states have invited the women to share the responsibility of dealing with these serious problems. Here is where our responsibility lies: To pass and enforce laws that will prevent greedy employers and ignorant parents from permitting child labor that will hinder the development of the fu-

ture citizens. We must have the courage to insist that the child has rights which the parent must not violate and that the family owes to society that its children and future citizens shall in every sense be free men and women, properly equipped to take their places as useful and efficient members of our social order.

To be sure, there is strong opposition, entrenched behind selfishness, greed and ignorance, powerful legislative lobbies are maintained by corporations to defeat the measures that are in the interest of childhood. But the force of an increasing public opinion is hastening the day when every commonwealth shall guarantee the children of all the people the right not only to be well born, but to have a prolonged play time and know the joy of youth, the right to normal physical and mental development, to a useful education and all the opportunities that make for home-building, good citizenship, general well-being and progress.

Arthur Capper

FARMERS CLASSIFIED PAGE.

Advertisements will be inserted in this department at the low price of 5 cents per word each insertion for one, two, or three insertions. Four or more insertions only 4 cents per word each insertion. Cash must invariably accompany the order. Remit by postoffice money order. No order taken for less than \$1. This does not mean that a single insertion of your ad must cost \$1, but that your total order must reach \$1. All advertisements set in uniform style. No display type or illustration admitted under this heading. Each number and initial letter counts as one word. Guaranteed circulation over 104,000 copies weekly. Everybody reads these little ads. Try a "Farmers Classified" ad for results.

WHY NOT ADVERTISE YOUR LIVESTOCK ON THIS PAGE?

If you have a few pigs, a young bull or a Jersey cow to sell, this is the place to find a buyer. The rate is only 5 cents a word per issue. If you need anything in the way of breeding stock, try a small ad on this page.

HORSES, CATTLE, HOGS, SHEEP.

REGISTERED Jersey bulls, Sable & White Stock Farm, Seward, Kan.

REGISTERED Shropshire rams, Duroc boars, cheap. Arthur Bennett, Topeka, Kan.

TWO registered Holstein bulls, serviceable ages, choice ones, priced right. F. J. Searle, Okaloosa, Kan.

FOR SALE—10 extra fine, Dec., Poland China boars. Herd headers. Otis Warrenburg, Centralia, Kan.

SOME choice Jersey bulls that must be sold quick. Two nearly ready for service. Chester Thomas, Waterville, Kan.

HORSE OWNERS, something new and better; sure, quick, simple cure for spavin, ring bone, poll evil, fistula, big jaw. Write for easy trial lot offer. D. Hopkins, St. Francisville, Mo.

FOR SALE.

SECOND HAND motorcycles. D.H. Bibenz, Larned, Kan.

FOR SALE—Two gas tractors. S. B. Vaughan, Newton, Kan.

VIRGINIA DEER. Yearlings, fawns. Four year buck. A. W. Dodge, Salina, Kan.

TRANSFER and storage business for sale in good town. Address N. care of Mail and Breeze.

ONE 18 horse power Olds gasoline engine at a bargain if taken quick. F. B. Bonebrake, Osage City, Kan.

THREE GREAT PIANOS—Steinway, Steck, Vose. Write for prices. Jenkins Music Co., Kansas City, Mo.

ALFALFA FOR SALE—Non-irrigated alfalfa seed. Send for prices and samples. Ross Brothers Seed House, 301 E. Douglas, Wichita, Kan.

NEW extracted honey 120 pounds \$10.00; 60 pounds \$5.25. Broken comb, 115 pounds \$12.00; 58 pounds \$6.25. Bert W. Hopper, Rocky Ford, Colo.

FORD touring car, good running order, fully equipped, electric light, \$325. Cushman binder engine, 3 horse, \$60. John Evans, Barneston, Neb.

FOR SALE—Home canning plant, steam equipped and practically in good condition. 250 to 1,000 cans per day. A trucker's plant right. H. A. Stine, Holton, Kan.

A FULL SET of up-to-date blacksmith tools in good condition, in the best farming country. For particulars write C. E. Pacak, P. O. Box 24, Holsington, Kan.

SINCE I have no use for it, I offer for sale one "Little Giant" wagon dump and grain elevator. New, never been used, at a sacrifice. Frank Weeks, Assaria, Kan.

FOR SALE—Three thousand seasoned hedge posts. Posts 6 to 10 feet long; 2 to 6 inch sizes. Mixed posts including 350 corners. 12½¢ each here as they come. Box 211, Winfield, Kan.

FOR SALE—New 14 in. steel-beam, self-sharpening, walking plows, \$9.00 delivered your station, guaranteed absolutely satisfactory or money refunded. McReynolds Transfer & Storage Co., Chickasha, Okla.

FOR SALE—Threshing rig, one 20-horse power Case engine, one 36 by 56 Peerless separator, with feeder, wind stacker and weigher, water tank, and tender. Run one season and in good shape. Ed Drew, Rexford, Kan.

FOR SALE—New patented corn and cotton stalk cutter. Fits any plow. Cuts stalks while plowing. Costs little to make at home. Guaranteed. Send two dollars for plans of this labor saver. Reference, Huntington Nat. Bank, G. A. Board, Huntington, W. Va.

TOBACCO STEMS.

TOBACCO STEMS. \$2.00 per case of 100 lbs. or over. Good for sheep-dip and exterminating lice on chickens and insects on all vegetation. C. S. Eagle, 710 Jackson St., Topeka, Kan.



FOSTER'S FORECASTS

(Copyright 1913 by W. T. Foster.)

Washington, D. C., July 19.—Last bulletin gave forecasts of disturbance to cross continent July 24 to 28, warm wave 23 to 27, cool wave 26 to 30. This disturbance will include last part of the severe storm period and is expected to cause lower than usual temperatures. Not far from July 28 the storm forces will suddenly increase very much as they did on July 5 when dangerous

storms occurred in many parts of the country.

We are now, July 19, at the beginning of a 10 days' period of dangerous storms and again we hang out our danger signals, warning all to take no risks. Many have written us saying that they desire to go voyaging last half of July and asking us for the best dates. We cannot give any dates in this month when it will be safe to go on water and one feels safer at home when dangerous storms are expected.

Next disturbance will reach Pacific coast about July 28, cross Pacific slope by close of 29, great central valleys 30 to August 1, eastern sections August 2. Warm wave will cross Pacific slope about July 28, great central valleys 30, eastern sections August 1. Cool wave will cross Pacific slope about July 31,

great central valleys August 2, eastern sections August 4.

This will be a severe storm all the way across the continent but will be most severe on Pacific coast and slope not far from July 28. Temperatures will average lower than usual. Rain-fall will average less than usual, but some very heavy rains will occur in small sections.

Ammonia Bombs Check Fires

Ammonia bombs are being tried out on some of the national forests for the purpose of extinguishing forest fires. They are said to have worked well in the case of brush fires where the fire-fighters find difficulty in getting near enough to the burning area to beat out

SEEDS AND NURSERIES.

WHIPPOORWILL cowpeas re-cleaned and good seed \$2.25 per bu. Herman Ruppel, Inola, Okla.

ALFALFA SEED for sale. I have about 100 bushels of choice alfalfa seed for sale at \$7.00 to \$8.00 per bushel f. o. b. cars. Ask for samples. E. A. Fulcomer, Belleville, Kan.

ALFALFA SEED—I have about 25 bu. of extra fine alfalfa seed free from thistle and other noxious weed seed. \$8.50 f. o. b. Republic City, Kan.; sack included. Address H. E. Clark, Republic, Kan.

SITUATION WANTED.

WANTED—Position as engineer with steam threshing rig. Four years' experience. W. D. Blair, Mexico, Mo.

WANTED—Position as farm manager. Soil and farm improvement my specialty. Profit sharing plan only. Good references. Can take charge Sept. 1st. A. Reeves, Conway Spgs., Kan.

OIL.

WRITE us for prices on oil and greases. Complete line; lowest prices; immediate shipments. The Neosho Valley Oil Co., Chanute, Kan.

PATENTS.

SEND FOR FREE BOOKLET. All About Patents and Their Cost. Shepherd & Campbell, Patent Attorneys, 500 C. Victor Bldg., Washington, D. C.

IDEAS WANTED—Manufacturers are writing for patents procured through me. 3 books with list 200 inventions wanted sent free. Advice free. I get patent or no fee. R. B. Owen, 34 Owen Bldg., Washington, D. C.

DOGS.

SCOTCH COLLIES. Western Home Kennels, St. John, Kan.

THOROUGHbred collie pups. R. J. Foster, Route 2, Topeka.

SCOTCH collie pups, from registered heifers. Box 66, Iuman, Kan.

FOR SALE—Cheap; Scotch collie pups; farm raised. Can be registered. Belden Bros., Hartland, Kan.

SCOTCH COLLIES—Pedigreed, workers and show dogs. Shipped anywhere. Welcome Arch Collie Kennels, 1833 East 28th Ave., Denver, Colo.

\$25.00 REWARD.

STOLEN, June 14, 1913, one black mare, 5 yrs. old, weight 1,250, good flesh, irregular white spot in forehead, old collar bolt knots on both shoulders, sweeney right shoulder partly filled out, wire scar right front foot above hoof inside, hoof rough and rigid inside, hock joints rough and little large. Wire or phone information my expense. W. F. Rockwood, Sheriff, Cottonwood Falls, Kan.

MISCELLANEOUS.

E. R. BOYNTON HAY CO., Kansas City, Mo. Receivers and shippers. Try us.

MISSOURI AUCTION SCHOOL, largest in world. Own largest living mule, 1404 Grand, Kansas City.

PLACES found for students to earn board and room. Dougherty's Business College, Topeka, Kan.

STANDARD and latest popular sheet music, 10¢ a copy. Send for catalog. Cole Music Co., The Franklin, Washington, D. C.

THE ANDERSON LOADER, loads manure, cornstalks, stockbottoms, dirt, gravel, sand; no hand work. Write Anderson Mfg. Co., Osage City, Kan.

POULTRY MAGAZINE—Big 40 to 80 page illustrated magazine of practical, common sense chicken talk. Tells how to get most in pleasure and profit from poultry raising. 4 months on trial only 10¢. Poultry Culture, 904 Jackson, Topeka, Kan.

Carey Act Land Opening

Beginning August 7, 1913. 3,600 Acres Near River Valley, Utah. Low Prices, Easy Terms and Long Time. Also 9,000 Acres of deeded land in the Neponset Tract to be sold at low prices. Easy Terms. Long Time.

Write for complete information. Summer Tourist fares (1st class) daily, to and including Sept. 30, 1913, and Homeseekers' fares (second class) 1st and 3rd Tuesdays of each month.

R. A. SMITH
Colonization & Industrial Agent
Union Pacific Railroad Co., Room
138, Union Pacific Bldg.,
OMAHA, NEB.

the flames. Each bomb exploded will extinguish fire in a circle of about 5 yards in diameter.

BIG BARGAINS IN REAL ESTATE

Dealers whose ads appear in this paper are thoroughly reliable and bargains worthy of consideration.

Special Notice

All advertising copy, discontinuance orders and change of copy intended for the Real Estate Department must reach this office by 10 o'clock Saturday morning, one week in advance of publication to be effective in that issue. All forms in this department of the paper close at that time and it is impossible to make any changes in the pages after they are electrotyped.

WRITE J. M. McCown, Emporia, Kansas, special bargain list, farms and ranches.

FOR SALE—Imp. 1/2 sec. stock farm. Also wheat quarter. J. H. King, Cawker City, Kan.

320 A., finest stock and grain farm eastern Kan. Watkins Company, Quenemo, Kan.

340 ACRES well imp., \$37.50 per a. Other bargains, send for list. H. J. Walrad, Moran, Kan.

MORTON COUNTY—Write for new list of snaps and information regarding this country. Luther & Co., Rolla, Kan.

FOR EXCHANGE—600 a. fine land, Wharton Co., Tex. Want Gen. or E. Kan. land. Write for information. Walter Hanson, Sabetha, Kan.

320 ACRES Franklin Co., Kansas. 1 mile town, new house and barn, good location. \$60 a. A. E. Clark & Son, Pomona, Kan.

BARGAIN: 80 a. imp. 4 miles out. \$3,800. Send for land list. F. C. LIBBY, Blue Mound, Linn Co., Kansas. J. L. Wilson, Salesman.

GET on the new R. R., where land only sells for \$10 to \$15 per a.; best land in state; fine water. Life Real Estate Co., Hugoton, Kan.

MUST SELL Fractional quarter Franklin Co., 4 mi. railroad, fine improvements; living water, alfalfa and tame grass land. Terms. Porter Land Co., Ottawa, Kan.

WIDOW MUST SELL a clean, clear \$3,500 stock general mdse. at a sacrifice. Poor health the cause. A little cash, bal. approved security. J. A. Decker, Valley Falls, Kan.

