

Thirty-Two Pages

The

Price Five Cents

FARMERS MAIL AND BREEZE

Vol. 45.

December 11, 1915

No. 50.

Pumping Irrigation Pays Well

Western Kansas Believes in Using the Underflow

BY F. B. NICHOLS, Field Editor

PUMPING irrigation in western Kansas is developing rapidly. The business has definitely passed the pioneering stage, and this rapid growth has come as a result of the big profits. Especially good returns have been obtained on the shallow lifts, where the depth to water is 50 feet or less. Along with this, however, has come very encouraging success on the uplands, and it seems that water may be lifted profitably from greater depths than was formerly thought possible. Very encouraging success on high lifts has been obtained by the Garden City Sugar and Land company, which has 12 plants where the lift is from 150 to 165 feet, and on the Garden City Experiment station, where the draw down is 130 feet.

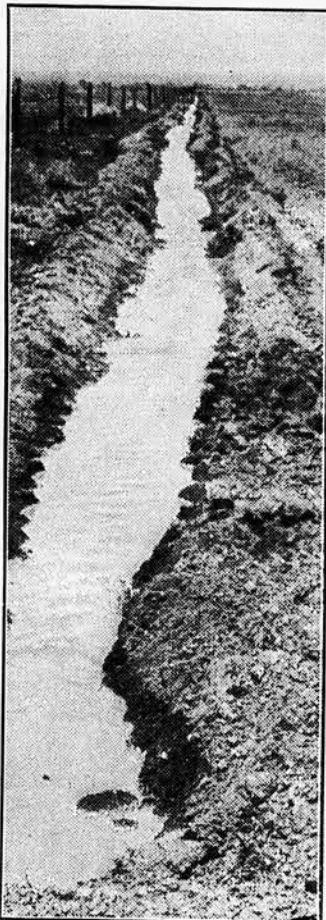
Most of the pumping plants have been installed as drouth insurance, to supply the water needed for plant growth during the dry periods when the yield would otherwise be reduced greatly. As a general rule the larger part of the moisture is supplied by the rainfall, but a small amount applied by irrigation at the right time frequently has a very beneficial effect in increasing crop yields and profits. According to E. E. Frizell of Larned, the president of the Kansas State Irrigation congress for 1916, there were but two seasons in the 42 years he has lived in Pawnee county in which irrigation was not needed, and 1915 was one of these.

The average rainfall in Kansas, when taken over a series of years, is not increasing, and there is nothing to indicate that it will increase. Farmers are learning to use the water supply more efficiently, however, and this has resulted in a great increase in the yields. That is why the future of farming in western Kansas is decidedly bright—there is going to be a greater growth in the agriculture in the western third of the state than is generally appreciated now. Much of this, however, is coming because of irrigation—from the use of the limitless supplies of water which the wise Creator has placed under this wonderfully fertile soil. Did you ever consider some of the excellent yields which have been produced under irrigation in Kansas? Do

you know that J. W. Lough of Scott City and E. E. Frizell of Larned have grown more than 7 tons of alfalfa to the acre as a season's yield, that the Garden City Sugar and Land company frequently has produced more than 50 bushels of wheat to the acre, that yields of more than 20 tons of sugar beets are obtained, and that A. L. Stockwell of Larned has grown more than 20 tons of kafir silage an acre? Do you know that last year on the Garden City Experiment station, where the rainfall was but 10 inches, the kafir which had received 12 inches of water by irrigation gave a yield of 40 bushels of grain and 6,600 pounds of stover? The production cost was \$13.20, which included an excessive cost for the water from the 130 foot lift, and the profit was \$16. These yields are above the average it is true, but they would not have to be nearly this

large to show that the irrigation paid well. It is true that there are irrigation plants in western Kansas which have not paid, but it also is true that many of these were not installed and managed efficiently. Good farming is required along with the water of course—the fact that the average yield of sugar beets on the fields of the Garden City Sugar and Land company is 14 tons, while the average for the district is but 11 tons indicates this.

Every farmer in Kansas ought to watch the development of irrigation carefully—this is true in the eastern part just as well as farther west, for you will see considerable pumping along the streams there in the next few years, especially for the more valuable crops. The dry years will come again, and the water is going to be needed greatly. Farmers who expect to install plants should visit some of the leading irrigation centers, such as Garden City, Scott City and Larned, and talk to the men who are actually doing things in irrigation. Expert help can be obtained from J. W. Lough of Scott City, state irrigation commissioner; H. B. Walker of Manhattan, the head of the irrigation work of the Kansas State Agricultural college and secretary of the Kansas State Irrigation congress; and George S. Knapp of Garden City, an engineer in the government service.

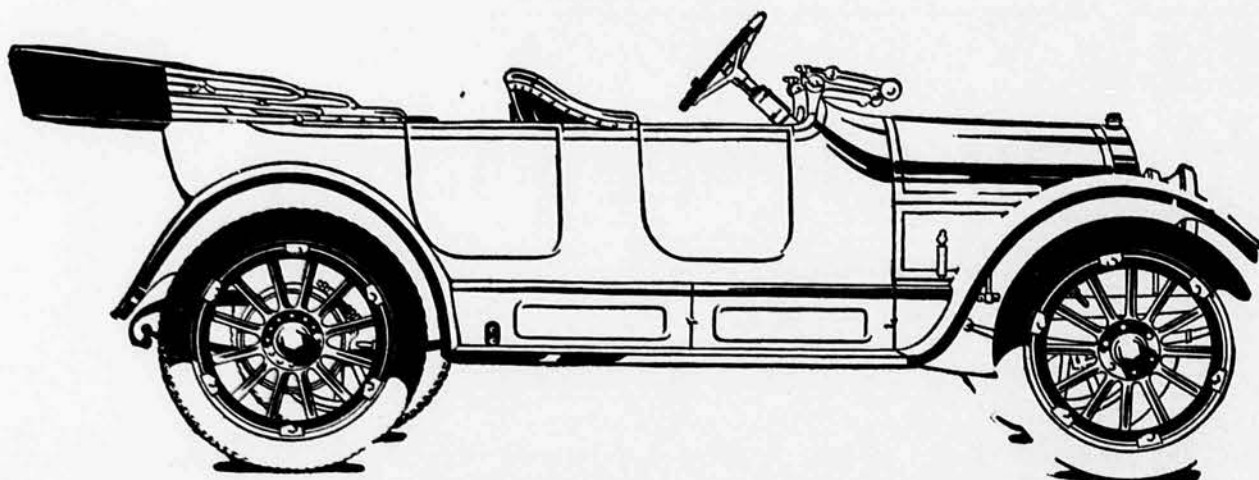


Overland

\$750

Roadster \$725

Model 83, f. o. b. Toledo



Mature Popular Judgment Says This is the Car to Buy

This model was announced early last June.

In a few weeks we had built, sold and delivered more of these cars than had ever before been built of any car of over 100 inch wheelbase, by any producer anywhere in any length of time.

At that time we were building about 300 cars a day.

With more of these cars in every-day service in the hands of owners than of any other car of its size ever produced—

There was, very quickly, everywhere, the greatest opportunity ever offered for people to judge a car by its performance.

Now we are building over 600 cars per day.

This unprecedented demand follows the performance test in every-day service, not

of a few thousand cars, but of a *record output*.

In the mature judgment of the buying public you get more for your money in this car than you can get in any other car now on the market.

Never before has the purchaser of an automobile had so well founded, clear and conclusive a popular judgment as this to guide him in right selection.

The Overland dealer will show you the car and demonstrate it.

The five passenger touring car is \$750; the roadster \$725; the famous Overland Six—seven passenger touring car \$1145—the new Model 75 is \$615 for the touring car; \$595 for the roadster, all prices f. o. b. Toledo.

Catalogs on request. Please address Department 84.

The Willys-Overland Company
Toledo, Ohio



"Made in U. S. A."



THE FARMERS MAIL AND BREEZE

An Agricultural and Family Journal for the People of the Great West



Volume 45
Number 50

TOPEKA, KANSAS, DECEMBER 11, 1915

Subscription
\$1.00 a Year

Jones--He Irrigates

Two Tons of Good Alfalfa Hay Where One Ton Grew Before

By A. G. Kittell

IRRIGATION, costing two dollars an acre for the season, doubled the productive capacity, last year, of 100 acres of Sedgwick county alfalfa land. This land is a part of the Schuyler Jones farm, about 12 miles north of Wichita. It is in the valley of the Little Arkansas River near the town of Valley Center and on the line of the Arkansas Valley Interurban railway.

In establishing his irrigation plant Mr. Jones found a combination of circumstances that insured the success of the venture from the start. These are the topography of the land, cheap power, and a handy market. His land is almost ideally situated for irrigating. The battery of four wells is on the highest point on the farm. This point is just 5 feet, 2 inches higher than the lowest spot on the place. There is a gentle, uniform slope to the surface that would be a joy to the eye of any irrigationist.

For power to operate his pump Mr. Jones uses electric current from the interurban line. A 50-horse power electric motor was set up in the pumphouse and this was connected with interurban power, a half mile away, by a line of wires. The plant needs no engineer as is the case with engine-driven pumps. To get the water, all that is necessary is to turn a switch; the motor begins to purr; there is a gurgle in the pipes, and in a few moments a 12-inch stream of water flows into the weir and out into the ditches, at the rate of 2,000 gallons a minute. The plant then looks after itself.

The third, but by no means least important, advantage is the nearness to market. The interurban company has put in a convenient switch, and when Mr. Jones is ready to sell his hay he loads it on a car, and in a few minutes it is in Wichita. This haul costs him 4 cents a hundred pounds, 80 cents a ton. That's all he puts up when Jones pays the freight.

The pumping plant was installed and ditches put in at a cost of \$3,500. An 8-inch centrifugal pump, the American, is in use. A 12-inch discharge pipe was put in to give the water more room and thus reduce the terrific force with which the stream comes from the pump. The installation of the plant was modeled after those in use in the Garden City district.

Four wells were put down in line with one another, 40 feet apart. The wells are 63 feet deep and the water in them rises to within 21 feet of the surface. In other words the column of water is 42 feet deep in the wells. A tunnel connects the four wells at the water level, and from this point to the surface they are curbed with cement. Below this point, casing of 16-gauge galvanized iron, with 35 per cent open space, was used.

The casing is 15 inches in diameter but is bell-shaped at the bottom, being 24 inches wide at the open end. This was forced down through several layers of gravel and sand until it reached a bed of clay at 63 feet, beyond which

it was useless to go for water. The same bed of clay was struck digging a gas well at Valley Center, two miles south. In this well the drill went through 600 feet of clay. Below this salt water was found.

After forcing the casing down the 4½-inch open space around it made by the 24-inch bell at the bottom, was filled with gravel. This keeps the perforations in the casing from becoming clogged and permits the free entrance of water. The pump is installed at the center of the tunnel with two wells on either side. A 15-inch pipe connects the four wells with the pump, the suction pipe in each well extending 30 feet below the water line. The motor is on the surface in the pumphouse, a belt from the power wheel operating the pump.

Thus far the underflow has proved inexhaustible. A few hours' pumping will lower the water line about 17 feet, but there it stays no matter how long the pumping continues. After a run last summer of 18 days, that was almost continuous, the water in the wells still stood at about 25 feet. This was the severest test to which the plant has yet been put. A little figuring is necessary here to give one an idea of the enormous quantity of water taken out of the ground during that time. Two thousand gallons a minute means 120,000 gallons an hour, or almost 1½ million gallons in a day of 12 hours. Continue this for 18 days and you would have enough water, if impounded, to float a few battleships.

Mr. Jones flooded his alfalfa ground twice last summer—once in July and a second time in August. The ground was thoroughly soaked both times, the aim being to put on about 4 inches of water at a flooding. This represented about 108,000 gallons to the acre. From 6 to 15 acres was irrigated in a day, the condition of the ground determining the length of time required to do the work. Naturally, with the soil very dry it would take much longer to get it soaked. The plant was in operation about 30 days through the summer. The expense

of operating it averaged \$6.95 a day, or to be exact, \$209.70 for the summer.

The ditches run parallel, 270 feet apart, and crosswise with the slope of the land. Laterals leading from the mains were first used, but these have been abandoned as unsatisfactory. The water is turned on the ground directly from the mains. Instead of water gates, a movable canvas dam is used to raise the water in the ditch. The necessary number of openings are then made in the lower bank of the ditch and when enough water has been turned on the ground these openings are closed, the canvas dam is moved farther down the ditch and another section is watered.

Five cuttings of alfalfa were taken from the land last year. The year's crop averaged a ton to the acre for every cutting, or 5 tons to the acre for the season. The hay is baled on the ground as fast as it cures, thus retaining its color and quality. When baled it is taken immediately to the hay barn on the place, holding 400 tons, and from there it is sold or fed as desired.

On land adjoining the Jones farm only two crops of alfalfa were cut last year and there will be a light third crop. This fact, with the experiences on his own farm before irrigating, led Mr. Jones to make the statement that the use of water had doubled the capacity of his land in producing alfalfa. This was the first year the plant was in operation.

So far Mr. Jones has confined his irrigating, on a large scale, to alfalfa. By way of experiment, however, he put water on a half-acre tomato patch, near the pumphouse. From this plot tomatoes were sold to the amount of \$75, while many more were used on the place, and a large per cent rotted for want of time to pick and market them. With cheap water and productive soil so handy to a good fruit and vegetable market, it would seem that there are very promising resources in this district that are almost entirely undeveloped.

There are thousands of acres in that part of the state just as adaptable to irrigation as the Jones farm, but so far

only three or four pumping plants have been put in operation. There is no good reason why the next few years may not see that entire section dotted with pumping plants. In addition to Mr. Jones, several fruit growers near Wichita have seen the light and have put in power pumps to insure themselves against Kansas weather vagaries. The Thomas fruit farm, three miles west of Wichita, has two plants in operation and 60 acres are being irrigated. This farm has 4,000 apple trees on it.

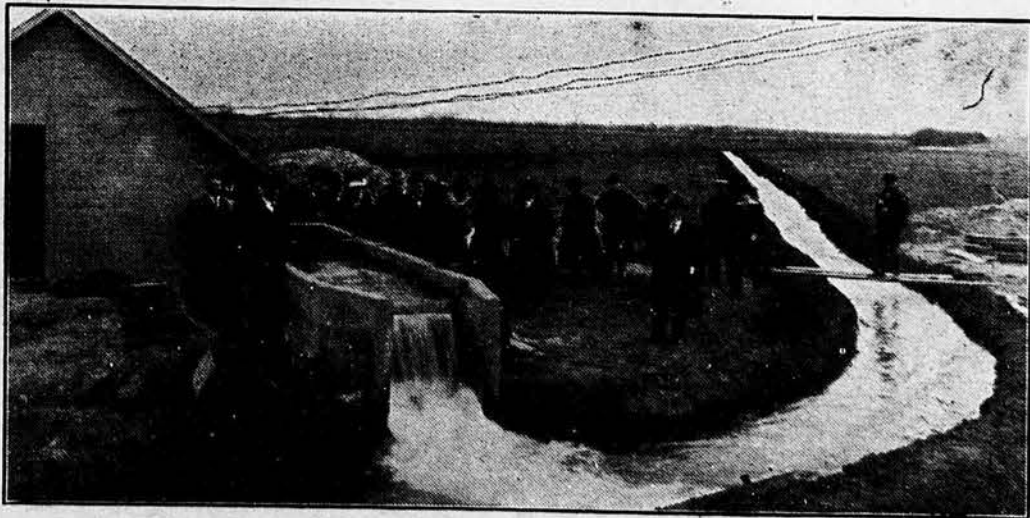
E. G. Hoover, former president of the Kansas Horticultural society, has more than 100 acres of apple trees under the ditch about three miles west of Wichita. He is doing some remarkable things with water in his apple orchard as well as with truck and general farm crops. Fifteen miles northwest of Wichita H. W. Stanley has a quarter section in orchards which he waters from two 15-inch wells furnishing more than 700 gallons of water a minute.

Investigators of the U. S. Geological Survey say that the underflow tapped on the Jones farm comes in from a northwesterly direction and not down the Arkansas valley as might be supposed. It is said that this is the same current that is tapped at Mission, where the city of Newton obtains an unlimited supply of exceptionally pure water. The government geologists believe that this underground river comes from the Smoky Hill valley instead of the Arkansas. Another theory is that this water is the seepage from the range of sandhills to the northwest, extending from near Arkansas City up into Ellsworth county. There is no runoff from this sand, which means that an unusually large amount of water goes into the soil every year.

That the district in which the Jones farm is located was formerly a river bed and is now what is known as a "fill," seems to be proved by the soil passed through in digging gas and irrigation wells. In digging the Jones wells, two cottonwood logs were found, one at a depth of 30 feet and the other at 41 feet. This is further proof that the ground is merely a filled-in river bed, and that the level at which the logs were found was at one time the surface of the ground. The river is still there but it now flows underground instead of on the surface.

But no matter where the water comes from or where it goes, there apparently is plenty of it and the men who are bringing it to the surface are being abundantly repaid for their investment.

No matter if dry weather does come there is no need to let the crops suffer, for there is plenty of water in the underflow to keep them growing. This is the rule all along the Arkansas River, and in most of the other river bottoms of Kansas, too. The improvement in pumping machinery in the last two years has made it possible to extend the irrigation from the underflow quite materially, so this water can be used for general field crops.



The Well on the Schuyler Jones Farm Near Valley Center, Kan. The Pump Is Operated by Electric Motor and Throws a Stream of 2,000 Gallons a Minute.

DEPARTMENT EDITORS

Field Editor.....F. B. Nichols
Farm Doings.....Harley Hatch
Mgr. Livestock Advertising.....Frank Howard

Entered as second-class matter Feb. 16, 1906, at the postoffice at Topeka, Kansas, under act of Congress of March 3, 1879.

SPECIAL 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.

The Farmers Mail and Breeze

Member Agricultural Publishers' Association. Member Audit Bureau of Circulations.

Published Weekly at Eighth and Jackson Streets, Topeka, Kansas

ARTHUR CAPPER, Publisher. T. A. McNEAL, Editor.
CHARLES DILLON, Managing Editor. A. L. NICHOLS, Associate Editor.

E. W. RANKIN, Advertising Manager.

SUBSCRIPTION RATES, - - - - - One Year, One Dollar

ADVERTISING RATES.

50 cents an agate line.

110,000 circulation guaranteed.

DEPARTMENT EDITORS

Women's Pages.....Mabel Graves
Dairying.....V. V. Detwiler
Poultry.....G. D. McCluskey

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

ADVERTISEMENTS GUARANTEED

WE GUARANTEE that every advertiser in this issue is reliable. Should any advertiser herein deal dishonestly with any subscriber, we will make good the amount of your loss, provided such transaction occurs within one month from date of this issue, that it is reported to us promptly, and that we find the facts to be as stated. It is a condition of this contract that in writing to advertisers you state: "I saw your advertisement in the Farmers Mail and Breeze."

Passing Comment--By T. A. McNeal

Travel Notes

Every time I travel on a railroad train I wonder about several things. It doesn't seem to make any difference in which direction you travel, the cars nearly always are crowded, I wonder where all the people are going, what they are going for and how they get the money to pay traveling expenses.

The second wonder is that half of them at least don't contract some disease on the train and die. The ordinary passenger coach, especially in cold weather, is not a fit place for human beings. It is either so hot that you can feel your fatty tissues breaking down, turning to melted lard and slashing around in your interior, or else it is so cold that you can feel the currents of your blood beginning to congeal and your saliva turning to icicles.

Then think of the different kinds of secondhand breath you must breathe in a stuffy, hot passenger car where there are maybe a hundred passengers of all ages, states of cleanliness and varieties of appetites gathered. Some of them have been feeding sweetly on onions, some on garlic, some on bologna. Maybe only a few of them are perfectly healthy and you don't know how many different kinds of bugs the various passengers are carrying on their persons.

The hot car gets hotter and closer. You and each of the other passengers breathe in a conglomeration of a hundred different kinds of breath and fill your lungs with the mixture. It is a wonder they don't all get sick. Then just as you feel that you must soon perish with the fervent heat the car begins to get cooler. In about 15 minutes you feel as if you had better put on your overcoat. In half an hour the perspiration which bathed your form an hour before begins to turn to a thin sheet of ice and you have to keep your mouth shut to prevent your false teeth from shaking out of your head.

Traveling Men

And yet here is a curious thing. The commercial traveling men have to endure this sort of thing every day and a good many of the nights. In addition they have to sleep in all kinds of beds, often between sheets which feel as if they had been dipped in ice water just a few minutes before the weary traveler retired. They have to take trains at all hours of the night, get up and hustle to the station in all sorts of storms. And yet as a class they are about the fattest, healthiest looking lot of men who ever came down the pike. It looks as if their business compelled them to violate about every rule of health but they appear to thrive on it.

Speaking of traveling men, I rode with a group on this trip who interested and amused me. They were so cock-sure about so many things and so ready to pass a final opinion. They all handed out dogmatic opinions about the war in Europe. There were no ifs nor ands about the matter in their opinion. Some of them announced positively that the allies will win, while others were just as positive that Germany can't be beaten.

There is one thing I notice--when anybody gets to talking about the war he always talks about the allies or about Germany. Austria or Turkey never are mentioned. If one were to form an opinion from what he hears and that alone, he would suppose that Germany is doing all the fighting on one side.

One of these traveling men furnished this information which is highly important if true. He said he had it right from first hands that the kaiser is now making and circulating iron money instead of gold and silver. Why Bill should make iron dollars and circulate them when it would be so much easier to make paper dollars and circulate them the wise traveling man did not say.

Another traveling man declared that a representative of the house he worked for was in Berlin a short time ago and got right next to the fact that for 40 years Emperor Bill had been storing gold bars and gold coin and had enough collected when the war began so that he could run the war for three years on that amount without going in debt at all. It sort of stumped him when another traveling man asked why if that was true Bill's government had to borrow so far 40 billion marks, or in our vernacular, 10 billion dollars, since the war began.

On one and only one point were all these traveling

men agreed and that was in the opinion that Henry Ford will not get anywhere with his peace mission. I think that is true but just the same Henry Ford is entitled to credit because he is ready and willing to spend his millions and stand the harpoons of criticism while at least trying to do something for suffering humanity.

In Salina

It sort of grinds me when I visit Salina whose most enthusiastic boomers claim a population of only 12,000 and find that it has two hotels, each of them rather better than the best we have in Topeka with over 50,000 population. Topeka needs a new, first class hotel.

By the way, here is a prediction which you can take for what it is worth. If Salina can get as many railroad lines reaching out to the west and northwest as come into it from the east and southeast it will in 15 years be the fourth city in the state both in population and volume of business. Did you ever stop to think that there is no town of any considerable size east of Salina until you reach Topeka and that west of it there is no city of any size until you reach Denver?

Salina with proper railroad facilities has more territory to draw business from than any other city in Kansas. Twenty years from now it ought to be a city of 50,000 persons.

Kansas Villages

I have been running around a good deal over Kansas in the past week and one thing that impresses me is the improvement in the small towns of the state. A good deal of the improvement is due to cement. I was going to remark that this is the cement age but so many other persons have made that remark that it has grown to sound stale. However, the discovery that walks could be built out of cement--which not only beat any other kind of walks ever made so far as appearance and lasting qualities are concerned but also that they could be built at a price that was within reach of persons of very moderate means--has had the effect to change the appearance of nearly every small town in Kansas.

At first the people who were best off in the small towns built walks in front of their places of residence and they looked so neat and clean that the neighbors who were not quite so well fixed decided they must have walks, too. They discovered that they could buy the cement at a pretty cheap price, mix it themselves and lay their own walks, so in a little while cement walks were laid all over the towns.

One good thing leads to another. After the walks were built it seemed to be sort of a shame to have muddy, ungraded streets with mud holes in the main thoroughfares after every rain and so the grading of the streets followed.

Well, when you have a nice, clean sidewalk in front of your house you begin to feel sort of ashamed to have a rusty unpainted house and a broken down fence around the premises and the yard grown up with weeds. So the houses began to take on color from new paint and the sound of the lawn mower was heard in the land. A good many men in the village who had been in the habit of going down town every evening to loaf and gas and gossip with the other men in front of the corner grocery store began to stay home awhile after supper and mow the lawns and they got a deal more satisfaction out of that than they did out of sitting on store boxes whittling and swapping gossip.

But it did not stop there. Now that the streets were graded and the sidewalks built it occurred to the more progressive citizens that it would be a nice thing to have the streets lighted with electricity. All over Kansas small villages, some of them with not more than 300 inhabitants are putting in electric street lights.

In Cloud County

Last night I stayed at a little town in Cloud county. The town of Aurora does not boast of having more than 300 persons but within a week or two it will be lighted with electricity and the coal oil lamps will be discarded in most of the homes. Aurora is not an exceptional town. It is located

in one of the few French settlements of Kansas. And the French in spite of the reputation they have of being emotional, are in fact a rather conservative people, not disposed to do much experimenting. Of course there are a good many persons of other nationalities about Aurora but French names are more common than any other. These people are thrifty as well as conservative and when they are satisfied that something is a good thing to have they are willing to pay for it.

Within five or six years it is safe to predict that practically every town in Kansas of 500 inhabitants or more will have electrically lighted streets.

A wonderful thing for civilization is electricity. It makes it possible to carry light and power and heat along a slender wire for almost any distance. It makes it possible to utilize the forces of nature which were heretofore inaccessible. It will in time break up the congested centers of population and allow men and women to enjoy all advantages of modern civilization along with the free air of the open country and God's sunshine, which never has a chance in the crowded, smoky, dirty city.

A Human Interest Story

My old time friend, Frank Fockele, is the owner of the LeRoy Reporter. His son, Glick, is supposed to do most of the editing of the paper and also look after the business end but Frank is still on the job to a greater or less degree.

A fine man is Frank Fockele, kind and generous and altogether likable. He was born in Germany and I have no doubt differs radically from me in his view of the present war in Europe. That fact, however, makes no difference in my opinion of him or my liking for him. It is entirely natural that his sympathies should be with the land of his birth.

Frank Fockele has five nephews in the German army, or rather did have. One of the five was killed some time ago and some of the others may have met the same fate before this. In the LeRoy Reporter of last week is printed a letter from one of Frank's nephews in Germany, the only one who has not yet been called to the front, which seems to me to be wonderfully full of human interest and I therefore take the liberty to make some extracts from it:

Out of six brothers I am the only one who has not been called upon to take up arms for our country. Anton has been fighting the Russians and is now in Serbia. Heinrich, Franz and Hubert have also had their baptism of fire. But there is one who fights no more--our good, kind, brave brother Lorenz.

You know from my previous letter that on October 26, 1914, he was wounded in the head by an English bullet. February 1 he reported himself voluntarily as fit for service. April 5 he visited me here in Muenster and on the following day he returned to his regiment. His comrades received him with great joy. In regular letters he described to me in his customary humorous style a soldier's life in the trenches. April 20 his battalion was ordered into the first trenches. On the following evening he was out on picket duty, when about 7 o'clock the French began their usual artillery firing. His comrades were back in the trench.

The fire of the enemy became more violent. Nearer and nearer fell the shells. One exploded in his immediate vicinity. A large splinter shattered his left arm and tore a gaping wound in his left side. As soon as the fire slackened his comrades carried him back into the trench.

On the way they met a friend who was speechless when he saw Lorenz on the stretcher.

"Well, Robert," said Lorenz, "thus they play with soldiers."

It was impossible to carry him farther back. So they bedded him as best they could. Bravely and uncomplainingly he laid there. The doctor gave him a hypodermic injection which put him into a restless sleep. Toward morning he awoke and then realized that he had to die.

Quietly and carefully he instructed the sanitary officer what to do with his effects. His prayer-book he gave to his mother for a keepsake. Then he requested the sanitarian to read the prayer for the dying, and while the sanitarian did so in subdued tone, the spirit of Lorenz left the torn and tortured body. He was 26 years and 2 days old. They buried him back of the trench. A wooden cross with his name carved into the crosspiece marks his grave. A childlike, pure soul--a pious Christian, a brave soldier--that was Lorenz, and as Heinrich wrote me, the best son of our mother, sleeps there in a hero's grave on the desolate and rocky field of the Champagne.

Thank God, Lorenz is the only one of my five brothers who has fallen, and Heaven grant that he may be the only one.

Without doubt Anton was destined to witness and experience the darkest side of warfare. The poor fellow has gone through terrible hardships. After regaining his health and strength in the hospital he returned to his regiment at the front in Russia last January and remained there during the worst winter months. The trench warfare at the western

front is bad enough, but it is like a holiday compared with what the poor soldiers had to suffer at the eastern front where, owing to bad roads and insufficient railroad communication, they lacked many things which go to make a soldier's life bearable. Only one thing was not lacking—insects. The genuine Russian louse was there in abundance everywhere.

In driving the Russians before them they had no time to dig sheltering trenches. When they wanted to rest they dug a small hole, each for himself, wrapped themselves in a blanket and flattened down in the hole. On Easter there was peace on both sides—no shooting—friend and foe fraternized.

It occurs to me that this letter illustrates as well as anything I ever have read, the utter folly of war, to say nothing of the wickedness of it.

Why should this fine young German have had to sacrifice his life? What was he fighting for? He was killed by some other fine young fellow, a Frenchman, who had no quarrel with him and no cause for enmity against him. And of course he and the other German young men were doing their best to kill as many of the fine, young Frenchmen as they could, although they had no more cause for enmity against the Frenchmen than the Frenchmen had against them.