ROOKS CO., Kansas, snap; 160 1/2 miles of Paico, well improved, all fine land, ideal home and money maker, for thirty days can sell at low price of \$36.50 an acre. Some terms. Buxton, Utica, Kan.

CLARK CO., KAN. 800 a. 7. mi. south of Bloom, 12 of Minneola; 400 broken and planted 1913. About 200 hay and grazing; inexhaustible springs; fenced; \$15,000. Terms. Owner, Robt. C. Mayse, Ashland, Kan.

ARK. land, 444 a., sandy loam adjoining town of Washington; large house, 4 tenant houses, fine timber, plenty water, 80 a. Bermuda grass, \$25 a. Terms. Write for list. Horton & Co., Hope, Ark.

FOR SALE BY OWNER. 16 quarters, adjoins German settlement Minneola. Small pay, bal. 8 years 6%. Write at once. Box 317, Minneola, Kan.

JEFFERSON COUNTY BARGAINS. 195 acres, improved, 4 miles out, \$4,250.00. 160 acres, improved, 4 miles out, \$50 per a. 80 acres, improved, 4 miles out, \$60 per a. 100 acres, improved, 5 miles out, \$65 per a. 80 acres, improved, 3 miles out, \$70 per a. 200 acres, finely improved, 3 mi. out, \$70. COMPTON & ROYER, Jefferson Co., Valley Falls, Kan.

ALFALFA FARMS Write for list of farms and ranches near the best college town in the state. T. B. GODSEY, Emporia, Kan.

CHASE COUNTY BARGAINS. 480 acres, 180 acres cult., creek bottom, 65 a. alfalfa, best of water, fine improvements; 2 1/2 miles of town. R. F. D. and telephone. Price \$50 per acre. Other farms. A. J. KLOTZ & CO., Cottonwood Falls, Kan.

160 ACRE SUBURBAN FARM, 2 1-2 Miles From City

135 acres under cultivation, 10 pasture, 10 prairie meadow, 5 a. peach orchard, 6 room house, small barn, granary and sheds, second bottom land, no overflow, on main public highway, within 2 1/2 miles of the city of Coffeyville, Kansas, population 20,000, over 100 acres alfalfa land. Price \$55.00 per acre, one-half cash, balance time. ETCHEN BROS., Coffeyville, Kan.

Good Quality at Low Cost

235 acres near Garnett, Kansas, most blue-stem meadow, low price, 60 acres, well improved, 3 mi. of town, subject to one year lease, 160 acres, 1/2 mi. of town, well improved. SPOHN BROS., Garnett, Kan.

SECTION, 1/4 alfalfa land; balance hay or pasture. Fine imp. Plenty of water. Five miles town. P. D. Stoughton, Madison, Kan.

266 ACRES, improved, 115 acres bottom land. Write for description and terms. W-P Farm & Mortgage Co., Burlingame, Kan.

320 A. good land in Stevens Co., Kan., 6 r. house, stable, well and mill; 100 a. cult.; ideal stock or dairy farm; carry \$1,250 if desired. John A. Firmin, Hugoton, Kan.

80 ACRES in Greenwood county, just fairly improved. Price \$3,200. Terms, \$500 cash, balance like renting. Address owner, Lock Box 367, Iola, Kansas.

80 ACRES, 1 mile from county seat, Osage Co., Kan. 6 room house, barn, plenty water. Grass land except 10 acres. High school and church. W. M. Rock, Lyndon, Kan.

AT \$11.00 PER ACRE. 12,000 a. ranch in Meade Co., Kan. 1,000 in cult., over 50% tillable, plenty water and grass, only 2 mi. from town. Terms on part; will divide nicely into smaller farms. Prairie Bros. Realty Co., Bremen, Kan.

I HAVE the finest grain, stock, and alfalfa farms in Sumner county, from \$45 and up, per acre. Well improved. Good water. Fruit and vegetables. Write me what you want. Information free. I also make exchanges. Write to H. H. Stewart, Wellington, Kan.

McPHERSON COUNTY, KANSAS. 160 a. improved, all tillable, must be sold soon to close estate. Bargain \$6,500. Write for particulars. 80 a. well improved, all smooth land, \$4,000, \$300 down, bal. 6 per cent. Write Box 41, McPherson, Kan.

ALFALFA AND WHEAT LANDS at \$20 up. Grass lands \$10 up. Crops are good; prices are rapidly advancing—NOW'S the time to buy. List free. A few exchanges considered—they must be lit edge. WILLIAMS & PICKENS, Meade, Kan.

STOCK RANCH IN CHASE CO., KANSAS. 1,824 acres, 4 miles from railroad; 150 acres cultivation, some alfalfa; balance finest blue-stem; fine springs and stream; improved; price \$50,000. Terms; no trades. Other farms and ranches. J. E. BOGCOCK, Cottonwood Falls, Kan.

BUTLER CO. RANCHES. 3,000 acres imp., 300 cult., bal. best blue-stem pasture. \$30.00. Terms. 3,700 acres, no imp., fenced. Permanent water. All pasture. Close to R. R. \$25.00. Terms. Other smaller ranches and farms. V. A. OSBURN, Eldorado, Kan.

LINN COUNTY FARMS. Biggest bargains in Kansas. Corn, wheat, timothy, clover, bluegrass land \$15-\$30. Coal, wood, gas, abundance good water. Fruit, everything that goes to make life pleasant. Large illustrated folder free. EBY-CADY REALTY CO., Pleasanton, Kan.

ALONG THE NEW RAILROAD, IN THE SHALLOW-WATER COUNTRY. Large and small tracts, improved and unimproved ranches, on easy terms, in Has-kell, Grant, Stanton, Stevens and Morton counties, Kansas; Texas county, Oklahoma; and Baca county, Colorado; ALONG THE NEW RAILROAD NOW being built by the Santa Fe from Dodge City to Colmar, N. M. GET MY PRICES AND TERMS. FLOWING ARTESIAN WELLS — INEXHAUSTIBLE UNDERFLOW. Agents wanted. DON VAN WORMER, Rolla, Kansas. Richfield, Kansas.

122 acres, all tillable, located 3 miles of town; 15 acres bluegrass pasture; 5 room house; barn 30x40; large chicken house; two never failing wells; price \$65, terms to suit. 160 acres located in Franklin Co., all tillable; 90 acres in cultivation; 60 acres in native grass. Price \$50 per acre. 47 acres located one mile of town; good 5 room house; barn 30x40; chicken house; other outbuildings; free gas; all of buildings are in good condition; 15 acres alfalfa; 25 acres hog tight; two never failing wells and cistern; cave. Price, if sold at once, \$5,500.00. Terms to suit. Mangfield Land Co., Ottawa, Kan.

Good Quality at Low Cost. 235 acres near Garnett, Kansas, most blue-stem meadow, low price, 60 acres, well improved, 3 mi. of town, subject to one year lease, 160 acres, 1/2 mi. of town, well improved. SPOHN BROS., Garnett, Kan.

SOME BARGAIN! I am going to change my location and I have three farms to sell, and must sell regardless of price. Write for price and terms. J. D. Reneau, La Cygne, Ks.

COMANCHE COUNTY BARGAIN. 480 a. improved, 9 miles from Coldwater. 173 a. fine growing wheat, all goes, for quick sale, price \$27.00 per a. Terms if desired. C. A. HEATON, Larned, Kansas.

FOR SALE. 320 acres level wheat land \$9.00 per acre. Carry 1/2 on land. Also many other good bargains in corn, wheat and alfalfa lands. L. E. PENDLETON, Dodge City, Kan.

FARMS FOR THE POOR. Imp. E. Kan., Neb. and Mo., EASY PAYMENTS, or exch. Also Topeka homes. Kaw Valley Exchange, 104 E. 6th, Topeka, Kan.

SEDGWICK COUNTY FARM BARGAINS. 80 a. farm near R. R. town, good 6-room house, large new barn, orchard, fine water, good land, only \$4,500.00. Terms, one-third crop. 145 acre farm, good house, 2 barns, best land, \$58 per a. Terms to suit. 21 a. bottom farm, good house, barn, 12 a. alfalfa, in suburbs of Wichita, \$6,500. 280 a. bottom farm—an alfalfa proposition; soft water, 15 feet any place on farm. \$50.00 per a. Terms to suit. Call or write H. E. OSBURN, 227 E. Douglas Ave., Wichita, Kan.

LOUISIANA DON'T be a renter; we sell finest improved corn land in North Louisiana on 15 years' time. Write HUGO JACOBSON, Salina, Kansas, immigration agent.

LOUISIANA LANDS. We offer some bargains in Louisiana lands near Shreveport. Write for free map of state. W. A. Jones, Shreveport, La.

FLORIDA FOR SALE BY OWNER: Four very desirable improved pieces of property in Alachua county, Fla. 90, 20, 30 and 30 acre tracts on large lake. Not to be classed with the ordinary Florida lands being offered for sale. Terms to suit customers. T. S. McManus, Waldo, Fla.

NEW YORK WE HAVE all kinds of farms for all kinds of people. Bargains coming every day. Write for catalog. Hall's Farm Agency, Owego, Tioga county, N. Y.

CANADA For sale, improved farms, ranches and raw lands in Southern Alberta. LYNN W. BARRETT, Aldersyde, Alberta.

FOR SALE OR EXCHANGE

GROCERIES for land or land for mdse. F. Gass, Joplin, Mo. EXCHANGES—all kinds—free list. Foster Bros., Independence, Kan. TRADES everywhere. Get our large list. Burrow's R. E. Ex., Warm Springs, Ark.

\$16,000 GENERAL merchandise, never changed hands; for good Kansas land. A. W. BREMEYER & CO., McPherson, Kan.

WANTED GOOD FARMS in exchange for first class Kansas City income property. List your farm. O. F. Hunter, Independence, Kan.

EASTERN KANSAS farms. 360 acres clear, imp., to exchange for hardware or general stock. Improved 240 a. clear, administrative sale. \$45 per acre. A bargain. Box 193, Garnett, Kan.

NICE smooth 160 acre farm Grant Co., Oklahoma, fair improvements, fine water, 4 miles of town, to trade for small farm near town or stock of merchandise. Write owner, J. M. Nowell, R. F. D. 1, Medford, Okla.

CHEAP LAND in northeast Kansas. 100 a. 40 mi. K. C., 7 mi. McLouth. Small house, good barn, good orchard, half in cultivation, timber, price \$2,500. Good 50 acre farm, small imp., 2 1/2 miles McLouth, price \$2,000. Send for list, submit your trades. W. M. Pennington, McLouth, Jefferson Co., Kan.

FOR SALE—Choice wheat, corn, and alfalfa lands, in Clark, Ford, and Meade Cos. Write for list, trades. NATE NEAL, Real Estate, Minneola, Kan.

FARMS, stocks, and city property for sale or trade. What have you to offer? Bigham & Ochiltree, 802 Corby-Forsee Bldg., St. Joseph, Mo.

GIVE ME full description of any really good property you wish to trade. I am in a position to do business. John D. Jones, Plains, Kan.

FOR EXCHANGE—320 a. well improved with two houses, 3 mi. to German Catholic church and school, eastern Kansas. Owner wants less land for his equity. W. L. Morris, Owner's Agency, Garnett, Kan.

FOR SALE OR EXCHANGE for stock of goods, livestock, or farm—5 good residences, 5 and 6 rooms. Good rent, some income. What have you to offer? Fletcher Davis, Hutchinson, Kan.

YOUNG FARMER'S CHANCE To trade a farm for a well established business in a thriving little town in West Central Kansas. Real estate and insurance, notary public, grain elevator, residence and office. Postoffice in building with a chance at it. Stock of John Deere and I. H. Co. implements, total about \$7,000. Address "P," care of Mail and Breeze, Topeka.

OKLAHOMA

N. E. OKLA. prairie farms. Easy payments. Write J. T. Ragan, Vinita, Okla.

160 A. good farm land 1 1/2 mi. this town. Only \$1,800, 1/4 cash, bal. 6%. Perry DeFord, Oakwood, Oklahoma.

80 ACRES, cotton and alfalfa farm, just ahead of oil field. \$30 per acre. Other farms. Write "Fitz," Davenport, Okla.

320 ACRES, 50% tillable, fine grass, in Washita county, Okla. \$15 per acre. 320 acres, small improvements, some bottom land, \$10 per acre. Write Robert L. Knie, Cordell, Okla.

FOR RENT, 500 acres first class bottom land joining Chickasha, Oklahoma. Level, no rock or stumps. Price \$4 per acre cash in advance. This farm is for sale also. Golden Gate Trust Co., Chickasha, Okla.

BEST alfalfa farm in Oklahoma. 90 a. growing alfalfa, 25 a. wheat, 25 a. oats; 3 mi. hog tight fence; one-half mile to \$50,000 federal building. The greatest bargain ever offered. One-half mile to this city. C. W. Smith, Kingfisher, Oklahoma.

OKLAHOMA ALFALFA, COTTON, WHEAT lands. 160, small improvements, 120 in cultivation, \$3,200. 320, mostly alfalfa land, \$12,000. 160, fair improvements, 140 alfalfa land, \$8,500. 320 stock farm \$4,000. Write for full information. R. L. Knie, Cordell, Ok.

230 A. 6 miles McAlester. All prairie, 100 a. tillable. Bal. meadow and pasture. Good neighborhood, rural mail, school close. Quick sale, \$10.50 a. No exchange. Crops good. Price advancing. Buy now and get share crop. Southern Realty Co., McAlester, Okla.

TEXAS

BRAZOS bottom farm, 320 acres, 110 cult.; 2 houses, very fine soil. \$45 per acre, 1/4 cash, balance easy. Winston McMahon, 317 Beatty Bldg., Houston, Tex.

CORN, cotton, potatoes and rice are making our farmers good money. Prices from \$25 an acre up. A few special bargains. Fidelity Immigration Co., Eagle Lake, Tex.

THE BEST cheap land proposition in the United States today. Wheat yielding from twenty to forty bushels per acre, all other crops equally good. Write us for particulars. J. N. JOHNSON LAND CO., Dalhart, Tex.

BARGAINS IN GULF COAST LANDS. FACTS about the Mid-Gulf Coast Country of Texas. Production, climate, rainfall, soil, markets, water. Large or small tracts. Write at once for free booklet and price lists. Reference given. John Richey & Co., Binz Bldg., Houston, Tex.

FOR SALE AND EXCHANGE.

Washington Co. improved farms at \$50 to \$180 a. Write F. E. Beeson, Washington, Ks.

FOR SALE OR TRADE: Farms of 80, 160, and 320 acres, to trade for merchandise, live stock, or good rental property. These farms in Wilson county, Kansas, well located and good soil. Price from \$40 to \$60 per acre, with small incumbrance. C. A. Long, Fredonia, Kan.

FOR SALE OR EXCHANGE, flouring mill for sale. Mill doing good business, custom and merchants' trade. Only mill in the best county in Okla. Banner wheat county. This is a straight clean business proposition, mill making money, but owners must get out. Will only consider good well improved land. Present owners will assist new management in taking over trade. Give full particulars in first letter. Kremer & Hodson, Manchester, Okla.

FOR SALE OR EXCHANGE. Modern equipped real estate, loan and insurance company, excellent business and territory, established 25 years, \$1,000,000 ins. on books. Profit last year \$1,800. Want real estate. For complete description on this money maker write Rayfield Realty Co., Horton, Kan.

Buy or Trade with us—Exchange book free. 160 Acres of land to exchange for Holsteins. H. N. HOLDEMAN, Meade, Kan.

Far Sale or Trade by Owner. 640 a. 6 mi. of Ingalls, Gray Co., Kansas; 170 a. in cult., 320 a. fenced; well, house, and barn. \$17.50 per a. Terms \$6,200 cash, bal. time at 6% int. or trade for small place as part payment. Address JAMES PIZINGER, Holsington, Kan.

For Sale or Trade

I want to sell an \$8,000 stock of general merchandise and \$5,000 stock of lumber. Stock in good shape and located in the best part of northern Okla. This business has made the present owner wealthy and he wishes to retire. Will take in trade a good farm in Harper, Sumner or Sedgwick Co., Kan., at a fair price. Refer to any whole-sale house in Anthony or Wichita, Kan. Address owner. H. S. DAVIS, Amorita, Okla.

Cream of Neosho Valley Alfalfa Land

990 acres of the best bottom land 1 mile from Chetopa, will produce choice alfalfa, wheat corn and potatoes. 450 acres in cultivation, 140 in meadow, 380 in pasture; acres alfalfa, cuts 4 and 5 crops a year, 500 pecan trees, some timber in pasture; main traveled road through farm; two sets of buildings, one 8 room house with barn 40x40, one 5 room house with barn 24x36, splendid orchard land, alluvial soil 25 feet deep, best of pure soft water in unlimited quantities at a depth of 25 feet, healthy locality, no malaria, no rough land, no bluffs or rocks, can be subdivided. Price \$48.00 per acre in payments. No trades.

160 acres splendid land; 50 acres in cultivation; 60 acres in meadow; hog and stock pasture; good orchard of young trees; six room house; barn 32x42, cribs and other outbuildings; 25 acres of this land is very rich bottom land; one of our best bargains; price \$5,500.00.

138 acres splendid alfalfa, corn and orchard land, one mile from Chetopa, Kansas; 160 miles south of Kansas City. High bottom land, never loses crop from overflow; 25 acres in alfalfa, cuts 4 crops per year; no irrigation necessary; 60 acres in wheat to be followed by alfalfa fall of 1913; all fenced, no buildings. \$50 per acre, easy payments. Other bargains, send for list.

J. B. COOK, Owner, Chetopa, Kans.

MISSOURI

WRITE Morris & Walker for list of south Missouri farms. Mountain View, Mo.

HOMESSEKERS farm list. Southwestern Land & Trunk Co., Springfield, Mo.

300 A. valley farm, Impr. \$20 acre. Maps, views free. Arthur, Mountain View, Mo.

\$5 DOWN, \$5 monthly, buys 40 acres grain, fruit, poultry land, near town. Price \$200. Other bargains. Box 372, Carthage, Mo.

300 ACRES practically all tillable, 4 miles from Amsterdam, Mo. 60 miles south of K. C. Well watered and fenced. No rock. Price \$52 per acre. J. D. Sage, Amsterdam, Mo.

VALLEY FARMS, \$25 to \$50; unimproved lands, \$6 to \$20; orchard and berry farms, \$40 up; water and climate unexcelled. Literature and free list. ANDERSON REAL ESTATE CO., Anderson, Mo.

SOUTHEASTERN MISSOURI LANDS—If you want to become independent, buy a farm in Scott Co., Mo., in the rich drained lands that raise anything and raise it certain. All we ask is a chance to "Show you." Prices very reasonable. Write F. S. Bice, Oran, Mo.

ONE of Howell Co., Mo., good farms. 279 a.; 170 cult., 9 room house, good cellar. Large barn, other buildings. Orchard, fine water. 3 mi. railroad town. 6 mi. county seat. West Plains, on R. F. D. and phone line. 1/2 mi. school. \$40 a. No trade. A. P. COTRELL LAND CO., Pomona, Howell Co., Mo.

FOR SALE. 320 acre stock ranch. Well fenced, well watered and good improvements. Four miles from Warsaw, Mo. Immediate possession. Price \$5,000. Terms. W. S. Davis, Warsaw, Mo.

A SNAP FOR THE CASH.

200 acres, 160 fenced, 120 cultivation. 3 1/2 miles to postoffice, 1 mi. to school, 10 to county seat. Good house and barn; everlasting spring, fruit; price \$4,000. Will give terms. KIRWAN & LAIRD, West Plains, Mo.

CASS COUNTY, MISSOURI.

40 acres, smooth and improved, \$90.00. 80 acres, fine second bottom, \$75.00. 120 acres, fine and dandy, \$75.00. These farms are improved, well located. Can give terms to suit; they are priced right.

CHARLES BIRD, Harrisonville, Mo.

FAMOUS BLUEGRASS LANDS.

160 a. 2 mi. King City, 31 mi. St. Joseph, well improved, all under plow, plenty of water and practically all hog tight fencing, splendid state of cultivation, \$125 per a. clear. 80 a. 2 mi. out, well improved, all under plow, \$135 per a. 240 acres, well improved, 1 mi. out, every foot tillable, ideal home, plenty of water and beautiful location, \$140 per a. Very best farms in the famous bluegrass belt of Missouri. No trade. W. L. BOWMAN REALTY CO., King City, Mo.

POLK COUNTY FARMS

For Sale or Exchange. Ideal climate, pure water, fine pastures, short feeding season, productive soil, prices and terms to suit. HARRY T. WEST REALTY CO., Belvoir, Mo.

Ozark Unimproved Farm Bargain

150 acres of good unimproved farming land, near Van Buren, county seat of Carter Co. Fine pasture land, good for dairy, fruit and in fact you can raise almost anything you can raise in the North. Located in the Ozarks of Missouri. Makes the climate the very best. Excellent water. Price \$10 per acre. For full particulars write JOHN M. CARNAHAN, Van Buren, Mo. (County Recorder Carter Co.)

NEW MEXICO

FOR SALE—Improved and unimproved farms. Also city properties, cheap. Good investments. Jas. J. Hall, Tucumcari, N. M.

CHEAPEST, best irrigated lands in the world \$25.00 to \$40.00 per acre. For information address Dan Vinson, Portales, N. M.

ARKANSAS

80 A. Impr. valley farm; on Ry. 35 cultivation. \$15 a. Robert Sessions, Winthrop, Ark.

891 A. alfalfa and cotton land; some improved, tracts to suit. \$75 per a. New list free. Pope Co. R. E. Co., Russellville, Ark.

160 ACRES one mile from Oliver, Ry. town; church, school; partly improved; good timber. In Scott county, Arkansas. Price \$3 per acre, cash. Box 308, Heavener, Okla.

17,000 ACRES, no rocks, hills or swamps. Any size farms Grant Co. \$1.50 per a. down, bal. 20 yrs. at 6%. Employment. TETER & Co., Op. Union Depot, Little Rock, Ark.

BARGAIN. Well improved 160 near Raven- den Springs, Ark. All new buildings, good land, large orchard. Quick sale, don't miss this. Burrows, Warm Springs, Ark.

CHEAP homes in Arkansas. Healthful climate, pure water, timber. Crop failures unknown. Write for list. Hindsville Realty Co., Hindsville, Ark.

600 ACRES level upland, 7 mi. from good town. 300 acres in cultivation, 1,000,000 feet timber. Good residence, 6 tenant houses, good water. A complete gin system. A complete saw mill. A bargain, price \$20.00 per acre. 1/2 cash, bal. one and two years. Floyd Porterfield Company, Hope, Ark.

COLORADO

HOMESTEAD. If you want a homestead, now is your chance to get a fine 320 acre homestead relinquishment in eastern Colorado. Write Box 418, Goodland, Kan.

320 HOMESTEADS 320

I now have a few 320 acre homesteads relinquishments at from \$200 to \$1,000, perfectly level, every acre tillable, no better soil, fine water, good schools, in good neighborhoods. They will not last long. If you want a home write me now. R. T. CLINE, Townner, Colo.

CALIFORNIA

CALIFORNIA RANCH: 640 acres loan soil, 450 acres grain; fine improvements; Sacramento Valley; \$48,000; terms. Mills, 1093 Schweiter, Wichita, Kan.

MARKET PROBABILITIES

(Written Specially for Farmers Mail and Breeze.)

The cattle market has reached another critical stage. Indications are that range grassers will begin to move next week, and native fed cattle will be in light supply. The market on grassers is more important now than on fed steers, because nearly three fourths of the cattle ready for markets are grass fat and such will be the prevailing type up to the middle of November. The exact dimensions of next week's run are doubtful. A good many cars have been ordered on Western railroads, not for big bunches but in one and two lots, and the aggregate number may reach high figures. The action of the market last week is an incentive for shipping, and the other factor is that such a movement is seasonable. Commission men are anxious to get the grasser season off to a good start, and they prefer that the movement begin gradually rather than with a rush. Heavy receipts next week will mean a sharp price reduction, while on the other hand moderate supplies will be cared for at stronger prices.

Prices Indicate a Readjustment.

The sag in fat cattle prices has discouraged some feeders, and the high price for cattle to put on feed have excluded others. In the change to come it seems quite probable that prime cattle are due to go well above \$9 and the common kinds, such as cows, heifers, and bulls are due to go lower. Only slight changes can be made in thin cattle values until production is on a larger basis.

No Cheap Hogs Again.

It has been more than three years now since hogs sold as low as \$5 on the open market, and more than a decade since they sold as low as \$4. In 1905 hogs sold at \$4.25 to \$5.35, in 1908 at \$4.50 to \$5.50, and since then from \$5.50 to \$10.90. In 1901 prices sagged to \$3.85 and lower. That was the year of the drouth when a general clean up was compelled. Notwithstanding the steadily rising prices since 1901 no permanent surplus has been created, and with urgent buying at high prices packers have not accumulated any surplus supplies of meat. If no surplus could be created in eleven to twelve years, stimulated by high prices, it is safe to say that the next ten years will see no very low priced hogs.

The Movement in Livestock.