You note that on Easter, on the eastern battle line there was "peace on both sides—no shooting, friend and foe fraternized." Why peace on Easter? If fighting was a just and glorious thing there was no reason why it should cease on one day. And if there was peace and the soldiers of the two armies could fraternize on that day, why in the name of commonsense and humanity should they have been called on to begin killing each other the next morning?

The fact that these men, Germans and Russians, did fraternize on Easter, proves that they would fraternize all the time if they were permitted to do so. They would rather be friends than enemies. It is natural for men of all nations to be friendly. Friendship is spontaneous, hate and passion must be excited by extraordinary conditions.

The people of all nations would live in peace with one another if their rulers would let them.

Good Roads Bonds

Editor The Farmers Mail and Breeze—I have always found myself in agreement with you on the money question but it occurs to me that you go to unnecessary lengths in "whipping the devil round the stump," on the proposition of enabling the state to utilize its credit on a good roads bond issue. Your plan necessitates an amendment to the state constitution. State legislation based on that amendment and finally congressional action, in accord with the action of the state.

The following proposition would no doubt compel an amendment to your state constitution and state legislation to back it up, but it avoids any necessity for converting a majority of the national Congress and the President to your idea. The plan opens the way for the people of any state to beat the bankers and bond sharks at their own game in any great public utility undertaking, such as good roads construction and the like. The proposition is simply this:

Amend your state constitution so as to enable the state to issue interest-bearing bonds in denominations of \$1, \$2, \$5, \$10, \$20 and \$50; for such purposes as good roads construction or for that purpose only, if you wish. Let these bonds bear 2 per cent interest and print them on paper of the size and quality of an ordinary greenback or bank note.

By an entirely separate statute make the interest payable annually, at the office of any county treasurer in the state and provide space on the back of each bond for the recording of such annual interest payments. By further statute provide for the acceptance of the good roads bonds at par plus accrued interest in payment of a special good roads and auto tax, amounting say to 5 per cent annually of the amount of such good roads bonds issued by the state. This would retire the bonds in 20 years from the date of issue less also the time covered by the accrued interest which such bond bore at the time of its redemption in road tax by the holder thereof.

I would make the road and auto tax payable in either the good roads bonds at par plus accrued interest or in legal tender, at the option of the taxpayer. This would prevent speculation in the state bonds and at the same time guarantee their circulation at par within the state which issued them.

Let the state construct the roads, selling the bonds wherever possible for cash, with which to pay for material and labor and also paying for such material and labor by direct use of the bonds wherever possible. That is, use them directly to pay for material or labor wherever they would be accepted; and I believe that such bonds would be accepted at par in every county in Kansas. An appeal to the patriotism of the people of the state to utilize their own credit and pay interest to themselves ought to win and would win.

The above plan may be novel but if it will not work, why won't it? Of course the bankers and the bond sharks would fight the plan tooth and toe nail but so will they fight your plan or any other plan that interferes with their monstrous bond and interest graft. Through the state and county treasurers the machinery for the operation of this plan is already at hand. The plan would not conflict with any federal law, past or present, so far as I know, for the state does not seek to issue money, but to market and redeem its interest-bearing securities; and while I have no doubt that these small denomination bonds would circulate from hand to hand within the state, that fact would be only incidental to and not the main purpose of the legislation which created them.

Los Angeles, Calif. F. M. EL

The foregoing suggestion from Mr. Elliott is interesting and worth considering. Of course nothing of that kind could be done under our present constitution, but with an amendment which would permit the state to engage in road building or other internal improvements I believe his plan with some slight modifications might be practicable. I do not believe the bonds would pass current like money and would favor cutting out the denominations under \$5.

It occurs to me however, that the bonds might be

handled through an association of automobile owners and that an issue of 5 or 6 million dollars in bonds might be floated at par without increasing taxes if after a change of the constitution the state should undertake the building of certain state roads and apply the funds derived from the automobile tax to the payment of the interest and gradual extinction of the principal of the bonds.

When They Eat Grass

Editor The Farmers Mail and Breeze—It is recorded in the book of Daniel, that Nebuchadnezzar, the great king of the Babylonians, for his sins "did eat grass as oxen."

What Nebuchadnezzar did as a punishment for his misdeeds, modern man is about to do, if not voluntarily for the sake of his health and his pocket book, then as a result of that profound catastrophe, the great blunder, the war now on in Europe.

According to a recent news report from Warsaw a factory for the manufacture of human foods from alfalfa is about to be established in that very interesting, historic and sorely vexed city. It has been discovered that alfalfa—a sort of educated grass—is rich in those nutritious elements which are necessary to sustain human life. This ancient product of Asiatic meadows, called Median grass or medic, is held by some students of Biblical lore, to be the identical grass that Nebuchadnezzar ate for seven years, the same as the cattle. The projected factory at Warsaw proposes to extract from the plant such foods as flour, coffee, tea, sirup, candy, tobacco, breakfast food and a number of other articles. It may be done. The long list of commodities derived from coal tar and from glucose has prepared humanity to expect almost anything. Still, I suspect a great number of people are not especially pining to be put on a Nebuchadnezzar diet. But if this war, or modern barbarism, should continue to spread the world over as is indicated it will do—see Jeremiah 25: 27-30—alfalfa may yet stand out in history as among the greatest benefactors of mankind.

According to Bible history the ancient king who ate with the oxen did so as the result of a great curse that fell upon him. A tremendous curse already has fallen upon the people of Warsaw and all Poland, Belgium and Serbia, the curse of war. Should it continue to spread with its horrid atrocities and get the punishments due to be inflicted, as is reasonable to expect, seeing what happened to the king, would it not be the part of wisdom, instead of expending our means for munitions of war, dreadnaughts, submarines, etc., to turn about quietly and plant all our bottom lands to alfalfa, build alfalfa factories on the hills and where possible put out irrigation plants and begin to get ready for the curse that certainly is impending. Verden, Okla. J. C. CLEMMONS.

Control of Railroads

Editor The Farmers Mail and Breeze—While you have published letters and comments covering many important subjects, yet I do not remember any articles on the very important subject of interstate commerce or in other words, our railroads. While I am not well enough posted to make authoritative or positive statements regarding tariffs, etc., yet when we see the deplorable condition of some of these roads, realize that their indebtedness is being piled higher and higher each year and the roadbeds and rolling stock allowed to depreciate while earnings increase, we cannot but think that this condition was brought about by the exploitation by officials who in a short time become millionaires.

Such cases as the New Haven, Wabash, Rock Island, Union Pacific and others convince us that such is the case and that something should be done by our government to save our common carriers and protect the innocent holders of railroad stocks, the ones who really furnished the money to build these roads many of whom are laborers, widows, orphans, persons who by hard work and economy have saved a little for old age, and should not the government see that they are protected as well as those who put their money in a bank?

To me there seem to be just two solutions, the better one, to make them subject to examination; to require sworn statements of financial condition similar to those required of banks. This I believe would put a stop to the manipulation of the funds of the companies and thus secure some return to stockholders.

To require them first to make a showing as to the purpose for which an issue of stocks or bonds is to be used before allowing the issue and require a report showing that it was actually applied to that purpose.

If our government has the right through the interstate commerce commission to regulate at all, it should extend its supervision to cover this vital point. It is evident that it is not lack of business and revenue but inefficiency and dishonesty that have brought our railroads to this sorry condition and robbed the honest investors.

I do not believe the man who loots a railroad is any better than the man who loots a bank. Then why regulate the one and not the other? Why punish the banker and let the railroad man go free?

I would that this question of making the common carriers amenable to some branch of the executive department along these lines, might be so persistently and earnestly demanded, that Congress will take the necessary steps to safeguard the interests of our people.

The other solution I could favor only as a last resort and that would be the taking over of the railroads by the government.

A. E. FOLSOM.

The Interstate Commerce commission already has all the powers suggested in the above letter, but up to this time the evils have not been abated. Perhaps they have been lessened to some extent, though I sometimes have doubts as to whether or not the Interstate Commerce commission and the various state commissions have been worth what they cost.

Exemption from Service

Editor The Farmers Mail and Breeze—Is there a church organization in Kansas the members of which are exempt from military duty according to the Dick military law?

Bloom, Kan.

LUTHER SWANGER.

The Constitution of the state of Kansas provides, Article 8, Section 1: "The militia shall be composed

of all able-bodied male citizens between the ages of 21 and 45 years, except such as are exempted by the laws of the United States or of this state; but all citizens of any religious denomination whatever who from scruples of conscience may be averse to bearing arms shall be exempted therefrom upon such conditions as may be prescribed by law."

This as you will see does not apply to any particular church but to any church which opposes the bearing of arms as part of its creed. I do not have a copy of the Dick law in my office but am quite certain that it does not make any such exemption. If I am right about this then while the state of Kansas could not compel any person belonging to any such church to perform military service, such person would not be exempted from draft by the government of the United States.

Hail Insurance

Editor The Farmers Mail and Breeze—Was there a law passed requiring the mutual hail insurance companies to deposit 80 per cent of their liabilities with the state, so that policy holder may be sure of 80 per cent of his loss? E. R. Bird City, Kan.

No. The mutual hail insurance companies are not required to keep any reserve with the state. An effort was made during the meeting of the last legislature to pass a law requiring such companies to keep a reserve with the state, but it failed to pass.

The Ungrateful Dog

A certain dog was much pestered by fleas. He grumbled and growled so much that he really wore out the patience of the fleas, which were feeding on him and the leaders among the fleas decided to appoint a committee to wait on the dog and remonstrate with him. The committee was appointed and gathered near the right ear of the dog for a conference.

"We understand," said the spokesman of the fleas, "that you have complaints. You do a lot of howling about us. What is your complaint?"

"Complaint!" howled the dog. "You certainly have your nerve to ask me what I am complaining about. Why, your bunch are simply feeding on me all the time. You suck my blood until you are swelled up almost ready to burst, and you never let me have any rest in the day time and mighty little at night. What am I getting out of you, I should like to know, for all the blood I am furnishing you? And you come here and ask me what I am complaining about."

"This talk of yours," replied the spokesman of the fleas, "simply shows that you are possessed of unreasonable discontent. You do not understand what is for your own good. We are your benefactors, as you would see if you were not so blamed ignorant."

"If you were let alone you would lie around and get so fat that life would be a burden to you. You would die in a year or two of indigestion or apoplexy. As it is it keeps the whole bunch of us busy sucking your blood as fast as you make it and keeps you from getting so fat that you would be unhealthy. We force you to take exercise for your own good and besides we keep you so busy biting and scratching that you haven't time to brood over the fact that you are a dog."

Truthful James

"Speaking of good shots," said Truthful, "the best shot I ever saw was Bill Slivers who used to hunt out here in the early days. Bill learned the gun-makers trade when he was young and I want to say that he was some mechanic when it came to that."

"He invented a gun which he made himself that beat any of these here modern guns for long distance and accuracy. He might have made a fortune out of it if he had put it on the market, but Bill just naturally didn't care for money and just made one gun and quit at that."

"One day there was a flock of pigeons flying across the country. In those early days there was a terrible lot of wild pigeons. There ain't any more of them left now, but people who are old enough to recollect back 40 years remember when there were millions and millions of them. This flock was flying so high that they weren't visible to the naked eye but Bill used long distance field glasses when he shot with that gun. The fellers in the camp said they would like to have a mess of birds and Bill said he would just go out and shoot a dozen or so."

"As I said, this flock was flying so high that the birds weren't visible to the naked eye and when Bill said he would shoot a dozen or so the cook gave a derisive laugh and said, 'You doggoned fool, there ain't no pigeons within a thousand miles of here.'"

"Bill didn't say nothing in reply—just took his gun and field glasses and began shootin' in the air. The cook looked at him a minute and then said to the other fellers, 'Ol' Bill has sure been fillin' up on loco weed and gone plumb crazy. Just look at the old fool out there shootin' holes in the air.'"

"Bill paid no attention to the remarks of the cook—went right along shootin' until he had fired 12 shots—then he came in and put up his gun in the corner of the shack. That was just about 7 o'clock in the morning. At a quarter past 11 the birds began to fall. There was 12 of 'em and every one of 'em shot through the head. They was so high when they was hit that it took 'em just four hours to hit the earth."

"All the cook said when he picked up the birds was, 'Ol' Bill wasn't so durned crazy after all.'"

Garden Work in Winter

BY J. C. WHITTEN.

Rhubarb and asparagus cannot receive too much manure. Now that the asparagus stems have been killed by frost, they should be cleaned off the patch, and the ground should be well cultivated and manured heavily for the winter.

Beds of tulips, hyacinths, and other bulbous plants should be heavily mulched with strawy manure as soon as the ground freezes. The coarser portions of this cover should be taken off in early spring as the plants begin to push through it.

Roses may be transplanted in the fall. The rose bed should be mulched with manure and enough loose material, such as straw, can be worked in among the plants to protect them with a loose cover which will not smother their stems.

Strawberry beds should be mulched with straw as soon as the ground begins to freeze. Two or 3 inches of cover will protect the plants from alternate freezing and thawing and will hold the moisture and keep the berries clean next spring.

Those who desire to propagate grapes may make cuttings of the current season's growth when pruning this fall. These cuttings should be about 1 foot in length and cover the bud at the base. Cuttings may be wintered in a well drained bed, packed in sand so they will not dry out and mulched so they will not freeze during the winter. They should be planted 6 inches apart in nursery rows next spring, 1 foot above ground.

Kansas Fruit Growers Met

The Kansas State Horticultural society held its annual session last week at Topeka. Among the features of the meeting was an address by Val Keyser of Nebraska on "Producing the Apple Crop." Mr. Keyser urged especially the need for better methods in spraying, cultivating and packing. George O. Greene, of the extension department of the Kansas State Agricultural college, told of the demonstrations in orchard management in Kansas, and showed how care in fruit growing pays. Another feature was a paper prepared by Henry Field of Shenandoah, Iowa, who told of the best methods of profitable gardening.

There was a great deal of interest in the reports of the state entomologists, George A. Dean of Manhattan and S. J. Hunter of Lawrence, for it is recognized that the problems of control of the fruit insects in Kansas are serious, and that more care along this line is necessary. There also is a belief that more of an effort is needed in getting the younger fruit growers of the state into the society, for the excellent work which it is doing can have its maximum effect only when the greatest number of the progressive fruit growers are reached.

An Interesting Grange Meeting

The open session of the Strington Grange, near Burlington, November 26, was especially interesting. A feature of the meeting was a play, the Burlesque Grange, given under the management of Mrs. H. S. McIntyre. Much attention also was attracted by an address by Mrs. Winifred Breakey on Protection Through Co-operation. Special meetings such as this are held frequently by the Strington Grange, and they are doing much to promote a loyal community spirit.