The following table shows receipts of cattle, hogs and sheep at the five western markets last week, the previous week and a year ago:

	Cattle	Hogs	Sheep
Kansas City	28,825	36,250	19,675
Chicago	33,000	125,500	86,000
Omaha	8,400	48,900	32,600
St. Louis	17,400	49,200	28,500
St. Joseph	10,500	29,700	5,500

Total	98,325	389,550	172,275
Preceding week	101,450	230,950	140,600
Year ago	90,300	284,600	158,400

The following table shows the receipts of cattle, hogs and sheep in Kansas City thus far this year and same period in 1912:

	1913	1912	Inc.	Dec.
Cattle	788,557	704,138	84,419	.....
Calves	42,539	51,205	8,666	.....
Hogs	1,397,446	1,611,796	214,350	.....
Sheep	1,039,428	1,092,928	53,500	.....
H. & M.	44,912	45,454	542	.....
Cars	56,036	55,125	911	.....

The following table shows receipts of livestock in St. Joseph thus far this year compared with the same period in 1912:

	1913	1912	Inc.	Dec.
Cattle	213,276	224,833	11,557	.....
Hogs	944,977	1,189,197	244,220	.....
Sheep	412,906	362,772	50,134	.....
H. & M.	17,599	24,712	7,113	.....
Cars	24,011	27,006	2,995	.....

The following table shows receipts of cattle, hogs and sheep in St. Louis thus far this year compared with the same period in 1912:

	1913	1912	Inc.	Dec.
Cattle	445,327	385,411	59,916	.....
Hogs	1,403,958	1,424,604	20,646	.....
Sheep	474,070	502,133	28,063	.....
H. & M.	77,234	91,182	13,948	.....
Cars	37,957	37,106	851	.....

The following table shows receipts of cattle, hogs and sheep at the five western markets, Monday, July 14, together with totals a week ago, and a year ago:

	Cattle	Hogs	Sheep
Kansas City	17,000	7,000	9,000
Chicago	22,000	51,000	19,000
Omaha	3,000	7,000	8,800
St. Louis	9,000	7,000	10,500
St. Joseph	1,200	5,200	800

Totals	52,200	77,200	48,100
A week ago	28,500	53,900	30,600
A year ago	35,075	55,400	44,000

VIRGINIA

CHEAP CATTLE

For sale—Well improved 200 acre Blue Grass stock farm in Virginia with established cattle buying business—no competition—1/4 mile to R. R.—close to market—modern home. Splendid money maker \$10,000.00; \$6,000.00 cash. Address BOX 333, Mail and Breeze, Topeka, Kan.

The following table shows a comparison in prices on best offerings of livestock at Kansas City and Chicago for this date and one year ago:

	Cattle	Hogs	Sheep
Per 100 lbs. 1913 1912	1913 1912	1913 1912	1913 1912
Chicago	\$9.05 \$9.70	\$9.25 \$7.62 1/2	\$7.35 \$5.75
Kan. City	8.85 9.60	8.80 7.50	7.00 5.75

Increased Movement of Wheat.

Allowing for normal improvement between now and harvest the corn crop in the United States this year will be 2,971 million bushels. Should the present condition be maintained the yield will be 3,125 million bushels and if there is a marked improvement in condition the crop will be the largest on record. It will be nearly two months before the corn crop is made. In that time great damage may be done. In some sections grasshoppers have injured the stalks, in others dry weather cannot be endured much longer and still other sections have the best prospects ever known. Old corn is in scant supply at markets as farmers are holding their surplus for an emergency. The average price now is 60 to 62 cents a bushel, but the advent of new corn will turn prices down. Prices for oats weakened. Some new oats sold at 39 to 40 cents a bushel, but that movement is not well started.

The following comparison shows prices on best grades of wheat, corn and oats at Kansas City and Chicago for this date and one year ago:

	Wheat	Corn	Oats
1913 1912	1913 1912	1913 1912	1913 1912
Chicago	92c \$1.13	63 1/2 74 1/2	41 47 1/2
Kan. City	86c 1.05	62 1/2 77 1/2	41 46

This Year's Prospective Crop.

According to the government estimate, allowing for normal shrinkage between now and harvest is as follows:

	1913	1912
Bushels	Bushels	Bushels
Corn	2,971,000,000	3,124,000,000
Winter wheat	483,000,000	399,919,000
Spring wheat	218,000,000	330,348,000
All wheat	701,000,000	730,267,000
Oats	1,301,000,000	1,418,337,000
Barley	165,000,000	223,824,000
Potatoes	343,000,000	420,647,000
Flax	21,000,000	28,073,000
Rice	27,000,000	25,054,000

Produce Prices Now and One Year Ago.

	Butter	Eggs	Hens
1913 1912	1913 1912	1913 1912	1913 1912
Chicago	26 25	16 1/2 17 1/2	16 13 1/2
Kan. City	26 24	17 18	13 1/2 12

USE THIS 30 DAYS

Use this Auto-Pedan 3-stroke-self-feed hay press 30 days—right in your own field, with your own help. Learn how you can save one-third the labor and get more money for your hay crop; how two men can do the work of three; and how you can save from 20 to 30% of the expense of a hay press. I want to prove to you that all I claim for the Auto-Pedan is true—and I want you to make this test under any condition right in your own field. Write me today. Let's get the press started. E. P. ROSS, Pres.

AUTO-PEDAN HAY PRESS CO. 1514 W. 12th St. Kansas City, Mo.

Two Men Can Run It

Send For My Free Book. CONSIGN US YOUR HAY.

100 MONEY MAKING SECRETS. Every one a winner: 64 pages. Price 10c. SALINA MAIL ORDER HOUSE, Dept. B. Salina, Kansas.

Write Quick & Cut Out Shoveling in Hot Harvest!

EVERY blessed farmer who buys his Sandwich Elevator before harvest gets double work out of it! This summer, it will store his small grain—then crib his corn next fall. You, too, can get double value—you, too, can cut out the senseless slavery of shoveling load after load till you drop. "The Sandwich Farm Elevator is the best investment I ever made in hard labor-saving machinery," writes Herman Frey, Melvin, Ia.—one of an army who say the same.

Sandwich (Eternal) Farm Elevator

Solves the hired-man problem and even lightens the house-hold work by cutting out the keep—the expense—of extra men. And it pays you a profit too!

"Had my crop picked in a bu. less on account of my elevator," says C. H. Keller, Marshall, Minn.

50 Bushels in 3 to 4 minutes. The Sandwich fills your bins—your cribs—chuck to the top in 3 minutes. Unloaded 50 bu. corn in 4 minutes," writes I. E. Orendorf, Heyworth, Ill. Others crib 40 bu. in 2 1/2 minutes with the Sandwich.

No Log-Breaking Platform. The Sandwich wagon-jack is overhead. "Works to perfection," says A. J. Anderson, Boone, Ia. "You drive right under—with even the tallest load. And it dumps it in the hopper

Free Use 30 Days

SEE for yourself how smoothly this roller-bearing Crop Maker Fanning Mill runs, day in and day out. Put it to work at any fanning mill or grading machine job—see how it automatically cleans, separates and grades any grains or grass seed and then, if you don't say it is a great service and money-making machine, ship it back at our expense. The

Crop Maker Fanning Mill

runs "like oil." It's easy to turn, it turns evenly, and this means that it does perfect work all the time.

It doesn't pay to plant dirty, ungraded seed when you can have clean, perfect seed by using this light-running mill. If you are satisfied after the 30-day free trial, we will sell you this mill at

Direct Factory Price

You save retailer's and jobber's profit, merely paying actual cost of making plus a small factory profit. And the factory stands right behind you all the time. Try this great Crop Maker before you buy. Your use of it puts you under no obligation. We have a Free Book for you, giving complete description, price, etc. Please write for it now—today—and get our offer in detail.

St. Paul Fanning Mill Company Station 10 St. Paul, Minn.

The New Jumbo Fanning Mill

All steel, cleaner and grader, most up to date cleaner and grader for all kinds of grain and grass seeds—Alfalfa. Fans the grain before it goes into Drum to be separated, and graded from all foul seed. The best cockle mill made. Screens always stay clean, will last a life time. Guaranteed to give satisfaction. From factory to you. Write to us today.

MINNEAPOLIS SEPARATOR COMPANY 324 Erie St., Minneapolis, Minn.

Ertel's Cyclone—3 Stroke

Self-Feed Hay Press Bales with least labor

WILL BALE 20 TONS OR MORE A DAY AT COST OF ONLY 40c A TON. Make big money baling for your neighbors after yours is done.

The Cyclone is powerful, durable, repair-proof—made almost entirely of finest steel. Unbreakable steel baling chamber, adjustable tension, makes smooth, clean, tight bales, 75 to 125 lbs. as desired. Three strokes each circle. Self-feed. Works at stack, barn or windrow.

Here's the biggest money maker you can buy. Low price. Free trial and absolute guarantee on every press. Write today—full information free.

Geo. Ertel Co., 336 Ky. St., Quincy, Ill.

ADMIRAL 2-MAN PRESS

3 FEEDS ADMIRAL SHARPER PRESS SELF FEEDER—CONVEYER PACKER

ADMIRAL HAY PRESS CO. KANSAS CITY MO. Box 57

BINDER

ATTACHMENT with corn harvester cuts and throws in piles on harvester or in windrow. Man and horse cut and shock equal with a corn binder. Sold in every state. Price only \$20.00 with fodder binder.

"Your corn harvester is all you claim for it, cut, tied and shocked 65 acres molo, cane and corn last year." Testimonials and catalog free, showing pictures of harvester. Address PROCESS MFG. CO., Dept. 46, Salina, Kans.

WHAT BREEDERS ARE DOING

FRANK HOWARD,
Manager Livestock Department.

FIELDMEN.

A. B. Hunter, S. W. Kansas and Oklahoma, 1124 So. Market St., Wichita, Kan.
John W. Johnson, 820 Lincoln St., Topeka, Kan., N. W. Kansas and S. Nebraska.
C. H. Walker, N. E. Kansas, N. Missouri, 3632 Flora Ave., Kansas City, Mo.
Geo. W. Berry, N. Nebraska and W. Iowa, Capper Bldg., Topeka, Kan.
Harry W. Graham, E. Iowa and Illinois, Chillicothe, Mo.
Ed R. Dorsey, S. E. Kansas and S. Missouri, Girard, Kan.

PUREBRED STOCK SALES.

Claim dates for public sales will be published free when such sales are to be advertised in the Farmers Mail and Breeze. Otherwise they will be charged for at regular rates.

Poland China Hogs.

Aug. 12—H. Fesenmeyer, Clarinda, Ia.
Aug. 13—John B. Lawson, Clarinda, Ia.
Aug. 13—J. W. Pfander & Sons, Clarinda, Ia.
Sept. 5—Jas. T. Ellis, Adrian, Mo.
Sept. 6—J. C. Stalter, Jasper, Mo.
Sept. 17—I. R. McClarnon, Braddyville, Ia.
Oct. 1—D. C. Loneragan, Florence, Neb.
Oct. 10—Dietrich & Spaulding, Richmond, Kan.
Oct. 21—H. B. Walter, Effingham, Kan.
Oct. 15—R. B. Davis, Hiawatha, Kan.
Oct. 16—J. M. Nesbitt, Aledo, Ill.
Oct. 17—Thos. F. Walker & Son, Alexandria, Neb., at Fairbury, Neb.
Oct. 18—Lambert Bros., Smith Center, Kan.
Oct. 20—Roy Johnston, South Mound, Kan.
Oct. 22—H. C. Graner, Lancaster, Kan.
Oct. 23—Deming Ranch, Oswego, Kan.
Oct. 23—U. S. Byrne, Saxton, Mo.
Oct. 25—J. H. Hamilton & Son, Guide Rock, Neb.
Oct. 25—J. W. Leeper, Norton, Kan.
Oct. 27—Herman Groninger & Sons, Bendena, Kan.
Oct. 28—W. R. Webb, Bendena, Kan.
Oct. 28—Joe Hemmy, Hill City, Kan.
Oct. 29—Walter Hildwein, Fairview, Kan.
Oct. 30—Harry Wales, Peculiar, Mo.
Oct. 30—Merton Williams, Valley Falls, Mo.
Nov. 1—John Belcher, Raymore, Mo.
Nov. 2—Joe Schneider, Nortonville, Kan.
Nov. 5—R. B. Davis, Hiawatha, Kan.
Nov. 6—W. E. Epley, Diller, Neb.
Nov. 7—U. S. Byrne, Saxton, Mo.
Nov. 8—John Naiman, Alexandria, Neb., at Hebron, Neb.
Feb. 3—J. H. Hamilton & Son, Guide Rock, Neb.

Feb. 10—H. B. Walter, Effingham, Kan.
Feb. 11—H. C. Graner & Son, Lancaster, Kan.
Feb. 12—Thos. F. Walker & Son, Alexandria, Neb., at Fairbury, Neb.
Feb. 13—J. E. Willis, Prairie View, Kan.
Feb. 13—W. E. Epley, Diller, Neb.
Feb. 14—J. F. Foley, Orinole, Kan.
Feb. 17—L. E. Klein, Zeandale, Kan.
Feb. 18—J. H. H. rter, Westmoreland, Kan.
Feb. 19—J. L. Griffiths, Riley, Kan.
Feb. 24—M. T. Shields, Lebanon, Kan.
Feb. 27—W. A. Davidson, Simpson, Kan.