The Cow That Milks Hard

We have a cow that used to be easy to milk, but in the last two years she has become very hard to milk. Is there any remedy for this? MRS. H. H. Sedgwick County, Kansas.

The only line of treatment for the difficult milking of your cow is to dilate the teat duct. There are on the market teat dilators which may be introduced into the teat where they absorb moisture, causing swelling followed by dilation. Sometimes metal dilators are used repeatedly until a sufficient degree of dilation is caused. Strict antiseptic precautions must be observed during these operations.

Professor Careless always said

A fire drill was "rot."

One winter day the schoolhouse burned.

Too late, he found 'twas not.

Winter Work That Pays Well

Prune the Neglected Orchard—Grow More and Better Fruit

BY M. P. SOMES

NOW when the rush of picking, packing and selling is over and all the work on the farm begins to slacken up the thought comes to the owner, "What can I do to improve my orchard this winter?" The one thing probably most needed is the thing that will automatically suggest itself to him—winter pruning. Yes, that's true, but pruning is a sort of mysterious business and to be handled only by "experts." That idea is all bosh, Mr. Farmer. Given good tools, some idea as to the basic principles of pruning, and backbone

enough to do the work and you can do the work as well as any and better far than many of the so called "tree experts" who have neither of these. One thing which can be advised in almost any orchard and especially in the small family orchard is carefully planned winter pruning. Winter pruning and summer pruning differ in results. Winter pruning of apples tends to make for woody growth and thus for vigor and lends itself to the shaping and balancing of the tree—summer pruning tends towards production of fruit spurs and thus toward increased production of fruit. Effective and productive summer pruning can be done only on trees that have been brought to good condition by winter pruning. For this reason we will not dwell upon summer pruning but instead will point out some of the things to be observed in winter pruning.

First of all comes the matter of tools. In regard to these the old saying holds that the best is emphatically the cheapest. A good pruning knife, a good saw and a good pair of hand shears are most to be desired. As to saws it may be said that of the many types on the market there are but few that are perfectly satisfactory. In general, a double edged saw whether straight or curved has no advantage over the single edged. The swivel saws or "meat saw types" now on the market when carefully used are excellent, cutting with ease and rapidity and having blades so cheap and readily replaced that they are favorites with men who do their own work. Of other favored types, a straight or slightly curved saw with from seven to nine teeth to the inch and tapering from nearly 3 inches wide at the base to 1 inch or a trifle more at the tip is very good. Long handled shears and pole clippers, while they do permit rapid and easy work, do not always make for good pruning, since the bruised limbs, untrue cuts and split stubs will result in losses far greater than the extra work involved.

As has been stated winter pruning tends to make woody growth, not fruit. It is of value in reshaping and rejuvenating old neglected trees. In case of healthy well cared for bearing trees it should be but moderate to avoid the loss of fruit spurs. The first aim should be the removal of all dead or seriously injured limbs. The trees should be opened up to admit light and air but in this care should be taken not to open up the south and southwest sides of trees too much, especially of trees in exposed positions as this will be likely to expose them to drying out and sunburn later. Cut out crossing and interfering limbs and useless water sprouts. Remember that the apples are produced on those short irregular spurs scattered on the limbs and that these, unsightly though they may be, are the source of next season's crop and that in our work we should aim to save as many of these spurs as possible. In many cases especially in old neglected trees, the heads are too high and should be lowered, though this should be done grad-



"There! That Job's Done at Last."

ually, through say three or four seasons instead of one. In making the cuts there are certain points to be noted. First all limbs should be cleanly cut off as smoothly as possible with the surface from which it springs. It is in fact a good plan to take a small collar with the base of the cut limb. One cardinal rule of pruning and one most commonly violated is "Don't leave stubs." No cut should be left so water can lodge on the cut surface. In cutting off heavy limbs use care to prevent splitting. This can be avoided in two ways; by cutting the limb first at a short distance above the base and then removing the base, or by cutting say one-third through the limb from below and then sawing carefully down to complete a smooth cut.

Cut surfaces should be covered with paint to prevent entrance of disease spores of water. There has been much argument of late concerning this painting of wounds, even from those of supposedly high authority to the effect that wounds should be left untreated. Such arguments are very much in line with advising a physician after having amputated a limb to leave the raw surface untreated. A good home-made paint is simply white lead and raw linseed oil. There are several good tree wound paints on the market but those containing tar or coal oil products should be avoided as they are apt to burn or injure the cambium. Paints will stick better and cover better if the wounds are allowed to dry out for several hours before painting, but by this is not meant several days.

Every orchardist, closely observant of his trees is likely to note on the trunks or limbs, roughened and blackened diseased spots of varying size and appearance known as "cankers." There is one of these cankers which from its place of discovery is known as the Illinois canker or from its appearance the "nail-head" or "blister" canker. It can be recognized in its mature form by the nail-head-like spots covering its surface. This canker is distinctly infectious and careless pruning of this infected wood without the proper disinfection of the pruning tools might easily carry the disease to healthy trees. Thus it is well to examine the trees carefully before beginning work and if this canker is present have a small vessel of some disinfectant as bichloride of mercury tablets in solution, or carbolic acid, and thoroughly treat the tools before passing on to healthy trees. This canker is most prevalent in the Ben Davis group of apples but may readily be spread to any others. After examination of the cankers, if you are not certain as to their identity, send a sample to your experiment station for diagnosis.

A word as to disposal of orchard waste and prunings is timely: Do not pile this waste up as is so commonly done and calmly leave the old brush heap to rot. Such brush heaps are a continual source of trouble and loss to the orchard. They serve only as a testimonial to the carelessness of the owner and a most favored harbor for multitudes of insect pests, tree diseases and numerous four-footed enemies of the trees. They should be carefully burned as soon as possible and in any case before spring opens.

Winter also offers an excellent opportunity for work against borers, and dormant spraying for scale.

The constitutional convention has voted for a restriction of citizenship to persons who can read and write English. Henry James knew when to beat it.—New York Mail.

What to do for Fistula

What can I do to cure a case of the fistula? D. T. W. Nemaha County, Kansas.

Fistula may affect any part of the body and frequently is observed in the jaws, either upper or lower as the result of decaying teeth, or it may affect the feet where it is usually spoken of as quittor, or the upper part of the head where it is known as polleil, or the region of the withers where it is spoken of as fistulous withers. I presume that this latter form is referred to in the letter, because it is the most common form.

The treatment of fistulous withers consists in making a large incision into the diseased area, and this incision should be at the bottom of the pipes or fistulous tracts so that drainage will be free and perfect. In addition all dead bone and ligament found at the bottom of these pipes must be removed. After this the wound is to be rinsed out daily with some reliable antiseptic solution such as 2 per cent carbolic acid, or 1/2 per cent compound solution of cresol. If these requirements are complied with, the fistula will heal, but many times it is difficult to obtain drainage or to remove all the dead tissue and in order to obtain the best results, a competent graduate veterinarian should be consulted.

Facts About Side Bones

I have a mule that has side bones. Do they cause lameness? Can they be treated so that the animal will be as useful as any? I have been told that my mule will go lame, and others say he will not get lame. Dickinson County, Kansas. A. S.

Side bones usually cause lameness during their stage of formation. After they are completely formed they usually cause no lameness as long as the animal is used on soft ground, but when the animal is compelled to work on hard roads or pavement, they become what is ordinarily spoken of as "tender footed." There is no form of treatment, though the lameness may be much relieved by applying shoes with high heel calks so that there will be no frog pressure on the ground. Frog pressure causes the foot to expand, and this expansion in turn causes the sensitive parts of the foot to press against the hard side bone which in turn produces lameness. Therefore, by preventing the expansion of the foot, the lameness is much modified. It is also for this reason that working on soft ground frequently causes no inconvenience.

Animals having side bone are classed as unsound or, if they have side bones without lameness, they are classed as serviceably sound.

Treatment for a Wire Cut

A mare belonging to me was cut in the wire about June 1. The cut was between the hoof and the pastern joint. The horse is not lame, but the cut will not heal. I have used all kinds of liniment without success. W. D.

You should clip the hair very short in the neighborhood of the wound so that it may be cleansed more readily. The wound should then be washed out with some reliable antiseptic such as 2 per cent carbolic acid or 1/2 per cent permanganate of potash. After this, dry the wound with a piece of cotton, then dust it with powdered iodoform, place a layer of cotton around the wound and bandage it tightly in position. The bandages should consist of strips of unbleached muslin about 2 1/2 inches wide and at least 20 feet long. This treatment is to be repeated daily until all wound discharges cease to appear. It may be necessary to tie the animal up in such a way that it cannot bite at the wound.

A Cruel Thrust

Gertrude was home for the Christmas holidays, and in her honor the old folks were holding a reception. And in their honor Gertie brought forth her new garments.

Picking up a beautiful creation, she held it up before the admiring crowd and said, "Isn't this perfectly scrumptious? Just think, all this silk came from the little insignificant worm."

Her hard-working father looked a moment, his brow furrowed.

"Gertrude," he said, "that is not the way to refer to your father."—Weekly Telegram.

In setting out shade trees and shrubbery, cut back the tops severely to balance the lessened root systems.

Cash For Boys Who Try

Enter the Capper Pig Club Contest and Win a \$25 Prize

By JOHN F. CASE, Manager

THERE'S going to be an increase in the Kansas pig population. Almost every boy who writes to the contest manager remarks that "the man I bought my sow from says his herd is noted for big litters." I trust that the hopes of our contestants will be realized, but the largest litter doesn't mean that this fortunate boy will be first prize winner in the contest. Remember, boys, that results in the Capper Pig Club contest are to be judged by number of pounds of pork produced (live weight) the cost a pound for growing that pork and your letter about how the sow and pigs were cared for. Even if your contest sow brings only a few pigs you still have a good chance to win and to make a good profit.

Almost every boy who has filed approved recommendations for the contest decided to accept Arthur Capper's loan offer. Every boy who has been chosen as a county representative, even this early, has received business training which will be of value to him in after years. And I hope that keeping records will become a fixed habit with every contestant. One of the most valuable "implements" on a farm is a lead pencil.

From the time you enter the price and weight of your sow until the final weights are recorded and the prize letter written you are receiving a business training that will mean dollars and cents and a lot of satisfaction when you go into the livestock business more extensively later on. Many a man has made a failure in life because he "guessed" that his business was being conducted profitably. No occupation has a greater need for business methods than the business of farming. And when we come to a true realization of the dignity and importance of farming farmers will become real business men.

"What should I pay for my contest sow?" That's a question many boys are asking. The average will be about \$30. Many boys are paying \$25 for a sow and one contestant who evidently wanted something real "classy" invested \$50 in a registered Hampshire. I should not advise any boy to pay more than \$50 for his contest animal. Your pigs are going to be purebreds and a great many of you will make a start in the growing of breeding stock, but it will be time enough later to get into the high-quality game. Take the first year for a study of your breed and its needs for the most profitable development. Then when the 1916 contest ends doubtless Mr. Capper will have something to say about "more and better swine" for another year. But for a beginning it isn't advisable to plunge.

There's no evidence of lack of "pep" in the Capper Pig Club contest. Entries pour in on every mail and it's a matter of great regret that every boy who desires to buy a sow cannot be accommodated. With more than 300 names recorded, though, and entries from more than 40 counties stopped by the publication of approved contestants' names three weeks ago it easily can be seen what a huge sum would be necessary to supply the funds, and what a great amount of work would be entailed in handling the contest. I believe that with a contest open to every boy in the state under the terms of Arthur Capper's generous offer more than 1,000 boys would have lined up for the race before the close of this year. Some counties had 20 or more names enrolled before the boy chosen qualified as county representative. But still there are 15 or 20 counties that have not sent in a single name. Look over the lists of county representatives published in

the November 27 and December 4 issues of the Farmers Mail and Breeze. If your county does not appear in these lists or in the one given here fill out the entry blank and send it in today. If you are the first boy in your county and can file approved recommendations Arthur Capper will lend you the money to buy a sow, giving you a year's time at 6 per cent, and taking only your personal note. And if your contest sow and pigs are among the five prize winners you will receive a check for \$25, \$20, \$15, \$10 or \$5 about January 1, 1917. These official county representatives had filed approved recommendations during the week ending December 4:

Name.	Postoffice.	County.
Fred Coleman.....	Mont Ida.....	Anderson
Donald Peck.....	Chapman.....	Dickinson
Albert Etling.....	Belpre.....	Edwards
Lester Blickenstaff.....	Quinter.....	Gove
Abe Rasmussen.....	Jetmore.....	Hodgeman
Sherman Delaney.....	Dighton.....	Lane

As many of the contestants have bought their sows a little timely advice is worth heeding. Brood sows should be in prime condition at the beginning of the breeding season, says W. L. Blizard. It is a good plan about three or



"We're Not a Large Family, But if You Are Looking for the Quality Kind—That's Us."

four weeks before breeding to start to feeding them heavier so they will be gaining in flesh at the time of breeding. Sows will settle better if gaining at this time.

During pregnancy the fact that the sow is doing double duty must not be overlooked. Not only is she keeping up her own bodily function, but the development of the fetal litter is constantly increasing the drain on her system.

Although feeding at this time will not need to be so heavy as after the pigs are farrowed, it should be liberal. The sow's condition should be good, neither too fat nor too lean. You cannot hope to get a good strong litter and maintain the sow in a half starved condition. It is the wrong idea to think that a sow can give birth to a strong litter of pigs after having gone through a four months' fast.

Therefore, to obtain a good, strong, healthy litter of growthy pigs, we must start to feed them through their dam before birth.

If a brood sow is fed nothing but corn, she will become lazy and just move

around enough to get her feed and then go back to sleeping quarters. She may look nice and sleek and pleasing to the eye, but she will not bring those robust, strong pigs that her sister will who had to hustle more for her living.

The feed should be composed of a variety and should be as nearly a balanced ration as possible, containing the proper amounts of both fat and bone-making material and never an all corn or all kafir ration.

Every hog raiser has to take into consideration the feeds that are accessible to him. Those that are grown upon the farm are of first importance. But it will pay any breeder to buy tankage to balance his corn or kafir.

Corn and kafir are both markedly deficient in muscle and bone forming materials. For that reason, they should be balanced with a feed that will remedy this. Tankage is a protein feed and balances corn or kafir. If alfalfa can be supplied, it also furnishes the muscle and bone forming material, but not so well as tankage.

A ration composed of kafir or corn 50 parts, shorts 45 parts, tankage 5 parts, makes an excellent ration for brood sows carrying litters. Alfalfa hay supplied in racks in addition to this feed is also beneficial.

The addition of bran to this combination is of great benefit as the sow nears farrowing time. It gives bulk to the ration and helps to keep down the craving appetite and has a beneficial effect on the digestive system.

The sow should receive enough of this feed to keep her in good condition. She needs this condition for reserve for the first two or three weeks after farrowing, as it takes about this much time to get her on good feed. A sow that has become too fat on corn or kafir alone is the one that has disastrous results.