Duroc-Jersey Hogs.

Oct. 17—Moser & Fitzwater, Goff, Kan.
Oct. 30—A. T. Cross, Guide Rock, Neb.
Oct. 31—A. M. Rinehart & Son, Smith Center, Kan.
Nov. 1—N. B. Price, Mankato, Kan.
Nov. 5—W. E. Monasmith, Formoso, Kan.
Nov. 7—Leon Carter, Asherville, Kan.
Jan. 23—J. J. Hartman, Elmo, Kan.
Jan. 28—W. E. Monasmith, Formoso, Kan.
Jan. 29—N. B. Price, Mankato, Kan.
Jan. 30—Geo. P. Philippi, Lebanon, Kan.
Jan. 31—A. M. Rinehart & Son, Smith Center, Kan.
Feb. 4—Moser & Fitzwater, Goff, Kan.
Feb. 5—Samuelson Bros., Cleburne, Kan.
Feb. 6—Leon Carter, Asherville, Kan.
Feb. 7—E. G. Munsell, Herington, Kan.
Feb. 9—E. A. Trump, Formoso, Kan.
Feb. 10—Agricultural College, Manhattan, Kan.
Feb. 11—Thompson Bros., Garrison, Kan.
Feb. 20—John Emigh, Formoso, Kan.
Feb. 21—Dana D. Shuck, Burr Oak, Kan.
Feb. 25—A. T. Cross, Guide Rock, Neb.

O. I. C. Hogs.

Feb. 18—H. L. Bode, Friend, Neb.
Feb. 19—Chas. H. Murray, Friend, Neb.

Hampshire Hogs.

Nov. 4—H. D. DeKalb, DeKalb, Ia.

Galloway Cattle.

Sept. 16—C. D. McPherson, Route 2, Topeka, Kan.

Shorthorn Cattle.

Oct. 14—C. J. McMasters, Altona, Ill.

Aberdeen Angus Cattle.

Oct. 22—W. F. Eckles, Green City, Mo.

Hereford Cattle.

Dec. 30—Mousel Bros., Cambridge, Neb.
Feb. 12—Nebraska Hereford Breeders' association, at Grand Island, Neb.

Percheron Horses.

Sept. 16—C. D. McPherson, Route 2, Topeka, Kan.

Cash Prizes For Well-Bred Feeders.

The St. Louis Livestock exchange will award \$1,500 in cash prizes to ship-

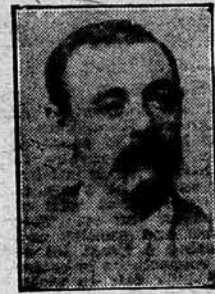
pers of best carloads of feeders received at that market between September 1 and 26 of this year. First, second and third prizes of \$100, \$65, and \$35 respectively, will be offered for best shipments from each of the states of Illinois, Missouri, Kansas, Colorado, Oklahoma, Texas, and Arkansas. In addition a grand sweepstakes prize of \$100 is hung up. No formalities of any kind need be observed by those who wish to take part in the contest. W. J. Kennedy of Iowa Agricultural college will score the cattle as they come in. This will not interfere with their being sold by the commission men in the regular way. This contest is for the purpose of stimulating greater interest in wellbred feeding cattle. Particulars concerning the contest will be furnished by H. F. Parry, secretary of St. Louis Livestock exchange, National Stockyards, Ill.

N. W. Kansas and S. Nebraska

BY JOHN W. JOHNSON.

Arthur A. Patterson, Ellsworth, Kan., breeder of Duroc-Jerseys, does not make public sales but will offer the tops of his spring crop of pigs for sale at private treaty.

He has about 40 March and April pigs, most of them being sired by Bull Moose Col., by King the Col. The dam of this herd boar was Nebraska Ann. Mr. Patterson bought a sow in the W. W. Doty sale last March, sired by Good Enough King, by Good Enough. Again, her dam was Lady Eureka, by Premier Col. She has a nice litter by Crimson Wonder 4th, by Crimson Wonder 3d. Mr. Patterson is well posted on Duroc-Jersey history and knows the business thoroughly. He has enjoyed a fine trade all spring and has sold all of the fall boars and gilts and is now ready to price spring boars and gilts. His advertisement appears regularly in Farmers Mail and Breeze and you will receive prompt replies to your inquiries if you write him about his Duroc-Jerseys.



A. A. Patterson.

S. W. Kansas and Oklahoma

BY A. B. HUNTER.

J. R. Mingle, Anthony, Kan., has decided recently to reduce his herd of registered Poland Chinas and is making prices on 50 head that will move them quickly. He can supply both breeder and farmer with various kinds of breeding stock. He offers nine of his tried herd sows; eight fall gilts, a little too young to breed; six of these gilts being very choice; also seven good fall boars just the kind for hard service; and 26 head of the tops from this season's early spring pigs. They are by J. R.'s Hadley and have plenty of size with lots of quality. Mr. Mingle has decided to reduce his herd and here is an opportunity to buy fashionably bred Poland Chinas at prices you can afford to pay, so do not wait, but write today, describing your wants. Please mention Farmers Mail and Breeze.

N. E. Kansas and N. Missouri

BY C. H. WALKER.

R. C. Isles of Everest, Kan., is offering a selected lot of Duroc-Jersey spring pigs of both sexes sired by prize winning boars and out of state fair winner sows. They are bred right, are fed right and are sold right. Write him.

Webb's Big Polands.

W. R. Webb of Bendena, Kan., is offering two very choice fall boars of August farrow sired by his great herd header, Ex. B. Besides these he has a choice lot of fall gilts and a great line of spring pigs of both sexes. The Webb herd has long been recognized as one of the leaders and this year it is larger than ever. Over 250 head in the herd now and he can supply the trade in stock of most any age. Write him.

Meisner's Herd Doing Fine.

While most of the pigs are late this year, the herd of T. J. Meisner of Sabetha, Kan., is in good shape and later in the fall he will have a top line of big Polands to offer the trade. The sons of Missouri Metal, Gold Metal and Expansive at the head of the Meisner herd have proven excellent sires. They had a right to turn out right for they have been crossed on a great line of sows. The result is a fine crop of pigs. Watch for further announcement of what Mr. Meisner will have for sale this fall.

Graner & Son's Big Polands.

Henry Graner & Son of Lancaster, Kan., own one of the top Poland herds of the state and the pigs this spring, said by everyone who has seen them to be a great lot, sired by Sampson Chief, Long King's Best and Moore's Halvor, are being grown out and developed to the best of this firm's ability. The herd is large this year—large enough for them to spare a few top pigs and gilts besides the sale offering. We suggest that those in the market for really high class stock should get in touch with the Graner herd and their way of doing business.

Long's Richly Bred Herd.

W. E. Long of Meriden, Kan., has one of the best bred herds of big type Polands anywhere in the country. A Wonder, King Mastodon 2d, Big Orange, Expansive—all boars whose names rank with the breed's best sires. Sons and daughters of these are in the Long herd and are offered for sale. The same breeding—and just as good indi-

LIVESTOCK AUCTIONEERS.

Spencer Young, Osborne, Kan. Livestock Auctioneer. Write for dates.

W. C. CURPHEY, Salina, Kansas. Write, phone or wire for dates. Address as above.

COL. T. E. GORDON, WATERVILLE, KANSAS. Livestock Auctioneer. Write for open dates.

L. J. Calloway, Lebanon, Kansas. Livestock Auctioneer. Write or phone for dates.

Jas. T. McCulloch, Clay Center, Kan. Reference: The breeders I am selling for every year. Write for open dates.

L. R. BRADY, Manhattan, Kansas. Livestock Auctioneer. Write or wire for dates.

JAS. W. SPARKS, Live Stock Auctioneer, MARSHALL, MO.

Will Myers, Beloit, Kan. Is already booked on leading breeders' sales in Central Kan. Choice dates still open. Write or wire.

CHAS. M. SCOTT, Livestock Auctioneer. Thoroughly posted on pedigrees and values. Formerly of Scott & Singer, Poland China breeders. Hiawatha, Kan.

John D. Snyder, HUTCHINSON, KANSAS. LIVE STOCK AUCTIONEER. Wide acquaintance and practical knowledge of draft horses and pure bred live stock, all breeds.

Col. N. B. PRICE, Mankato, Kan. LIVESTOCK AUCTIONEER. Phone or write for dates. Honey K. heads my Duroc-Jersey herd.

G. A. Drybread, Elk City, Kan. Live Stock and Farm Sales made anywhere. Prices reasonable. Give me a trial. Satisfaction guaranteed.

FRANK J. ZAUN, AUCATIONEER. Independence, Mo., Bell Phone 675 Ind. My References: America's best breeders for whom I have been selling for years.

Get Zaun He Knows How

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. Write today for big, free catalogue of Home Study Course, as well as the Actual Practice School, which opens August 4th.

MISSOURI AUCTION SCHOOL. Largest in the World. W. B. Carpenter, Pres. 1400-84 Grand Ave., Kansas City, Mo.

PUREBRED HORSES.

PERCHERONS. Ever notice average farmers who keep their own stallion raise more colts from the same number of mares and make more horse-money? A BIG PERCHERON from my 12 years registered stud of breeders' sires would make you money. Trains direct from Kansas City and St. Joe. Fred Chandler, Route 7, Charleston, Iowa.

Truman's Pioneer Stud Farm. America's Largest Importers. Shire, Percheron and Belgian Horses. Write for Illustrated Catalogue. TRUMAN'S, Box E, BUSHNELL, ILLINOIS.

TIRES AND TUBES AT CUT PRICES. WE ARE offering now to motor owners all over the United States standard make tires at the lowest prices ever heard of. These are not a lot of old nameless tires. Every one is a well known make such as Fisk, Diamond, Goodyear, Empire, etc. Take your choice. This partial list gives you some idea of the reductions.

30x3 \$10.10
30x3 1/2 14.20
32x3 1/2 14.90
33x4 21.00
34x4 22.00
36x4 1/2 29.00

Write today for complete price list and money-saving circular.

NATIONAL TIRE CO. 1621 Grand Ave., Kansas City, Mo. Dept. M. Ask any Bank.

DAISY FLY KILLER. placed anywhere, attracts and kills all flies, Neat, clean, ornamental, convenient, cheap. Last all season. Made of metal, can't spill or over; will not scorch or injure anything. Guaranteed effective. Sold by dealers, or six sent prepaid for \$1.00.

HAROLD SOMERS, 150 DeKalb Ave., Brooklyn, N. Y.

Come and See the Cadillac Tract

This body of well located land, possessing responsive and productive soil, is situated in the best part of WESTERN MICHIGAN. It is offered in blocks of forty acres or more, with a few pieces, closer to towns, in tracts of ten and twenty acres. No description is more than five miles from some good town and railroad, and the bulk of it is closer than this.

The unimproved lands can be bought as low as \$20 per acre with some excellent pieces as low as \$15 per acre. Very easy terms will be accorded, monthly payments if desired. Taking all conditions into account, location, climate, soil, wide range of crops, pure and abundant water, steady and high priced home-markets, good roads and transportation facilities, there is nothing on the market today, that, dollar for dollar, can equal them.

In addition to the unimproved lands, we own or control a number of improved and partially improved places which we sell at reasonable prices. These places range in price from a few hundred to several thousands of dollars; all can be bought on terms.

Complete and accurate information, illustrated booklet, etc., will be sent free on request to

SAMUEL S. THORPE, Owner
Room 2, McMullen Block, Cadillac, Michigan

DAIRY CATTLE

ENTIRE DAIRY HERD FOR SALE!

15 Holsteins, balance Jerseys and Shorthorns. Most of them will freshen this fall. \$20.00 per head. \$1.00 per head commission. JACK HAMMILL, 215 Adams St., Topeka, Kan.

Want to Buy four registered Holstein cows guaranteed to produce 400 pounds butter fat annually, also yearling bull from cow producing 300 lbs. butter fat last year. **BUTTON LAND CO., LINCOLN, NEB.**

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 bull and heifer calves. **ARNOLD & BRADY, Manhattan, Kan.**

HOLSTEINS - CHOICE BULL CALVES

H. B. COWLES, TOPEKA, KANSAS.

OAK HILL HOLSTEINS

Bulls ready for spring service by Shadybrook Gerben Sir Korndyke out of A. R. O. dams. Heifers bred. Also a few fresh cows. All tuberculin tested. **BEN SCHNEIDER, NORTONVILLE, KAN.**

BANKS' 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.**

HEREFORDS.