During the winter more care will be needed to keep the sow in good health, because it is much harder to supply green feed. Rye or wheat pasture will provide green feed part of the time. Roots are valuable to supply this green feed and give bulk to the ration, but as roots are not grown very extensively in this state, alfalfa hay, preferably the last cutting, will take the place of it when the rye or wheat pasture is not available. Charcoal, lime and salt should be accessible at all times. These meet the hog's craving for a mineral matter in the feed. It is best supplied in a self-feeder. The constant use of such a preparation with a varied ration will in a large measure prevent a sow from eating her pigs at farrowing time.

The sow needs all the pure air that she can get, in good weather when there is sunshine she should have full access to both. Furthermore, she needs exercise every day. Some of our best breeders practice turning their hogs out in the field and letting them roam over it if they have been properly fed. It gives them good exercise and a good opportunity to breathe the pure air. The sunshine and exercise have a beneficial influence on the unfarrowed litter. The

sow that fails to exercise is likely to become out of condition and bring a weak, puny litter. She should have a dry, warm sleeping house kept in a sanitary condition and supplied at all times with good bedding so that they will not pile up during extremely cold weather.

Experience teaches that they should not be crowded in their sleeping quarters, nor should too many be permitted to sleep together during the cold winter season.

The hog can sell the farmers' corn, grain and grass through his stomach at a better price than any other animal on the farm. This makes the pig a desirable farm animal, not only because of the fact that he can convert more pounds of meat out of a given quantity of feed, but because he can be marketed quicker than any other animal and as quickly as a crop of grain. They are essential to the farmers in Kansas. Remember that the feeding, care, and management that you give the brood sow during this fall and winter will determine to a very large extent the number of pigs she will raise next spring.

Dodging Taxes in Kansas

Governor Capper told the Kansas county assessors in session at Topeka that not less than one-half, possibly three-quarters of a billion dollars worth of property was escaping taxation in Kansas. He urged that the assessors find this property and put it on the tax rolls so that it would bear its just proportion of the expenses of the government that protects it. Speaking of the taxation problem and the increase of taxes, the governor said:

"Equitable taxation is one of the biggest, if not the biggest of all our problems. The ideal system, the perfectly fair system of taxation has not yet been devised. As in days of old the crafty man, the shrewd man, the knave, escapes his just proportion of the public burden, which in consequence falls with additional weight upon the purse of the honest man who does not lie about his possessions. Tax-dodging has become one of our recognized national jokes, and who can question that much of this untaxed property is owned by men and women of eminent respectability and of standing in the community? They doubtless soothe their consciences with the thought that 'Everybody's doing it,' and let it go at that. While this bit of sophistry does not in the least excuse or extenuate the crime of robbing the state of its just due, it does make it all the more incumbent upon the assessor to see that every citizen in his district is complying with the full provisions of the laws of the state and with the fundamental principles of justice. The undervaluation of one man's property not only robs the state of the taxes that man should pay, but establishes a precedent and makes an excuse for a dozen, a score, perhaps a hundred similar cases.

"Under the present cumbersome, inefficient and wasteful system of government we cannot with any degree of confidence hope for any great reduction in taxes in the immediate future. No public official who is honest with the people will hold out the inducement of any considerable lowering of state taxes at this time. The functions of government have been so extended in the past decade; the duties devolving upon the state have been so greatly increased; commodities of every kind—happily including the price of labor—have so increased in price that increased taxation seems almost unavoidable, despite the most earnest efforts at economy. Too many commissions, too many useless boards, 'pork barrel appropriations'—these have added their quota to the already high legitimate cost of running our government. Fortunately we have so far escaped the enormous war taxes which so many of our sister nations are piling upon their people in mountain heights, and I cannot refrain from expressing the hope that you gentlemen, who are so fully aware of the difficulties attending the problems of taxation, will not be among those who are stampeded by vague fears and shadows of trouble into a program of militarism which will add so enormously to the burdens our people already bear.

"Do the best we can, the taxes upon our people are becoming more and more irksome. The per capita tax in Kansas has increased from \$5.72 in 1880 to

(Continued on Page 21.)

THE CAPPER PIG CLUB

Arthur Capper, Eighth and Jackson St., Topeka, Kan.

I hereby make application for selection as the representative of

.....county in the Capper pig contest. If selected I will send recommendations as requested, I will read carefully the bulletin entitled "The Feeding and Growing of Swine" published by the Kansas State Agricultural college, will follow all instructions carefully and will keep an accurate record of the weight of the sow when received, the weight of the sow and pigs when slaughtered, sold, or at the end of the contest, and the quantity of feed fed to the sow and her litter. I will do all the work myself as far as possible and will give complete direction as to how it is to be done at any time when I cannot do it myself.

Signed.....Age.....

Approved.....Parent or Guardian

Postoffice.....Date.....

Farm News in Chautauqua

Cattle Are Going into the Winter in Good Condition

BY W. H. COLE
Cedar Vale, Kansas

SELDOM have we seen cattle going into the winter in such fine condition. They had an abundance of grass to put the flesh on and the warm open fall has been another thing in their favor. The absence of the cold, drizzly rains that so frequently occur in the fall and early winter has no doubt also added to their physical condition, for if there is anything worse than a rain and a freeze on unsheltered stock we have yet to learn what it is.

The fine fall weather that has prevailed for some time past has made it possible for us Jayhawkers to get our fall plowing well under way. The average farmer was long ago convinced of the virtues of having the ground for his spring crops plowed in the fall and the up-to-date tiller of the soil is even more prompt to employ "Old Jack Frost" in making the best possible seed bed for spring crops.

The old saying "when the frost is on the pumpkin and the fodder's in the shock" can be only half applied to this part of the great Southwest this year. There is fodder in the shock all right, but there "ain't no pumpkins." This is due to the fact that there were too many hungry bugs to feed. One man cleaned out his vines and then the bugs cleaned them again. One row of vines some distance away was considered too weedy to tackle with the hoe and was consigned to the tender mercies of the weeds and, surprising as it may seem, made a good crop of yellow pie fillers. This was made possible only by the excessive rains which provided both weeds and vines with plenty of juice, and the weeds were so thick the bugs could not find the vines. However, such gardening is rather risky business, and a kind the average person does not care to practice.

We have heard it said that a wet season was likely to make kafir smutty. Just how much moisture it takes to bring about the smutty condition we are unable to say, for with all the rain we received the last summer, we haven't seen a single smutty head.

More Progress can be Made

A much greater efficiency can be obtained in Kansas farming. This is true of almost all operations, and it applies especially in getting a stronger organization of the work, and in the use of better selling and buying methods. Good management is required if the farms of this state are to make the progress which they must make if the best rural civilization is to be established.

Good farm management comes largely as a result of increased knowledge of the technical end of agriculture, in connection with good business sense. If a man understands that he is certain to ruin his soil in time unless a good crop rotation which features the legumes is established he is likely to give more attention to this than if he is lacking in a knowledge of fertility. If he appreciates the supreme importance of livestock in fertility conservation and also in increasing profits he is likely to work into livestock production, and away from the destructive grain farming.

That there has been a great increase in the technical knowledge which you can find among Kansas farmers is very obvious, and it is being reflected by better farming. The progress which is being made by a few of the leading sections merely shows still more forcefully the need for additional effort by the more backward communities.

Hay Farming is Wrong

The hay business of Kansas is in bad repute. This is especially true in the prairie hay sections of eastern Kansas, such as in Coffey county, where the baling of prairie hay is a big business. It is true that the crop of 1915 was large, and it is just as true that the prices were so low in many cases that they did not pay the cost of production. After the commission men and the other obstructions to the market-

Farm sales are numerous, stuff with the possible exception of machinery, is selling well and cattle are higher at all of them than the Kansas City market quotes. Just why a level headed farmer will give more for an article at a sale than he would give privately is one of the unsolvable mysteries and yet they do it at every sale. We saw a fellow give a quarter more for a post auger at a recent sale, than a new one would have cost. Perhaps he thought that the rust and the broken handle which adorned it were worthy of a premium.

The disease that is taking so many of the swine in this part of Kansas seems to be a new one to most old hog raisers despite the fact that the veterinarians call it the hog cholera. Some of the old timers contended that a post-mortem examination showed only the lungs to be affected and in view of such symptoms and evidence contended that the disease was anthrax or something similar, but the veterinarians scoffed at such a diagnosis and increased our uneasiness by informing us that there were 17 kinds of hog cholera.

Baled hay is going to market at a lively rate just now in this part of the world and for the choice grades good prices are being realized. There will be practically no choice alfalfa fed here this winter as it is about all being sold, and feeders are expecting to utilize the first and second cuttings. Both were badly damaged by the rains which soaked it either in the windrow or in the stack.

Considerable road work is being done here at present and the weather seems especially fitted for it. Instead of the old eight horse grader with which the road overseer used to wear out the best horses the township afforded, a new one is being used and it certainly is a great improvement over the old style both in work and ease of operation. It is one of the new style four horse machines, and four horses walk along with it in comfort. In this heavy soil six horses take it along a great deal better.

ing of the crop were removed there was not much profit left for the producers.

Kansas is recovering from this hay baling disease, and jolts such as it has received from the low prices of 1915 help in this. Hay farming has been a great drag on the agriculture of the state for many years, and it is a drag that should be removed. If the feed that is sold through the hay route were used in the building up of the livestock industry, as it should be used, there would be a great increase in the profits which the prairie hay section is making.

Of course it is true that some of the big operators made good profits from the last crop, just as in the more favorable years. A few of the successful men have made fortunes from the hay business, but the average man has not made good profits from it, and he never will. The business is fundamentally wrong, and it should be done away with. More profit will be made if it is replaced by a good system of livestock farming.

Stallion Owners Are Protected

What is the new stallion lien law? What protection does it give the stallion owners? CHARLES GUFFIN.
Delphos, Kan.

The stallion service lien law was passed by the last legislature to make it easier for stallion owners to collect the service fees. It gives a lien on the mare until the fee is paid. The more important features of the bill are:

SECTION 1. The owner of any stallion licensed by the Kansas State Live Stock Registry board to stand for public service in the state of Kansas, or the owner of any jack standing for public service in the state of Kansas shall have a lien for the amount of the service fee charged, on each mare bred to such stallion or jack, also upon the offspring resulting from such service, for a period of 12 months from the time of such service if mare does not produce a colt, and 20 months from the time of service if she produces a colt from such service, which lien shall be enforced in such a manner as hereinafter provided.
Provided, however, that such lien shall

not be enforced until mare shall foal from such service, except in cases where the owner at the time of service sells, trades, exchanges, or removes from county where bred, or attempts to sell, trade, exchange, or remove from the county where bred such mare without first having paid the regular advertised service fee or securing in writing from the owner of the stallion to which said mare has been bred permission to sell, trade, exchange, or remove from the county where bred.

SEC. 2. Any person, persons, firm, company or corporation that shall trade, exchange, sell, or remove from the county where bred, within a period of 12 months from the time of service if mare does not produce an offspring from such service, or 20 months if mare produce an offspring from such service, any mare bred to a stallion licensed by the Kansas Live Stock Registry board to stand for public service in the state of Kansas, or any jack; and for public service in the state of Kansas, without paying the regular advertised service fee of such stallion or jack, or securing in writing from the owner of the stallion or jack to which such mare has been bred, permission to trade, exchange, sell, or remove from the county where bred, shall be guilty of a misdemeanor and upon conviction in any court of competent jurisdiction shall be fined not less than \$25 nor more than \$100 for each offense.

Under date of October 21, 1915, Attorney General Brewster gives the following opinion regarding the constitutionality of the law: "In my opinion the law is constitutional, and the title is broad enough to cover the matter contained in the law."

No Party Lines in "Preparedness"

Before making any largely increased appropriation for "preparedness" a commission should be appointed to investigate what has become of previous appropriations and report what actually is needed, in view of this experience. This is the suggestion made in a telegram sent by Governor Capper a few days ago, to the World, New York City. The World sent the governor the following telegram:

Governor Arthur Capper, Topeka, Kan.

Do you believe that the question of national preparedness is one that transcends party lines? Do you think that both Republicans and Democrats should put aside all partisanship in seeking a solution of the problem confronting the nation? The World is asking these questions of a few men whose opinions would be of great value. We would appreciate a reply.

THE NEW YORK WORLD.

Governor Capper's reply follows:
Editor of the New York World,
New York, N. Y.

I agree that national preparedness for national responsibilities of every character is a subject that transcends party lines and that Republicans and Democrats should put aside partisanship in seeking a solution of such a national problem. I believe that congress should not be driven by terror into hasty and ill-considered action and the expenditure of hundreds of millions of dollars unnecessarily and uselessly. I believe that far better than any such expenditures by congress at the present session would be the appointment of committees to investigate the state of the national defenses in all respects and to report also on the use that has been made of the numerous appropriations of more than a billion dollars made in the last twelve years for national defense, so that costly mistakes in the future may be avoided. The country is in no danger of invasion with all great nations engaged in a life and death struggle. To permit itself to be hurried or stampeded into reckless appropriations at this time would be a reflection on the competency of congress to represent the country.

ARTHUR CAPPER, Governor.

Manure Is Valuable

The best results from manure will be when it is hauled directly to the field. 6 to 8 loads an acre, to be plowed under for corn or top dressed on pasture or grass land. It will benefit these crops and also the grain crops that follow. When fresh manure is to be applied to a grain crop top dress with it 6 to 8 loads, or if rotted manure is available, it can be plowed under. On the North Dakota Experiment station farm, manure applied to corn land 6 loads an acre, has increased the corn and the following three wheat crops enough to make a return of \$1.50 a load.

No Disease from Tankage

Is there any danger of introducing cholera through the feeding of tankage to hogs? Crawford County, Kansas. C. G.

There is no danger of introducing hog cholera into a herd by feeding tankage, because the tankage has been heated to a very high degree which thoroughly destroys the hog cholera organism.



An Ideal Gift

Among the Christmas gifts you bring the folks at home there's one will please them all—the sort of gift they'd pick out for themselves: useful, handsome, different from the things they always get—an

EVEREADY FLASHLIGHT

a complete electric light that can be carried in the pocket or kept in some convenient spot ready any time to give a bright, safe light that can't blow out, blow up or start fires anywhere it does away with groping in the dark—the handiest light you ever saw.

Stop at your dealer's today and from the many styles pick out the ones you want for every member of the family. You'll be surprised how reasonable they are in price. A postal brings you complete catalogue No. 91.

AMERICAN EVEREADY WORKS
of National Carbon Co.
Long Island City New York

No. 2631—\$1.50

Galloway Offers Great Bargains For 1916

1915 has proven a wonderful year. Bigger business, more customers, lower prices than ever before. Now comes 1916. Plans are all made. Factories will increase capacity and decrease manufacturing cost. Galloway customers will get the benefit. Will you be one of them—and

Save 35 to 50% On Your Purchases in 1916

Get a piece of the million Galloway will divide. Cream separators, manure spreaders, gasoline engines, farm implements. Everything for the farm and household. Sold direct, wholesale factory prices will make you our customer for life. Get 4-color catalog. Shipped from E. C. Galloway, Spokane, Waterloo, Chgo. or Omaha. Wm. Galloway Co., 47 Galloway St., Waterloo, Iowa.



KITSELMAN FENCE

Get It From the Factory Direct. HORSE-HIGH, BULL-STRONG, PIG-TIGHT. Made of Open Hearth wire, heavily galvanized—a strong, durable, long-lasting, rust-resisting fence. Sold direct to the Farmer at wire mill prices. Here's a few of our big values: 26-inch Hog Fence - 12 cts. a rod. 47-inch Farm Fence - 18 cts. a rod. 48-inch Poultry Fence - 24 cts. a rod. Special Prices on Galv. Barbed Wire. Our big Catalog of fence values shows 100 styles and heights of Farm, Poultry and Lawn Fence at money-saving prices. Write for it today. It's free. KITSELMAN BROS. Box 52 Muncie, Ind.

WRITE FOR BROWN FENCE BARGAIN BOOK AND SAMPLE

Over 25,000,000 rods Brown Fence already sold to 400,000 farmers. Factory Prices. Freight Prepaid. 150 styles. 13c per rod up. Gates and Steel Posts, too! Write postal. THE BROWN FENCE & WIRE CO. Dept. 13 Cleveland, Ohio

10 1/2 A ROD

Get our big, Free Catalog showing 164 styles of fencing and gates. It will save you many a dollar to have your order filled direct from our nearest mill or warehouse in Indiana, Nebraska, Colorado, Texas, California or Kansas. Better fence for less money. Write NOW before you forget it! Ottawa Manufacturing Co., 11 King St., Ottawa, Kansas.

FARM FENCE

12 1/2 CENTS A ROD for a 26-inch high fence; 16 1/2 c. a rod for 47-in. stock fence; 30 1/2 c. a rod for 50-in. heavy poultry fence. All-Open Hearth Galvanized wire. Sold direct to the farmer on 30 days FREE TRIAL. Barbed Wire, 80 rod spool, \$1.59. Catalog free. INTERLOCKING FENCE CO. Box 25 MORTON, ILLS.

12 1/2 ECONOMY

Before you buy any more fence, write for facts about our 26-inch ECONOMY HOG FENCE at 12 1/2 c. per rod. Many other styles and prices. Keystone Steel & Wire Co., 5560 Industrial St. PEORIA, ILL.

Concrete Hog Floors Pay

A Long Loading Chute Also is Well Worth While

BY H. C. HATCH

THANKSGIVING week, aside from one windy day, was an ideal week for the stock feeder. Farmers who have sown wheat would like to see some moisture soon. It has been almost 60 days since we had rain enough to moisten the top of the ground.

Cattle can be shipped to Chicago but owing to foot and mouth quarantine they cannot be moved from there. Any cattle shipped to that point have to be sold for what buyers there are willing to pay. This makes prices low there.

There has been a variety of work on this farm the past week. For one thing we made a final finish of the cement work around the hog house. We covered much more ground with concrete than we expected when we started, but as we progressed the results were so good that the work just naturally extended itself. When the cement sets our hogs can now do all their eating and drinking and sleeping without setting foot in the mud. We do not expect them to keep out of the mud on that account but they need not wallow in it unless they wish.

The money cost of cement and concrete floors is not great. The labor connected with the work is considerable,

hot weather, as the hogs are easily driven into the house.

The matter of farm credits seems to possess much interest now and I have this fall heard many curious plans given for making farm loans at very cheap rates of interest. One speaker, a congressman, favored direct government loans to farmers at 4 per cent interest. His plan was to limit the loan to 40 per cent of the value of the land and to lend only to those who wished to buy farm homes. No doubt this man means well but he proposes a plan which for rank class legislation cannot be equaled. If the government must lend money to farmers why not to printers, carpenters, blacksmiths or to any man who can put up the security and who can prove that he needs the money? The facts are that much private capital now invested in farm loans is on farms where more than 60 per cent of the land value is borrowed and in many cases almost the full value of the land is covered by mortgage. Such a debtor needs money worse than anyone else but under the 40 per cent plan he would be entirely cut out as would 90 per cent of those wishing to buy farms on borrowed capital.

It must be remembered that the government does not leave to the average

cut most of the way for the road has a pretty good crown in most places, but we do want to get the ditches cleaned out and the ruts filled. The road crosses a creek over a bottom of rock thrown in loosely. They serve to keep travel out of the mud but at the same time it makes a very rough crossing. As soon as the road is graded we expect to haul in rock enough, together with sand and cement, to make what is called a "low water" bridge. A 16-inch galvanized tube will be put in to carry low water while the high water will run over the top. Many such crossings have been made in this county during the last year, and they serve their purpose well. They make a smooth, solid crossing, passable at all times except for a few hours in the year when water is very high.

Percherons for the War

BY E. B. WHITE

In the 13 months ending September 1 more than 378,000 horses, valued at \$2 million dollars, were exported. More than 97,000 mules, valued at 18 million dollars, were exported at the same time.

These figures are official. While I have not the figures for September and October, I am absolutely sure they will bring the purchases for foreign accounts up to a half million horses valued at 100 million dollars, and the value of mules purchased probably will increase the total to 130 million dollars.

I believe it is safe to say that 75 per cent of the horses taken for artillery purposes were sired by Percheron stallions. The registrations made by the Percheron Society of America during the last fiscal year were as follows:

American bred mares	4,542
American bred stallions	3,795
Imported mares	48
Imported stallions	107

Total 8,492

This is the largest number of American bred animals ever recorded in one year in the history of the society.

As there have been 747 more mares recorded than stallions it shows that breeders are beginning to discriminate in the selection of their stallions, which is a healthy condition.

No doubt the teachers will be perfectly willing hereafter to hold fire drills in St. Johns school at Peabody, Mass., when a new one is built.

HARD TO DROP But Many Drop It.

A young Calif. wife talks about coffee: "It was hard to drop Mocha and Java and give Postum a trial, but my nerves were so shattered that I was a nervous wreck and of course that means all kinds of ails."

"I did not want to acknowledge coffee caused the trouble for I was very fond of it. At that time a friend came to live with us, and I noticed that after he had been with us a week he would not drink his coffee any more. I asked him the reason. He replied: 'I have not had a headache since I left off drinking coffee, some months ago, till last week, when I began again here at your table. I don't see how anyone can like coffee, anyway, after drinking Postum!'"

"I said nothing, but at once ordered a package of Postum. That was five months ago, and we have drank no coffee since, except on two occasions when we had company, and the result each time was that my husband could not sleep, but lay awake and tossed and talked half the night. We were convinced that coffee caused his suffering, so he returned to Postum, convinced that coffee was an enemy, instead of a friend, and he is troubled no more by insomnia."

"I have gained 8 pounds in weight, and my nerves have ceased to quiver. It seems so easy now to quit coffee that caused our aches and ails and take up Postum." Name given by Postum Co., Battle Creek, Mich.

Postum comes in two forms: Postum Cereal—the original form—must be well boiled. 15c and 25c packages.

Instant Postum—a soluble powder—dissolves quickly in a cup of hot water, and, with cream and sugar, makes a delicious beverage instantly. 30c and 50c tins.

Both kinds are equally delicious and cost about the same per cup.

"There's a Reason" for Postum.

—sold by Grocers.



"For the Last 10 Days a Machine Has Been Working in This Vicinity Cleaning up the Odd Jobs of Threshing."

especially if the rock used has to be hauled any distance. If one can get shell rock which breaks easily much of the hardest work is saved. All the rock we used with the exception of two loads was shell rock picked up in a neighbor's pasture and it broke easily. The two loads were picked up around the buildings and yards on this farm and it was a job to break them, they being the genuine old blue limestone. They were of odd shapes which could not be used in building and had lain around the farm for 40 years after having been drawn here by the man who homesteaded the land.

For the last 10 days a threshing machine has been working in this vicinity cleaning up the odd jobs of oats, bluegrass, flax and Sweet clover which should have been threshed two months ago. Much of the Sweet clover stood in the fields in shocks just as it was when harvested last summer. How it turned out I do not know but it must have been worth threshing because they kept at it until the work was done. On such jobs the charge is by the hour. As high as \$2 a bushel has been paid here for threshing Sweet clover, which, next to flax, is about the hardest stuff to put through a separator there is. There are a few jobs of kafir to thresh later, but most of this grain did not mature enough to pay for threshing.

In former years we had a movable chute for loading hogs, but when we made the new hog house and put up new fences we put in a stationary chute near the door of the house. By slipping in a panel we can drive the hogs directly from the house into the chute. I like this plan for I find that hogs will load much easier when they go out through their accustomed way. The new chute is longer than the old one, which makes the ascent from the floor to the wagon more gradual and because of this big hogs take more kindly to it. Now when we wish to load hogs we merely have to drive them into the house, separate them there, let the ones we do not want out through the west door and drive those we wish to sell out of the east door into the chute. It makes loading easy and does away with any running in

farm mortgage holder much more than 4 per cent net under our present tax law. The tax rate in most eastern Kansas towns will not fall much below 2 per cent. In Burlington, our county seat, it is 2.16 per cent, and this does not include special water and sewer taxes. As the usual mortgage rate here is 6 per cent this tax takes at one swoop more than one-third the total income. Is it any wonder that Kansas money leaves the state for investment? Under the present law there is no way whereby a recorded mortgage can escape taxation and who would care to risk leaving a mortgage unrecorded to escape taxation? In European countries the present war tax takes a less proportion of the income than this. If the government wishes money owners to lend their capital at a less rate of interest let it stop taking one-third of the amount in taxes. Is it any wonder that money dodges taxation when possible?

But if the government should let loose an immense amount of money to prospective farm buyers at 4 per cent do you think that the land buyer would reap any benefit from this low rate? No sir, he would not. The demand for land would at once increase the price to much more than the 2 per cent that would be saved. The men who would reap the benefit would be the men with land to sell, not those who wish to buy. And if the government would lend only up to 40 per cent of the land value how many prospective land buyers could take advantage of the low rate? And where would the government get the money to lend? Issue bonds or print fiat money? A government that is not taking in money enough to pay running expenses would be in a poor position to lend money without resorting to one or the other of the foregoing propositions.

The road grader of a neighboring township was this noon hauled into our yard and left. On next Monday we expect, along with a neighbor, to take it and grade the mile of road running south from this farm. It is not a good time to grade, we know, but it is the only time we have been able to find in this year of floods. We expect to make but one



Select your Christmas gift from this Catalog

For what more useful Christmas present could one give or get than a South Bend Watch? This book—68 pages, illustrated in color, and free for the asking—tells how South Bend Watches are made, how perfect they must be in design, appearance and time-keeping accuracy before they leave the factory.

Send for this Christmas Catalog today

THE South Bend WATCH
\$16 to \$100

South Bend Watches come in more than 100 handsome styles, with enamel novelties, initial monograms, fraternal emblems and new plain designs.

All movements and cases fully guaranteed.

This catalog shows all these, including the famous "Chesterfield" line, the Studebaker Railroad grades, the Ladies' Dainty models and others.

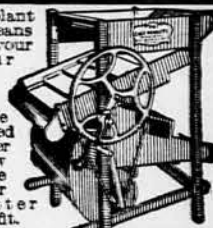
Before you decide what to buy for Christmas presents look over this catalog. It will pay in the end. Write for the Book now.

SOUTH BEND WATCH CO.

2712 Studebaker St. FROZEN IN ICE
South Bend, Ind. KEEPS PERFECT TIME

Don't Guess About Seed Use One Minute Grader And Cleaner And Be Sure

You can't afford to plant ungraded seed. It means loss to you. Grade your seed and give your land a chance to make money for you. Grow 5 to 15 bushels more per acre with good seed graded in One Minute Grader and Cleaner. Grow less weeds and more grain for a better profit.



3 Machines In 1
Grain Grader, Cleaner and Corn Sorter, Combined
Grades and cleans any grain or grass seed at one operation. Separates mixed grains. Sorts seed corn so planter drops same number of kernels ninety-nine times out of a hundred. A substantial, efficient machine that any farmer can afford to own. Hundreds in use today, and not a single user dissatisfied.

INVESTIGATE NOW
Write for free catalog describing the One Minute Grader and Cleaner. Give your dealer's name and we'll arrange to ship a One Minute for your approval. Do not buy until you have seen it and compared it with the others.

One Minute Mfg. Co.
250 N. W. Fourth St.
Newton, Iowa

MAKE YOUR BIKE A MOTORCYCLE
at a small cost by using our Attachable outfit. FITS ANY BICYCLE. Specially attached. No special tools required. Write today for our FREE BOOK describing the SHAW Bicycle Motor Attachment. Motorcycles, all makes, new and second-hand, \$25 and up.
SHAW MANUFACTURING CO.
Dept. F. Galveston, Kansas.





Pyrene Saved Our Farmhouse

We boys were scuffling in the kitchen when one of us struck a leg of the cook stove. The thing toppled and blazing coals fell into the wood-box. In an instant the dry kindling was shooting flames. Grandma was in bed, helpless—we were scared stiff, it looked like everything was going—then Ben jumped for the Pyrene, squirted it on the fire—and all was over.

It was lucky Dad thought to bring home Pyrene.

Pyrene saves 15% 600,000 Pyrenes
on auto insurance are now in use

Inspected, Approved and Labeled by the Underwriters' Laboratories, Inc.

Send us the name of your implement or hardware dealer and we will send you a valuable book on fires, "The Vital Five Minutes."

PYRENE MANUFACTURING COMPANY
52 Vanderbilt Avenue New York City
Branches in 41 Cities



State Highways Help Farmers

Kansas May Learn a Roads Lesson from California

BY GEORGE B. HARRISON

CALIFORNIA has pioneered in road building, as have Minnesota and Michigan and other states, so that Kansas may learn and spend its money more wisely. In California the state highways serve large areas of farm country; they are in danger of flood; they run with paved roads through areas where frost prevails and 3 feet of snow falls every winter; they have continued dry and hot periods, and they must take care of an increasing traffic which is unduly hard on an earth road—all conditions which are somewhat similar in Kansas. The state also harked back to the days of 1861, as does Kansas, in straddling the section lines and following expensive and needlessly lengthy locations. Grade crossings on railroads which invited death under modern traveling conditions; dangerous curves; bridges inadequate to loads imposed, or to streams crossed; a lack of safety measures on hilly roads, and other conditions at present to be noted on Kansas roads were likewise common in California, and have been confronted in the task of reconstructing the roads of the state. In some ways, the matter of proper re-location of the roads, which should be preliminary to construction of permanent roadways, was more difficult than in Kansas, for the land was sometimes worth from \$500 to \$1,200 an acre, and was held in small lots of a few acres each.