KLAUS BROS.' HEREFORDS

Two choice yearling bulls, herd headers for sale, sired by Fulfiller 3rd, Fulfiller 25th and Beau Onward. Our calf crop is the best we ever had. **KLAUS BROTHERS, BENDENA, KANSAS.**

RED POLLED CATTLE

Foster's Red Polls

Write for prices on breeding stock. **C. E. FOSTER, R. R. 4, Eldorado, Kansas.**

Red Polled Cattle

Cows and heifers for sale. No bulls over six months. Poland China big type registered fall boars. Write **CHAS. MORRISON & SON, Phillipsburg, Mo.**

Red Poll Females

All ages, choice individuals, show animals, priced to sell. A few choice bulls, also Duroc-Jersey sows, sows and gilts, bred for early fall farrow. Boars say age by our choice herd boars. Ask for testimonials. **GEO. W. SCHWAB, CLAY CENTER, NEB.**

GALLOWAYS.

G. E. CLARK, W. W. DUNHAM.

CAPITAL VIEW GALLOWAYS.
12 Miles West of Topeka.
Can furnish car of good bulls ranging in ages from calves to 2-yr.-olds. Can suit your wants. Write **CAPITAL VIEW RANCH, Silver Lake, Kan.**

GALLOWAY CATTLE

and OXFORD DOWN SHEEP

Imported and home-bred, absolutely equal to the best. **C. S. HECHTNER, Box 66, Chariton, Iowa.**

SHORTHORNS.

Glenwood Farms Announce

Can spare no more bred sows. Have a few choice boars left. Plenty of Shorthorns, always. We build the most complete concrete silo yet offered the public. Have several on our place. They are a success. Write for particulars. Address: **C. S. NEVIUS, CHILES, KAN.**

10 High Class Scotch and Scotch Topped Shorthorn Cows

of dairy sale, also two extra fine 10-month-old bulls. One by Baron Cumberland, the other, a show prospect, by Silk Goods. **DR. W. C. HARKEY, Lenexa, Kan.**

HOLSTEINS.

HOLSTEINS Large type, State inspected and tuberculin tested. Fine registered bulls, cows and heifers, also 100 grade cows and heifers. **M. F. Knudsen, Concordia, Kan.**

Bonnie Brae Holsteins

For sale, about 50 head of high grade young cows, 2-year-olds and bred yearlings. These cattle are strictly first class, with many heavy springers. Come and see them. **IRA ROMIG, Sta. B, TOPEKA, KANSAS.**

Holstein Cattle

500 Registered and High Grade females, yearlings to 3-year-olds for sale, also 50 Registered bulls, serviceable age all from heavy producing dams. **SIR KORNDYKE ZOLDUSKY DE KOL** heads the herd from a family showing a record of 38.02. He also carries 50 per cent blood as Pontiac Pet, record 37.68, and Clothilde De Kol 2d, record 37.21. Write me your wants. Can fill any order from one animal up at reasonable prices. **JAMES DORSEY, Gilberts, Ill.**

vidually—as will be found in Iowa or anywhere else and for sale at prices that will please. Note Mr. Long's card and write him for prices and description of the stock he has for sale. You'll get good stock and a square deal, too.

Both Farmer's and Breeder's Kind.

Clarence Dean of Weston, Mo., enjoys a heavy trade in his Mastodon Polands among the farmers as well as the breeders. The following letter from a Missouri farmer shows how they like the Dean hogs. "De Witt, Mo., March 21, 1913.—The gilt you shipped me on the 18th came all O. K. and I can assure you I appreciate the selection you made for me. She was voted the nicest that ever was seen in DeWitt by the many farmers who saw her.—J. L. Crowder." The Dean Polands backed up by the best breeding obtainable, made right individually by special care and feeding and given a clean bill of health and immune from cholera are a few of the reasons why they are in such strong demand and give such universal satisfaction.

Schneider Offers Bred Gilts.

Joe Schneider of Nortonville, Kan., probably sells as much stock on mail order as any man in Kansas. There must be some reason why he enjoys such a heavy trade in his Poland Chinas. The one reason that we know of is because he has the goods and treats his customers on the square. In the first place he sends out on order only the very best. If the customer for any reason isn't satisfied after that he makes it good by shipping what they want or returning the money. Mr. Schneider is offering now a number of top quality fall gilts, bred for fall litters, to his herd boars, a few that are open and a few top quality fall boars. Besides these he has an excellent lot of spring pigs, both boars and gilts, that he is booking orders for. Write him for his prices and description.

Walter's Best Herd Boar.

Not since the days of old Expansive has H. B. Walter of Effingham, Kan., had a boar at the head of his herd the equal of Walter's Expansive, now the chief sire in service in this great herd. It is fitting also that this new boar should be a son of his father and goes to prove that sons of the old hog breed on and on and on. This boar is a wonder for size and quality and smoothness and he is siring a great lot of pigs this year. In some respects he is better than old Expansive and bid fair to make a mark in the Walter herd and daughters of Columbus, Long King's Equal and other big type boars will be found this year in the Walter herd and taken all in all it is about the best lot seen there in a long time. The Walter herd is headquarters for herd header material. Nuff said.

Eckman's Duroc-Jerseys.

Youdon Eckman, breeder of Duroc-Jersey hogs at Winland Kan. writes under recent date that his pigs are doing fine. When we visited the herd about a month or six weeks ago, we thought up until that time that we had not seen a more even bunch, and we thought so much of a litter and the old hog that we advised him to fit them up and send them to the state fair. While Mr. Eckman has only been a breeder of hogs a short time he has proven his ability as a good judge and a fine caretaker. Very few herds that we visit are as well fed and as well cared for as the 100 spring pigs on his farm. He would be pleased to have the readers of the Mail and Breeze, who are interested in purebred hogs, write him about his pigs and the buyers simply take no chance as the owner sells every one and guarantees to please, or your money refunded. There can be no better guarantee than that.

W. Iowa and N. Nebraska

BY GEO. W. BERRY.

Under date of July 9, Mr. J. G. Truman, manager Truman's Pioneer Stud Farm, Bushnell, Ill. writes as follows: "Our fourth importation of Shire and Percheron stallions and mares that arrived on June 24 are now in first class condition, having fully recovered from their long journey. They are certainly an outstanding lot of horses taking them all round, not an ordinary one in the whole shipment. We are still selling a few horses and as usual our customers are asking for the very best we can procure. We had a visit this week from our old friend, Mr. Harry Vann, of Osage county, Kansas. Mr. Vann is a breeder of purebred Shire horses, his home originally being in Rugby (England) neighborhood. He was looking for a strictly high class Shire stallion to place at the head of his herd and we had no trouble in suiting him either as to horse or price, he selecting a strictly high class 2-year-old colt. We are still offering very attractive prices on either Shire or Percheron stallions and mares in order to make room for our regular July importation and shall be pleased to mail our 1913 catalog to any of our readers requesting same."

S. E. Kansas and S. Missouri

BY ED. R. DORSEY.

F. P. Robinson of Maryville, Mo., long recognized as the breeder who has been the leader in the big type Poland Chinas, has his usual good crop of pigs this year and is selling them altogether at private treaty. Buyers can select a boar or gilt from the Robinson herd by mail just as well as if they would make the selection in person. Mr. Robinson guarantees everything to suit. He sells on mail order with the understanding that the purchase must suit or the money is refunded. He ships his stock on trial order and if the buyer isn't satisfied in every way he can return the animal—at Mr. Robinson's expense—and get his money back. The Robinson herd boars weigh from 800 to over 1,000 pounds, the sows weigh up to 700. At present Mr. Robinson is offering two tried boars for sale and a few top quality fall boars and gilts. Of course he will sell spring pigs, too. Write him for prices and description of the stock he is offering for sale.

Editorial News Notes.

It is pointed out by those who are best posted as to conditions in the animal industry of the country that one of the very best professions for the ambitious young

POLLED DURHAM.

Polled Durham Bulls

Six well bred young bulls and a limited number of cows and heifers for sale. **O. M. HOWARD, HAMMOND, KANSAS.**

ABERDEEN-ANGUS.

DENTON'S Angus

Bulls all sold but a fine lot coming on for fall trade. Write your wants. **W. G. DENTON, DENTON, KANSAS.**

ANGUS CATTLE

Bulls and females for sale, singly or in carload lots. Address **BUTTON & PORTER, Lawrence, Kan.**

JERSEY CATTLE.

LINSOTT JERSEYS

Only register of merit herd in Kansas. For sale: Grandson of Noble of Oaklands, ready for service. Also sons and daughters of the great Gamboge's Knight. Prices reasonable. **R. J. LINSOTT, HOLTON, KANSAS.**

Butter Profits

You ought to get more butter profits. Jersey Cattle mean more butter profits because they yield more butter fat at less net cost of keep than any other breed.

THE JERSEY

excel in beauty of dairy type. She is a persistent milker. Jerseys are easily acclimated. They live long and keep healthy. They mean steady butter profits. Write now for Jersey facts. Free for the asking. **AMERICAN JERSEY CATTLE CLUB, 234 W. 34th St., New York.**

BERKSHIRES.

LEON A. WAIT'S Berkshires

A good herd at Winfield, Kan., headed by Lord Duke 3d, 18292.

Hazlewood's Berkshires!

Choice spring boars and gilts priced to sell. Write today. **W. O. Hazlewood, R. 2, Wichita, Kansas.**

J. T. BAYER'S BERKSHIRES

Eighty early spring pigs by Bayer's Beacon and B. D's Centerpiece, 30 extra fine sows and gilts bred and open, four winter and fall males. Priced to sell. Write for prices. **J. T. BAYER, YATES CENTER, KAN.**

Bred Berkshire Sows

25 head of young tried sows, representing the best Robinhood strains and bred for summer litters, to Ajax, a son of Rival's Lord Premier and Longfellow's Duchess 4th. These are extra good and are priced to sell. They won't last long. Write at once. **W. J. GRIST, Ozawie, Kan.**

O. L. C.

RUSSELL'S O. L. C.'s

February and March pigs ready for shipment. The large prolific type. Satisfaction guaranteed. **H. E. RUSSELL, Sedgwick, Kan.**

25 O. L. C. FALL BOARS

For sale. Write for prices and descriptions. **CHAS. H. MURRAY, FRIEND, NEBRASKA.**

50 O. L. C. Pigs for Sale

Sired by my leading herd boars. Also two nice gilts bred for Aug. farrow. Write for prices and descriptions. **Andrew Kosar, Glasco, Kan.**

NEEF'S CHOLERA IMMUNE O. L. C.'s

Spring pigs of either sex in pairs and trios no kin. Also tried sows and fall gilts bred fall farrow. Pure bred seed wheat, seed rye and Collier pups for sale. **Riverside Farms, J. H. Neef, Booneville, Mo.**

Hampshire Sheep

18 Ram lambs for sale. Also young ewes, from yearlings up. **Hampshire Hogs. Young stock for sale. Everything registered.**

Shipping point. **E. S. Talliaferro, Russell, Kansas**

Oldenburg German Coach Horses

We are the oldest and largest breeders of the Oldenburg German Coach west of the Mississippi River. Our 1912 winnings at the leading western shows exceeded those of any other individual horse exhibitor. We have stallions and mares of serviceable ages for sale. Write us. **JOS. WEAR & SON, Barnard, Kan.**

60-Bergner & Sons' Coach Horses-60

German Coach Stallions at prices you will be able to pay for at one season's stand. Also mares and fillies; all good bone with plenty size, style and action and the best general purpose horse that has ever been imported. The St. Louis Fair Champion Million 3159 and the Kansas State Fair prize winner Mephistoles 4221 at head of herd. We are pricing these horses to sell and guarantee satisfaction. Write today or call soon. **J. C. BERGNER & SONS, Waldoch Ranch, PRATT, KANSAS.**

Black Robinhood Berkshires

For Sale—Sows bred for fall litters, choice boar pigs and sows pigs; from the herd that produced Black Robinhood and many piece boars we bred and sires that have made Berkshire high. Write for particulars. **G. W. BERRY & SON, R. R. 1, Topeka, Kansas.**

O. L. C. SWINE.

O. L. C. Boar Pigs

Maple Leaf Improved Chester Whites All ages, the yearling. Priced to sell. **H. W. GAGE, Garnett, Kan.**

BOOKIN'S O. L. C. HOGS.

Bookin's O. L. C. Hogs, spring pigs by five different boars, out of sows not akin. Priced to sell. **F. O. BOOKIN, RUSSELL, KANSAS.**

HAMPSHIRE.

WRITE J. F. PRICE, Medora, Kans.

For prices on Pedigreed Hampshire Hogs

REGISTERED HAMPSHIRE

Well Bred — Well Bred **SUNNY SLOPE FARM, Frank H. Parks, Prop., Olathe, Kan.**

Pedigreed Hampshires

of various ages. Boars in weaning time only. Every hog properly vaccinated. **C. E. Lowry, Oxford, Mo.**

Pure Bred Hampshires

Some extra choice, well-bred spring boar pigs for sale. **ALVIN LONG, Lyons, Kansas.**

CLOVERDALE HAMPSHIRE

Special prices for thirty days only. Open and bred gilts. Spring pigs in pairs and trios, sired by my FOUR herd boars. **T. W. LAVEROCK, PRINCETON, KANSAS.**

MULE FOOT HOGS.