The main result which comes from a state highway system is that the private

been made the hired man would help the rancher load all the stuff on the wagon upon the state highway and then go back to the ranch with one of the teams. The farmer would drive on into the city, hauling in one load with one team on the improved state highway which required four horses and four or five trips with the same wagon on the old mud roads. This may sound unbelievable, but it is true.

A Kansan's Experience.

Newman brothers, who learned to farm in Kansas, went to ranching in Sacramento county, California. The good roads there made it possible for them to haul into Sacramento, although their place was on a stretch of unimproved road off the main road. They made a specialty of supplying the best milk and cream and sold it direct to consumers in Sacramento. Its excellence soon caused a demand considerably above the market price, for hospital patients and babies. Thanks to the good roads they were able to deliver daily on the exact schedule demanded by this class of trade and practically to command their own price as their patrons insisted on paying above the market rate, and the doctors certified that the Newmans supplied milk which was worth more. They ran back and forth with a light truck, but on one occasion the extremely bad weather made the stretch of unimproved road impassable. By strenuous efforts, reserving the truck on the paved road and hauling to and fro with a light rig over the bad road they got their milk and cream to the truck and then speeded up to make the regular deliveries in Sacramento. The improved road was built to meet just such conditions, and they had no trouble once the load reached it.

Countless instances might be detailed to show how the improved roads of California help the people whom they serve and add to the returns received from ranches. Where roads have been made "good roads" no one living on them would think of giving them up. They were able to get along without them before they had them. But their great-grandparents were also able to get along without matches.

The storm of indignation caused by the exposure of the gas receivership graft has brought forward no defender of this form of legal pillage. The reason is that no defense can be made. It simply is legalized stealing, that's all. The growing impatience, the hotter and hotter wrath of the public over the dishonesty and dishonest practices of trusted servants, is the most hopeful sign of the times. How can we teach young men and young women the forceful truths of honesty and virtue when our highest public institution, the very arbiter of right and wrong in public and private life, proves unmistakably that it is corrupt? By all means let's do something to clean our badly gummed up legal machinery.

Principal roads are put on a standardized basis and built and cared for more economically than under any other method. Instead of wide roads in one county and narrow roads in the next, paved highways in the rich counties and no roads at all in some others, the business of road making in the state is systematized and the whole state is bettered. Materials are bought more cheaply and laid more economically on the larger scale, and the cost of upkeep is reduced in a startling degree. California found this true in a number of ways.

In Glenn county, to take a definite instance, a main road leading into Willocks, the county seat, called for large expenditures annually and special funds were raised at one time to take care of it. These were used and in another year's time the road was about as bad as ever. It was declared a state highway and the county was relieved of its maintenance. During the coming winter it will not be impassable, but will be as smooth and firm as a city street. At the same time the county officials will have the large sums of money heretofore demanded by that stretch of road to expend on county roads elsewhere, and they are already improving other roads that had been neglected because of the expense of this particular piece.

South of San Francisco where only a few main roads have been improved it was a common sight last winter to see farmers using four horses to haul a light load over the unimproved roads until the state highway was reached. There the load would be placed at the roadside and the four horses would pull the wagon back to the ranch for another load. When three to five such trips had

A Short Course at Hays

The farmers' and housekeepers' short courses at the Fort Hays Normal school began November 29, and they will last until December 18. Governor Capper and J. C. Mohler, secretary of the state board of agriculture, were present on the opening day, and delivered addresses. The aim in this work is to feature the practical end of farming in that section. The big Fort Hays Experiment station, which is near the normal school, supplies an excellent laboratory for the work.

Instrumental Accompaniment

A charming young singer called Hannah Got into a flood in Montana. As she floated away, Her sister, they say, Accompanied her on the piano. —Penn. State Froth.

Horizontal Engine

Run on Kerosene—6c for 10 Hours

Ellis Engines develop more power on cheap lamp oil than other engines do on high-priced gasoline. Will also operate successfully on distillate, petrol, alcohol or gasoline. Strongest, simplest, most powerful engines made; only three working parts. No cranking, no excessive weight, no carbonizing, less vibration, easy to operate.

ELLIS ENGINES

Vertical Engine

Have patent throttle, giving three engines in one; force-feed oiler; automobile type muffler; ball-bearing governor adjustable while running and other exclusive features. Every engine sent on 30 days' approval with freight paid. 10-year guarantee. Write for 1916 catalog, "Engine Facts," showing New Models with special prices.

ELLIS ENGINE CO., 2811 East Grand Boulevard, Detroit, Mich.

Don't Feed Your Crops Into Idle Extra Horses This Winter

AVERY

Get ALL the Facts About Tractor Farming With an Avery Outfit

More acres are plowed each year by Avery Tractors and Plows than by any other make. They are long lived and run with little expense. Built in sizes to fit any size farm. Sold at low cash prices; 3 Plow Tractor \$798; 4 Plow Tractor \$1120; 5 Plow Tractor \$1690; 6 Plow Tractor \$2140; 8-10 Plow Tractor \$2615.

Built and backed by a company owning their own large factory and having many branch houses, which insure prompt and permanent service.

Write now for complete Avery Tractor and Plow catalog and get all the facts about the expense you can save and the bigger crops you can raise by Tractor Farming with an Avery Outfit. Also ask for free Avery "Yellow Fellow" Separator catalog if you are interested in threshing machinery.

AVERY CO., 1015 Iowa St., Peoria, Ill.

"One Man" Outfits. 7 Sizes. Fit Any Farm.

5,135 Petitions Against Armament

Have been received by the Farmers Mail and Breeze as follows:

Previously acknowledged.	1,643
Tuesday, Nov. 23.	284
Wednesday, Nov. 24.	323
Thursday, Nov. 25.	335
Friday, Nov. 26.	457
Saturday, Nov. 27.	486
Monday, Nov. 28.	421
Tuesday, Nov. 30.	225
Wednesday, Dec. 2.	540
Thursday, Dec. 3.	401

Total up to Dec. 3. 5,135

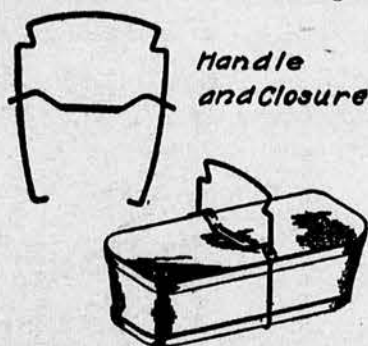
Newfangled Notions for 1916

Recent Inventions of More or Less Interest to Agriculture

BY C. J. LYNDEN

(Copyright, 1915.)

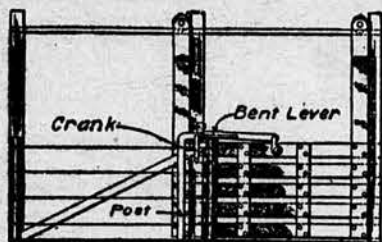
THE WIRE carrier or bail of this device is made of a single piece of wire in the form of an inverted U and has its lower ends bent in to engage the bottom of the basket. Near the top, the wire is bent in and out to form shoulders which prevent the metal strip or closure from pinching the fingers. The middle of the closure is flat but both ends are bowed and bent down to engage the sides of the cover. When it is desired to place the carrier on the basket, the closure is raised to the shoulders, the ends of the carrier are forced outward and sprung under the basket, and then the closure ends are forced down against



the cover. The edges of the holes in the closure grip the wire bail and hold the cover on securely.

Sliding Gate.

When a person, in a vehicle or on horseback, desires to open this gate he turns one of the cranks; this slides the gate open. After passing through, he closes the gate by turning the other crank. The gate is supported on grooved wheels which travel on an overhead rail. The operating device is a steel shaft which has a crank at each end and a bent lever or double crank in the middle. This shaft is at right angles to the gate

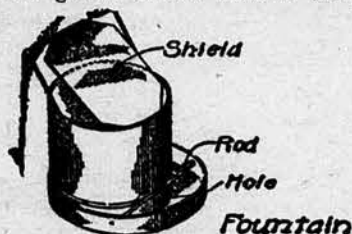


Sliding Gate

and is supported on posts. We indicate one of the posts in the figure; it appears in the drawing to be near the gate but it is in reality about one horse's length away from it. Turning a crank moves the bent lever; this moves a straight lever; and this in turn moves the gate.

Poultry Drinking Fountains.

The advantage claimed for this fountain is that it can be made almost entirely of sheet metal and can therefore be made very cheaply. It consists of the usual parts, a reservoir and a pan. A groove which extends around the lower end of the reservoir engages a similar groove in the back of the pan

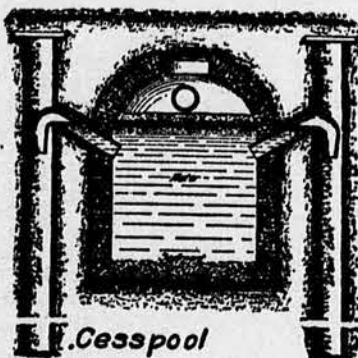


and also a rod at the front. This supports the pan. A small hole, near the lower end of the reservoir, admits air and allows the water to rise in the pan to this height. The metal shield above the reservoir prevents the fowls from roosting on the reservoir and from fouling the water in pan.

Cesspool.

The new feature of this cesspool is the method used to carry off the water. It is discharged into drain bores which are simply deep holes drilled down to a gravelly or sandy layer of soil. The cesspool is made of brick, or like material, arched over and is provided with a

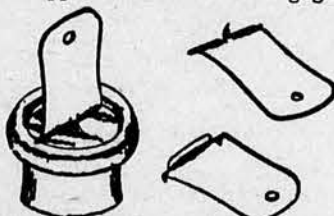
man-hole covered by about 2 feet of earth. It is connected with the drain bores by goose neck pipes which are so



placed that the water drops down the center of the bore and thus does not cause the sides to cave in. It is claimed that the cesspool acts as a septic tank in that the sewage separates into three layers, sediment, water, and a greasy scum. The bores carry off the water only.

Cap Remover.

This device is made of sheet metal and is used to remove the pasteboard caps from milk bottles. Part of the lower end is bent in one direction to form a fulcrum; a small pointed part is bent in the opposite direction to engage the

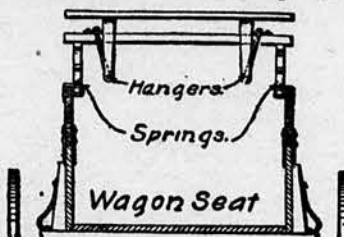


Cap Remover.

cap. The modified form, shown in the lower part of the figure, has two points at the sides and the central part bent in the opposite direction to form the fulcrum. It is claimed that these cap-removers lift the cap without material injury and that they can be made very cheaply.

Wagon Seat.

It is claimed that with this seat the sidewise movement of the wagon body is not transmitted to the driver. The seat is supported by hangers which in turn are supported by two transverse bars. These bars rest on two elliptical wagon seat springs of the usual type. It is stated that the weight of the driver and of the seat tends to keep the seat



steady, and that the side lash or sidewise movement of the bars is absorbed by the hangers.

A Small Pipe

I lead the water through a 3/4 inch pipe from a spring into a tank. I have a 1/2 inch pipe laid from this pipe into another tank 450 feet away, but the water only flows about half of what the spring can supply. The pipe is not laid on an even grade—in crossing a creek it is about 10 feet below the level of the tanks. What is the matter? C. A. BARG.

Prairie View, Kan.

The trouble is due to the fact that the pipe is too small, and also to the fact that it goes too low in crossing the creek. A. A. Potter.

Manhattan, Kan.

A Tall Story

Pat had gone back home to Ireland and was telling about New York. "Have they such tall buildings in America as they say, Pat?" asked the parish priest. "Tall buildings ye ask, sur?" replied Pat. "Faith, sur, the last one I worked on we had to lay on our stomachs to let the moon pass."

THE SANDUSKY TRACTOR

"THE LITTLE FELLOW WITH THE BIG PULL"

15 Draw Bar H. P.—35 Belt H. P.

The Sandusky Tractor is making good on hundreds of farms—large and small. It is built by men who have spent years doing this one thing and doing it well. That's one reason why you can depend upon it.

This tractor has proved its ability to clear, break, plow, disc, harrow, drill, harvest, thresh, cut ensilage, haul, build roads, etc., more economically than it can otherwise be done.

Sold subject to three day trial, demonstrating on your own work its ability to fulfill

OUR GUARANTEE

We guarantee The Sandusky Tractor to handle four 14-inch mold board plows 8 inches deep where a big team can pull a 12-inch plow 6 inches deep; to run belt machinery up to 32-inch separator; to have one-third reserve over drawbar rating, and for one year against defective workmanship and material.

Equipped with our own four cylinder, four cycle, 5 x 6 1/2 heavy duty, slow speed, vertical motor; 2 1/2 inch crankshaft; 31 inches of motor bearing surface; all four bolt bearings; positive self-contained combination force feed and splash oiling systems. Motor set crosswise to frame eliminating objectionable bevel gear drive; removable underpan permitting taking up or replacing bearings, connecting rod, rings or entire piston without disturbing any other part of tractor. Three speed selective transmission, 2 to 5 1/2 miles per hour with direct drive on low; three point spring suspension; all steel construction; light weight; small overall dimensions and short turning brakes; easily handled; surplus cooling capacity.

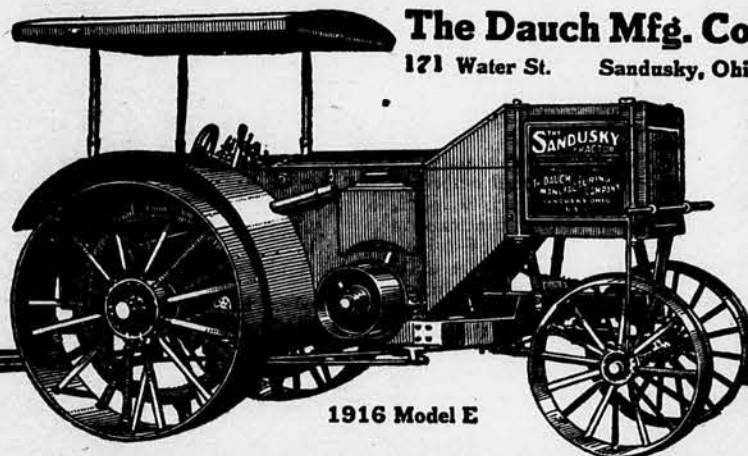
The Sandusky Tractor, its motor, and transmission were each awarded the Gold Medal at the Panama-California Exposition. Also highest award Silver Medal at Society for Improvement of Agriculture Exposition, Lancashire, England.