Mule-Footed Hogs

The coming hog! Hardy; resist disease; the best rustlers known; pigs live to sixteen weeks old, \$25 pair. Circular free. **DR. W. J. CONNER, LABETTE, KANSAS.**

Mule Foot Hogs

Bred gilts for prices. Some choice boars for sale. Am now booking orders for pigs of February and March farrow, in pairs not related. **GENE G. HADLEY, Box D, Wilmington, Ohio.**

DUROC-JERSEYS.

Duroc March Pigs \$9.00

and up by Model Again. Long Lad and Tatarax Boy. **R. W. Baldwin, Conway, Kan.**

Big Stretchy Durocs

A choice sex, for sale, also S. O. White Leghorns, extra fine stock. **HARRY GIVINS, Madison, Kansas.**

Clearview Stock Farm Durocs

All ages. A few open gilts, also tried sows, bred for September and October farrow. Spring pigs, pairs or trios. Satisfaction guaranteed on mail orders. **A. J. HANNA, ELMDALE, KANSAS.**

Good E. Nuff Again King 35203

Heads our great herd. Sale average March 11, sows, \$77.50, sows and gilts, \$52.00. Write for prices. **W. W. OTTEY & SONS, Winfield, Kansas.**

Deep Creek Herd Durocs!

Orders taken now for early spring pigs, dams either state fair prize winners or sired by prize winners. Write for low prices. **C. O. ANDERSON, MANHATTAN, KAN.**

Big-Type DUROCS

Fall gilts bred or open. Booking orders for spring stock. Monarch, Wonder, Col. and Buddy strains. Fall sale Oct. 17. **MOSEB & FITZWATER, GOFF, KANSAS.**

ILES' Farm Duroc-Jerseys

A selected lot of early boars and gilts sired by and out of prize-winning boars and sows. The big kind with quality and guaranteed to please. Priced right. Visitors met by appointment at Everest or Pierce Junction. **R. C. ILES, Everest, Kansas.**

Smith's Durocs

Fashionably bred boars, including grandsons of the great Graduate Col. and a herd-heading son of the champion Tatarax. Also spring boars. **J. R. SMITH, NEWTON, KANSAS.**



DUROC-JERSEYS.

TAYLOR'S SPRINGDALE DUROCS

Spring pigs for sale from ancestors that were leading State Fair winners in 1911 and 1912. Fall gilts same breeding and quality. Chas. L. Taylor, Olathe, Mo.

E. A. TRUMP, Formoso, Kan.

Breeder of fashionable Duroc-Jerseys. Stock for sale at all times. Write for prices and descriptions.

A FINE OFFERING Spring pigs

sired by R. C. Buddy Watson's Col. and Model Top. Prices \$20 and up. R. C. WATSON, Altoona, Kansas.

Duroc-Jersey Spring Pigs

Dark cherry, sired by Bull Moose Col. 138253, he by King the Col. 88533 and out of large prolific sows of popular breeding, priced reasonable, and f. o. b. your station if desired. Arthur A. Patterson, Ellsworth, Kan.

McCarthy's Durocs

A few October boars by J. R.'s Col. by Graduate Col. Also a son of the champion, Tatarax, that should head some good herd. Dan McCarthy, Newton, Kan.

FORTY MARCH PIGS

Also a few October Gilts bred to farrow last of September. Prices right. Descriptions and prices by return mail. J. R. JACKSON, KANOPOLIS, KANSAS.

Stith's DUROCS

Sows and gilts bred to and young boars and gilts by Model Duroc, one of the best sires of the breed. His half brother and sister were grand champions. His sire was a champion. Write today. CHAS. STITH, Eureka, Kansas

Quivera Place Durocs

A few, choice summer boars and gilts, sired by Quivera 106611. E. G. MUNSELL, Herington, Kansas.

BONNIE VIEW FARM DUROC-JERSEYS

Extra fine spring pigs, sired by Tat A Walla and S. C.'s Col. Searle & Cottle, Berryton, Kans.

HILLSIDE DUROCS

1 yearling boar for sale cheap. Spring pigs of both sexes, a few by the Jr. Champion at Topeka Fair, priced right. W. A. WOOD & SON, ELMDALE, KANSAS

Perfection Stock Farm!

Fall boars and gilts, also orders booked for choice spring pigs by State Fair Champions. Pairs and trios not related. Prices right. CLASEN BROS., UNION CITY, OKLA.

Duroc Pigs, Popular Breeding

I am offering 100 spring pigs, by Eckman's Special 124683 and Gold King 126195 out of sows by B. & C's Col., Buddy & IV Chief's Martial, Belle's Chief 2nd, Golden Goods, etc. Youndon Eckman, Vinland, Kans.

Dreamland Colonel

Summer and fall boars and gilts for sale. Everything immune. Nothing but desirable animals offered. Prices reasonable. LEON CARTER, Asherville, Kan.

10 Duroc Jersey Boars

of summer and fall farrow. \$25 each to move them quick. Sired by Model Chief and out mature sows. Dana D. Shuck, Burr Oak, Jewell Co., Kansas

Bancroft's DUROCS

We hold no public sales. Nothing but the best offered at breeding stock. September gilts open or bred to order for fall litters. 99 March pigs. Pairs or trios no akin. Prices right. Customers in 10 states satisfied. Describe what you want. We have it. D. O. BANCROFT, OSBORNE, KANSAS.

POLAND CHINAS.

Sunny Side Poland Chinas

Bred sows and spring boars for sale, priced right. Satisfaction guaranteed. J. G. Burt, Solomon, Ks

COLUMBUS

The 1050-lb. Grand Champion, 1912. Nebraska, Kansas, Missouri and American Royal, heads my herd Big Type Poland Chinas R. B. BAIRD, Central City, Nebraska

HILDWEIN'S BIG POLANDS

Make your selections from my large herd of the "big kind". They are the kind that make good. Public Sale October 29. WALTER HILDWEIN, FAIRVIEW, KAN.

THURSTON & WOOD'S Poland Chinas

The large, smooth kind. Fall boars, handsome fellows by U. Wonder by A. Wonder, also gilts by this great son of A. Wonder and bred to Orange Lad by Big Orange. Thurston & Wood, Elmdale, Kan.

Schneider's Poland Chinas!

20 head of good fall gilts. Some bred for September farrow, others offered open. A few good fall boars at 1 am offered cheap to move them. JOE SCHNEIDER, NORTONVILLE, KAN.

A. D. JONES

DUNLAP, IOWA

20 fall pigs sired by 1,000 pound boar and from 800 and 800 pound dams; strictly big type Poland Chinas. I breed for length, bone, large litters and quick maturity. I also have 50 fall gilts, to be in the market this fall and winter and 100 spring pigs that are doing fine.

man of today is that of the veterinarian. Unlike the other professions, that of veterinarian is not overcrowded. In fact such standard and growing schools as the St. Joseph Veterinary College report that each year they receive requests for more graduates than they have been able to supply. The demand for state and city veterinarians is new and rapidly growing. The government demand for inspection work and Philippine veterinarians is also growing, and the number of veterinarians in regular country and city practice is far too small. On this account the St. Joseph Veterinary College, which is one of the best and most progressive in the country since its reorganization by Dr. F. W. Caldwell, is showing remarkable growth. Graduate veterinarians, it is said, enter at once into lucrative practice, their earnings beginning at not less than \$1,400 and ranging from that figure up to \$10,000 a year.

The Value of Good Cutting.

Every good farmer and dairyman has a silo nowadays. No other piece of the farm equipment is more profitable, nor has any come into a wider and more deserved popularity in so short a space of time. Good silage, properly cut and packed, is the most economical and satisfactory winter roughage—a feed relished by stock and of great value to them. After settling the question of whether or not to have a silo, or what kind of silo to build, comes the equally important one of how to fill that silo. Among the many makes of ensilage cutters, the Papec stands supreme. This widely and favorably known implement has many features of superiority over other makes that render it well worth considering when the purchase of an ensilage cutter is taken up. It is claimed that the Papec requires 20 per cent less power to operate than other cutters. This is due to several principles of construction—the absence of chain drives, the sturdy, non-warping frame, and the combination of six fans and either two or three cutter knives. The Papec throws and blows the cut silage up the small-diameter supply pipe in a steady, continuous and swift stream, that means much for quick and efficient packing and filling. The makers of the Papec cutter guarantee that it will cut any silage and elevate it to the height of any silo—provided the speed of the cutting knife does not fall below 600 R. P. M. This is a most important feature for it does away with the costly and dangerous speeding that is necessary for good results with other makes of cutters, often reaching up to 1,500 R. P. M. It also means less power. Papec ensilage cutters are made in various sizes and with many different combinations of equipment and adjustment. They can be had for any need and at various prices. They are fully guaranteed by the makers, and the hundreds of testimonials received by them seem to indicate a most excellent service on the part of the machine. The Papec Machine Company, Shortsville, N. Y., have just issued a fine new catalog, describing and illustrating the Papec cutter. It also contains some valuable information on silage and cutting roughage in general. Every stock owner should have a copy of this book and can receive one if he will write the manufacturers. A postal addressed to Papec Machine Co., Box 61, Shortsville, N. Y., will bring it by return mail.

Parcel Post Rate For Show Corn

All corn growers who exhibit corn at local or state corn shows will be interested in knowing the third assistant postmaster general has ruled that grain when sent through the mails for any purpose other than for planting shall be admitted at parcel post rates. Under the original classification all grains for planting were to pay postage of "1 cent for each 2 ounces or fraction thereof, regardless of distance." This made it impossible for the man who wished to exhibit a few ears of corn at a corn show to take advantage of the parcel post.

For this information the Mail and Breeze is indebted to John F. Case, secretary of the Interstate Corn Show, Whitesville, Mo., who took up the matter with the postmaster-general some time ago and succeeded in having the distinction made.

Mr. Case and a number of other corn growers hope ultimately to get a special rate for corn and other grain sent through the mails for exhibition purposes and ask the co-operation of all other agricultural organizations toward this end. While the parcel post rate is much better than the former rate, there yet should be a more substantial concession made on behalf of the educational value of grain exhibits.

Four Big Papers For \$1.10

The Mail and Breeze is enabled to make the biggest clubbing offer it has ever had, and for only \$1.10 will send all four of the following papers for one year each:

THE MAIL AND BREEZE of which nothing need be told our own subscribers or those reading this copy of the paper. It speaks for itself.

THE HOUSEHOLD, a large family magazine, containing the choicest stories and departments of particular interest to lady readers.

THE KANSAS WEEKLY CAPITAL, the oldest and best weekly newspaper in the entire Southwest.

THE MISSOURI VALLEY FARMER, a big monthly farm and agricultural paper which should be read by every farmer. No longer advertising is printed in any of these papers.

Remember, all four of these big papers will be sent to one address or to four different addresses if so desired for only \$1.10. If you are a subscriber to any one of these papers your time will be advanced another year. You will be supplied with the best class of reading material for a full year. Don't fail to mention the names of these papers in sending in your order. Send your order to the

POLAND CHINAS.

BIG BARGAINS—BRED SOWS. 6 of our herd sows, bred and safe to Gold Mine, for July and September farrow. 5 last fall gilts, safe to Best Price. Best bunch of spring pigs we have ever offered. Priced right. DIETRICH & SPAULDING, Richmond, Kan.

NEBRASKA TYPE POLANDS Choice summer and fall boars and gilts, by Haden's Big Hadley 2nd, Fan Wonder, and Nebr. Chief. C. C. INGRAM, Bloomington, Neb.

Polands, with Size and Quality and gilts; also boars all ages for sale, sired by Weacher's Beacon, Quame and King Hadley, Lambert Bros., Smith Center, Kan.

100 SPRING PIGS Sired by King Hadley, King Blain, Jr., King John and Long John 2nd; priced right and guaranteed. W. Z. BAKER, RICH HILL, MISSOURI.

Large Type Yearling Sows Sired by and bred to boars weighing between 800 and 1000 pounds and due to farrow in August and September. Thos. B. Murphy & Sons, Corbin, Kan.

Klein's Tabor Valley Herd

Big type Poland China fall gilts bred or open, sired by my Iowa boar and out of my big matured sows. Write for prices. L. E. KLEIN, ZEANDALE, KANSAS.

LARGE WITH PLENTY OF QUALITY!

Handsome young boars, gilts bred or open. Best of large type blood lines. Some boars, herd headers. Satisfaction guaranteed on all breeding stock. OLIVIER & SONS, DANVILLE, KANSAS.

Harry Hoak's Poland Chinas

Spring boars and gilts, pairs and trios unrelated. Fashionable big type blood lines. The finest lot of pigs we ever raised. Call or write today. HARRY HOAK, Attica, Kan.

Albright's Fall and Winter Boars

Gilts for sale. 40 head of nice, smooth individuals, sired by Cavett's Mastiff, by King Mastiff, and out of big type sows. Write for prices. A. L. ALBRIGHT, Waterville, Kansas

Dean's Mastodon Polands

Poland China hogs, the big-boned type, will weigh when mature, 800 to 1,000 lbs. Will sell a few boars of serviceable age, also choice brood sows and gilts, bred to my herd boars. All

Immunized by Double Treatment

Herd headed by Mastodon Price, Columbia Wonder and Gritter's Longfellow 3d. Everything guaranteed and sold worth the money. Address CLARENCE DEAN, WESTON, MISSOURI



Royal Scion Farm Durocs

The great Graduate Col., assisted by Col. Scion, heads this herd. Spring and fall boars, some of them show and herd header material; also a few gilts and spring pigs, either sex. G. C. Norman, R. 10, Winfield, Kan.



PLEASANT HILL STOCK FARM POLANDS

Long King's Best, Sampson Ex and Moore's Halvor, a trio of unusually fine big-type boars in service. Booking orders now for spring boars and gilts—over 100 head to select from. These are bred right. HENRY GRANER & SON, LANCASTER, KANSAS.

Robinson's Mammoth Poland Chinas!

My herd boars weigh from 800 to 1,025 lbs. Now have for sale, two good tried boars and a few extra good last fall pigs of both sexes. My terms are: If you are not satisfied return the hog and I return your money. F. P. ROBINSON, Maryville, Mo.

BIG TYPE BRED SOWS FOR SALE

Daughters of Long Wonder (a double bred A Wonder) and King Mastodon 2nd, bred for summer farrow, to Orange Model 2nd, by Big Orange and out of a Pawnee Lad dam and to Expansive Wonder, by Expansive. These are extra good, strictly big type with quality and will please. Also fall gilts and spring pigs. Write or call. W. E. LONG, Meriden, Kansas.

BIG TYPE UNPAMPERED BERKSHIRES

150 sows bred to Fair Rival 10th, King's 4th Masterpiece, Truetype, King's Truetype, and the great show boar King's 10th Masterpiece. All long, large and heavy boned. Sows farrow from August 1st to December 1st. Open gilts and boars ready for service. Not a poor back or foot. Every man his money's worth. E. D. KING, Burlington, Kansas

EX B. by EXPANSIVE

one of the greatest breeding boars of the day heads my herd of over 250 head. Two extra good boars by him, August farrow, for sale. Also choice line of fall gilts, open. Booking orders for spring pigs. Write or call. W. E. WEBB, BENDENA, KANSAS.

Big Orange, Big Sensation & Ott's Big Orange

In service in my herd of POLAND CHINAS. For sale—Pigs of both sexes, and boars of most all ages of the correct type that will please you.



J. O. JAMES, Braddyville, Iowa

LARGE SMOOTH POLAND CHINAS

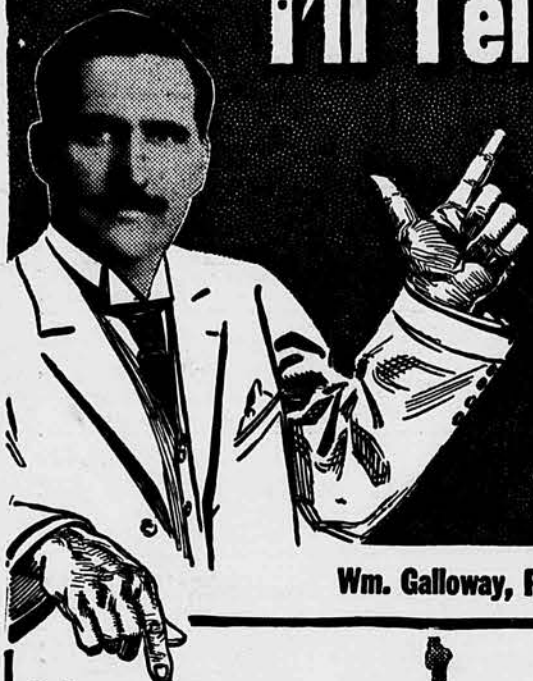
50 Head—At Private Sale—50 Head

I have decided to reduce my herd at once. Those who buy early will get

Big Bargains in Breeding Stock

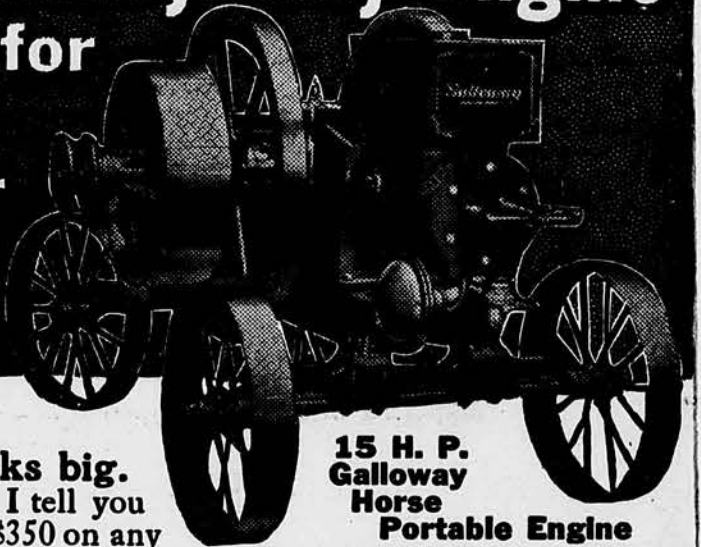
9 bred sows, including some of my best herd sows.
8 open fall gilts by J. R.'s Hadley.
7 fall boars by J. R.'s Hadley—good ones.
26 spring pigs—the tops of this season's farrow.
Nobody will give you better hogs for less money. Can ship over Santa Fe, Rock Island or Orient. Do not wait, write your wants today. They are priced for quick sale.

J. R. MINGLE, Anthony, Kansas



Wm. Galloway, Pres.

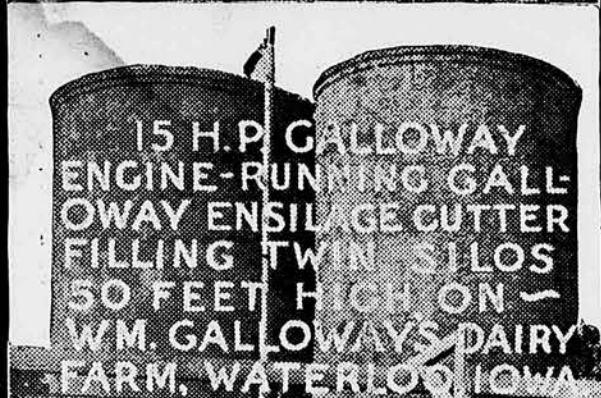
I'll Tell You How to Save \$250-\$350 On a Galloway Heavy Duty Engine 7½-10-15 H. P. for Running Any of Your Large Power Machines Write Me Today!

15 H. P.
Galloway
Horse
Portable Engine

Galloway 15 h. p. engine running silo filler on Edwin Carlson's farm, Winthrop, Minn.



Galloway 15 h. p. engine running Silo Filler on Wm. Schoepke's farm, Hartland, Ill.

15 H.P. GALLOWAY
ENGINE-RUNNING GALLOWAY
ENSILAGE CUTTER
FILLING TWIN SILOS
50 FEET HIGH ON
WM. GALLOWAY'S DAIRY
FARM, WATERLOO, IOWA

That's talking big money but real money talks big. I'll back up every statement when I tell you that you can actually save \$250 to \$350 on any Galloway Heavy Duty (7½-10-15 H. P.) Engine that you select from my line. It's an absolute fact and I can prove it to you in a flash when you get my offer.

Take my 15 H. P. Portable shown in the picture. I sell it for half what you'd have to pay for a trust-made engine of the same power. I said I'd prove your saving on any engine. All right, just drop me a line and I'll send you my big, illustrated engine catalog and Special 90 Day Price Offer. If anybody else wants to sell you an engine, show him my prices and dare him to meet them. I positively know that there isn't a single manufacturer in America who can meet my prices without losing money. My tremendous output and the direct selling plan that I have built up, make my low prices possible. When you buy a Galloway you pay just the bare cost of material and labor with only one small manufacturer's profit added. Compare that plan, backed by years of proved success, with the Trust way of adding four to six profits and you see how easy it is for me to save you \$250 to \$350 on your engine or your complete outfit. Now, I just want you to investigate, that's all. It's money in your pocket—big money. Write me a postal or a letter for my big engine catalog today. Remember, these engines are made in sizes from 1½ H. P. to 15 H. P., either stationary or mounted, and are

Sold Direct from My Factory to Your Farm

All Galloway Engines are made right in our own big chain of factories at Waterloo. There are no better made engines on the market. Galloway Engines are easy to start. Will run without attention as long as you want them to. Use less fuel per horsepower than any other engines on the market. They are proved engines. Over 30,000 in use today and all sold with the privilege of testing them 30 days on your own farm before you decide to keep them, backed by a five year warranty on materials and \$25,000 legal bond. Every user of a Galloway Engine is a booster for them. That's why we sell more of them than any other concern in the world selling engines direct to the user. Isn't that proof enough that it pays to buy the Galloway and save from \$250 to \$350.

Get a Complete Galloway Silo Filling Outfit and Save Big Money

Remember, I can sell you complete Silo Filling Outfit, Shredder, Big Corn Sheller, Irrigation Pumping Outfit, Corn and Grain Elevator and Dump, and many other big combination outfits—all at money-saving prices. Just write me and tell me what you want and let me quote you the lowest prices ever made on these outfits. Write me without fail today for my complete Silo Filling Outfit. Hundreds in use and all giving complete satisfaction.

Free Service Department

My free Service Department, composed of the best engine experts, will give you all the information you want for the proper installation and use of your engine. They will tell you the best size engine to buy for handling your different machines, size pulleys, etc., and how to equip your engine for doing the best possible work. This service costs you nothing, but is worth a great deal to you.

Here's the Real Proof

I just want you to look at these five illustrations here, showing 15 H. P. Galloway Engines at work in different sections of the country, running ensilage cutters and threshing machines. These are only a few of the many views of Galloway Engines at work running different machines, which we have on file. My big Engine Book shows a lot more. Sent FREE.

View No. 1 shows 15 H. P. Galloway Engine filling silo on Edwin Carlson's farm at Winthrop, Minn. Notice how smooth the engine is running in picture and without any attention. No. 2 shows a 15 H. P. Engine running a 20 inch cutter filling 16x32 silo on farm of Wm. Schoepke, Hartland, Ill. Mr. Schoepke said it took them only twelve hours, refilling and all, and that he filled four silos last fall. He paid for his engine the first year doing work for his neighbors at \$10 to \$15 a day. Good money to be made with a Galloway Heavy Duty Engine everywhere.

Wm. Galloway, President, WM. GALLOWAY COMPANY

45 Galloway Station

View No. 3 shows a complete Galloway Silo Filling Outfit on Mr. Galloway's own farm at Waterloo filling two twin hollow-block silos, each 50 feet high. How's that for silo filling? The pipe is 54 feet long. No. 4 shows Galloway 10 H. P. Engine running threshing machine on Walter J. Anderson's farm, Newman Grove, Neb. Mr. Anderson says, "I put it to hard work and it did fine. I had two other kinds but yours beat them." No. 5 shows a 15 H. P. Galloway Engine running threshing machine on W. H. Stuckmeier's farm near Waverly, Iowa.

Write for Catalog and Prices Today

Write me first. Get my 90 day special prices before you buy any other style or make of engine. It will be the best investment you ever made. I am selling more Heavy Duty Engines than ever before in the history of this big business because the men who have bought and used Galloway Engines are helping me sell them. Galloway Engines are their own best advertisement.

Remember, if you want a small pumping engine, or medium sized engine, I can supply you at a big saving. We make all sizes from 1½ to 15 H. P. New Pumping Engine Catalog just out. Let me send you a FREE copy.

Get My Special 1913 Offer

Then as a clincher I am making the most liberal 1913 Co-Operative Profit Sharing Offer I have ever made, which is a tremendous, big inducement for you to buy the Galloway. It will actually help you get your engine partly or entirely without cost to you in the end.

Just mail me a postal or letter for my big illustrated engine catalog and I will give you all particulars of this special offer by return mail. Write me today. Do it before you lay this paper down. Address

WATERLOO, IOWA

Galloway 10 h. p. Engine Running Threshing Machine on W. J. Anderson's Farm, Newman Grove, Nebr.



Galloway 15 h. p. Engine Running Thresher on W. H. Stuckmeier's Farm, Waverly, Iowa