Book "Power on the Farm" Free

Write for a copy of the new 40-page edition covering the latest refined 1916 Model E, its uses, and containing other valuable information. Tell us fully about your power problems and we'll gladly help you solve them without obligating you in any way.

The Dauch Mfg. Co.

171 Water St. Sandusky, Ohio



The Wheat Yield Tells the Story

of Western Canada's Rapid Progress

The heavy crops in Western Canada have caused new records to be made in the handling of grains by railroads. For while the movement of these heavy shipments has been wonderfully rapid, the resources of the different roads, despite enlarged equipments and increased facilities, have been strained as never before, and previous records have thus been broken in all directions. The largest Canadian wheat shipments through New York ever known are reported for the period up to October 15th, upwards of four and a quarter million bushels being exported in less than six weeks, and this was but the overflow of shipments to Montreal, through which point shipments were much larger than to New York.

Yields as high as 60 bushels of wheat per acre are reported from all parts of the country; while yields of 45 bushels per acre are common.

Thousands of American farmers have taken part in this wonderful production. Land prices are still low and free homestead lands are easily secured in good localities, convenient to churches, schools, markets, railways, etc.

There is no war tax on land and no conscription.

Write for illustrated pamphlet, reduced railroad rates and other information to

GEO. A. COOK
2012 Main St., Kansas City, Mo.
Canadian Government Agent.

Forkner Alfalfa Cultivator

Stirs and aerates the soil—uproots grass and weeds—destroys clover root weevil—leaves dirt mulch and conserves moisture without cutting or injuring the alfalfa. It will



Put New Life and Vigor

into old meadows, pastures and hide-bound wheat fields. Write for catalog and free book "Modern Soil Tillage."

LIGHT DRAFT HARROW CO.
Dept. 407, Marshalltown, Iowa

And Speaking of Christmas:

Many Pleasing Gifts May Be Made at Home

BY GRACE UTT



HAVE you made all your Christmas gifts? ... Mighty fortunate you are to be ready so long before hand. ... Oh, you are not? Beg pardon.

Well, maybe a few suggestions would not be unwelcome. They may not be new, but here's hoping they are new to you.

You'll think my first two plans are meant to be salt cellars and submarines, sure enough, but they are not. Merely intended to give you some ideas for milady's dresser. The first is a tray. For this you will need one oval embroidery hoop, 5 or 6 yards of plain ribbon 1/2 inch wide, some wide figured ribbon, some pasteboard and two rings (ivory, or brass covered with crochet) for handles. Of course you will want to make two trays at the same time, since you must buy two of the hoops.

To make, first cut two pieces of pasteboard, firm but not thick, the exact size of the hole inside the embroidery hoop. Cover one side of each piece with the flowered silk, then sew the two pieces back to back, just as you used to sew the velvet pincushions for grandfather's waistcoat pocket. Wrap the hoop, barber pole fashion, with the narrow ribbon. Fit the bottom in carefully, and sew to the under side of hoop. Fasten a ring at each end. This tray can be made in colors to harmonize with any wall or drapery scheme. It is beautiful in yellow.

A cover for the talcum can may be made of ribbon and very small embroidery hoops. The ribbon must be stiff, so it will stand up when the can is taken out. Take 15 inches of 5-inch ribbon, and make a hem along one side, with the larger of the two hoops inside the hem. This hoop is to be at the top. Gather the ribbon along the other edge. For the bottom cover a circle of pasteboard the same size as the hoop, then sew the gathered ribbon to the edge.

Use the smaller of the two hoops in making a lid. If this hoop is 3 inches in diameter you will need a strip of ribbon, the same as that used for the sides, 9 1/2 by 2 1/2 inches. Turn a hem along one side, with the hoop inside the hem. Gather along the opposite side, draw together, and fasten on a ring for a handle. The two embroidery hoops will fit together, forming a perfect cover.

It's Perfectly Harmless.

Another convenient thing every woman appreciates would look in a picture like a loaded bomb; but it is most harmless—a pint mason jar with a silk cover over it. Inside is your crochet ball, with a thread hanging out. You start it by making a stiff bottom, as for the cover of talcum can, cutting the pasteboard the size of the bottom of jar. Sew one edge of the ribbon to this. Make a hem on the other edge and run a draw string through. After this silk cover has been slipped over the jar and the ball dropped in the draw string is drawn up and tied, allowing only the single thread to be in sight. This saves the ball from rolling over the floor and getting soiled when one is working. The best thing about making it is that you can measure on your own jar, and then just mail the cover. Every woman has a mason jar.

A pretty collar to wear on coats and dresses, is made of sheerest organdie with edge of tatting, and a tatted design appliqued on. Some of the clover leaf designs, or combinations of wheels, are pretty for this. The idea is rather new, and the effect is good.

Have you ever wanted a great big cork, or a middling sized cork, or even a teeny, tiny cork, and found to your grief there was "never a cork in the house?" Some time when you are in the drug store buy an assortment, all sizes; then at Christmas time fill a

pretty box with a few dozen, and give them to some housekeeping friend. The chances are that she will be more pleased than if you had given her a gilt edged copy of the Rubaiyat, or her 39th guest towel.

For the little girl who loves her doll, nothing is better than a miniature toilet case, well filled. Make the case itself of whatever material you please, and put plenty of pockets in it. Notice which manufacturers of toilet goods offer samples. In this way you can easily secure tiny powder cans, tubes of tooth paste and cold cream, and bars of soap. Make small wash cloths and towels, marking them with dollie's initial. Doll hair brushes and combs can be bought now, and other things will suggest themselves to you as you consider the needs of a respectable doll.

You may have a friend who lives away off somewhere, far from alluring shop windows and inspirations. But though she may be thus shut out, the guess is that she makes pretty things for her friends just the same. Have you ever thought how much she might care for a really different gift? Suppose that about December 10 you should mail her a package containing sheets and sheets of white tissue paper, red ribbon, green ribbon, gold cord, seals, markers, white wrapping paper, red string, and anything else under the sun that makes a dainty gift twice dainty. Wouldn't she bless you for anticipating her needs?

How About Shopping?

BY MARY CATHERINE WILLIAMS.

Are you going to have a "Spug" Christmas? I am, and you've no idea what a comfortable, satisfied feeling the new plan gives. Of course you've heard of the "Spugs"—the Society for the Prevention of Useless Giving—you know. Their idea is not to stop giving altogether but to follow a sort of Christmas Golden Rule that says, "Give to your friends something you wouldn't mind having yourself."

I haven't time to make really worth while presents so my Santa's pack will be filled altogether from the stores, and I'm finding such delightful things as I shop that maybe you would like for me to tell you about them. For 10 or 15 cents apiece you can get the daintiest sort of little sachets filled with fragrant lavender leaves. Two or three of these will be just the thing for the girl who is starting her hope chest or for some housekeeper friend to put in the box where she keeps her company sheets and pillow cases. For 25 cents there are pretty little paper bound booklets for shopping lists, grocery lists to hang in the kitchen, telephone calls, or laundry lists. Thirty-five cents will buy a tatting shuttle of abalone shell that will delight the heart of the friend who loves tatting. Still more ornamental shuttles are made of silver and cost from 75 cents to \$1. For the girl who has a dresser set of white ivory you can find many attractive novelties such as perfume bottles, boxes for talcum powder, pin trays, and picture frames ranging from 50 cents to \$1 in price.

If you have a friend who travels there is a pleasing variety of little conveniences from which to choose a present. A small leather case holding three glass bottles for medicine costs only 50 cents, and a leather case holding a tablet of writing paper and a pencil may be had for the same price. Similar cases of better quality cost from \$1 to \$1.50. A leather cover into which one can slip a book she wishes to read on the train has handles to make carrying easy and costs from 75 cents to \$1.50. Drinking cups and glasses in leather cases may be had at similar prices. In less expensive gifts you can find gayly decorated

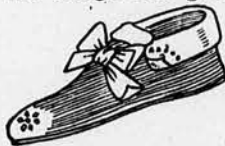
paper boxes containing half a dozen paper towels, or two paper bags to protect one's best hat from soot and cinders on the train. Several houses that manufacture toilet goods are putting out dainty and convenient gift boxes any woman would be proud to tuck into her bag when she goes a-visiting. One such box costing 25 cents contains a sample size can of talcum powder, tooth paste, cold cream and a tiny bar of good soap.

Vacuum bottles for keeping liquids hot or cold may be had in various sizes and prices and make ideal gifts for friends who drive long distances in motor cars. They will be appreciated also by housekeepers who will be certain to find many uses for them. Even the man of the family would be glad of one to carry filled with hot coffee to the field with him on some cold day, or to fill with a cold drink in hot weather. Small electric flash-lights make a good gift for men, women or children. They are easier to carry and much safer than a lamp or lantern when one must make a trip to the dark cellar or hunt for something in a black closet.

There never was a woman yet who didn't like silk hosiery. The stores now are showing a new weave of hose like the weave of silk gloves instead of the ordinary stocking stitch. It is said these will not "railroad" clear down to the toe when a stitch is broken at the top as the old kind were sure to do. They come at \$1.50 a pair. I'm going to give handkerchiefs this Christmas, too. There are many pretty new styles shown this year. Some have colored borders or colored initials, and others are made of crepe de chine in delicate shades. Handkerchiefs may not show much originality on the part of the giver, but most persons are glad to get them and they are about as "spug" a gift as any you can find.

Crocheted Slippers

Bedroom slippers crocheted of soft yarn and sewed to soles lined with cotton wool are both pretty and useful. The design here given would be pretty



made of pink yarn with white trimmings, or of blue and gray, or red and black. In the directions "A" indicates the principal color and "B" the trimming color. Always catch hook into the whole chain. Begin with B. Chain (ch) 8, skip 1, then put 7 single crochets (sc) into the chain just made, ch 1, and 7 sc into the other side of the first chain. Turn. 2nd row—Ch 1, 7 sc, one into each stitch of preceding row, 3 sc into center, 7 sc down the other side, turn. 3rd row—Ch 1, 8 sc, 3 sc into center, 8 sc into other side, turn. 4th row—Ch 1, 9 sc, 3 sc into center and 9 sc into other side, turn. 5th row—Ch 1, then 1 sc into every sc all around, turn. 6th row—Ch 1, 10 sc, 3 sc into center, 10 sc down other side, turn. 7th row—Ch 1, 1 sc into every stitch all around.

Continue repeating 6th and 7th rows until you have 19 rows of B and 31 rows of A, adding one stitch to each side of the alternate rows. This forms the front of the slipper. Continue with 22 sc, beginning with the outer edge and working 1 into every sc of the preceding row. Work back and forth in this way until 84 rows are made on each side of the slipper. Join the two rows, fasten the thread securely and cut it.

For the turn-over, fasten B thread to top row at center-back and chain 18. Skip 1, take 17 sc into the chain just made and fasten into A. Turn and work back, making 17 sc, one into each sc of preceding row. Continue working back and forth until you have made 84 rows on each side of the slipper, starting from center-back.

On front of slipper, where turn-over starts, make 1 sc of A, then 1 sc into every stitch up to center, 3 sc in center, and 1 sc into every stitch on other side, 1 slip stitch into 1st sc of B, turn.

Next row—Make 1 sc into every stitch all across, 1 slip stitch into first sc of B, turn. Repeat for 7 rows. When connecting into B at side always have 3 rows into one stitch. A rose design may be put on each toe in lazy daisy stitch. This makes a slipper corresponding in size to a No. 3 shoe.

Clifton, Colo. Mrs. Irene George.

As the windows go down, the sickness and death rate goes up.

LYON & HEALY

29-30 E. Adams St., Chicago

Send me your Catalog of Band Instruments.

Name.....

Address.....

I am interested in.....

The American Professional Cornet

looks and plays like a \$50.00 instrument but it costs only \$30.00.

Send for Catalog

and tell us what instrument you are interested in.

"Your American Professional plays very easy, it is the best I have ever tried." (Signed) J. D. WILSON.

LYON & HEALY, Chicago.



New Styles-1916 Prices-Mail Postal



for Kalamazoo 1916 stove and range catalog—get wholesale prices—cash or easy payments—30 days trial—year's test. We pay freight and ship within 24 hours. Write today for Catalog No. 341 for Kalamazoo Stove Co., Inc., Kalamazoo, Mich. Stoves, ranges, gas stoves, furnaces, metal kitchen cabinets and tables. 4 styles which you want.

300,000 families using Kalamazoo Stoves, Ranges, Gas Stoves, Furnaces Metal Kitchen Cabinets and Tables

A Kalamazoo Direct to You

FARM-WEAR SHOES for FARM WEAR

"BETTER LOOKS AND MORE MILEAGE"

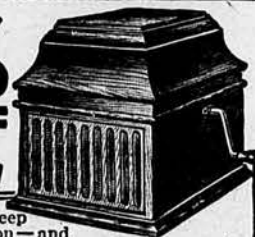
Question: "What rots shoe leather?" Answer: "Uric Acid." Q: "What causes Uric Acid?" A: "Sweaty feet and barnyard service." But Uric Acid can't harm Farm-Wear Shoes because the leather is double tanned. This makes the shoes wear twice as long as ordinary shoes. Also Farm-Wear Shoes are made especially for farm service. They are better looking and better fitting than other work shoes. Farm-Wear Shoes for men and boys, 6 in., 8 in., 12 in. and 16 in. high, will settle your shoe problem for all time.



Write and learn where you can see and try on a pair. NUNN & BUSH SHOE CO., Dept. 21 Milwaukee, Wis.



Only \$1.00 After Trial



Yes, you may keep this new Edison—and your choice of records too, for only a single dollar. Pay the balance at rate of only a few cents a day. Free Trial Try the new Edison in your own home before you decide to buy. Have all the newest entertainments. Entertain your friends. We will send it to you without a penny down. Write Today For Our New Edison Book. Send your name and address for our new book and pictures of new Edison phonographs. No obligations. F. K. BABSON, Edison Phonograph Distributors 9589 Edison Block, Chicago, Illinois

HOME DRESSMAKING

These patterns may be had at 10 cents each from the Farmers Mail and Breeze.

Waist 7530 closes at the back and has long or short sleeves. The pattern is cut in sizes 34 to 42 inches bust measure.

Skirt 7296 has three gores and comes in sizes 22 to 36 inches waist measure.

Girls' dress 7497 is cut in sizes 6, 8, 10 and 12 years.



Child's dress 7498 is cut in sizes 2, 4, 6 and 8 years.

Dress 7494 is cut in sizes 34 to 42 inches bust measure. It closes in front and has a five-gored skirt.

USE THIS COUPON FOR PATTERN ORDERS.

The Farmers Mail and Breeze, Pattern Department,
Topeka, Kan.
Dear Sir—Enclosed find.....cents, for which send me the following patterns:

Pattern No..... Size.....
Pattern No..... Size.....
Pattern No..... Size.....

Name

Postoffice

State

R. F. D. or St. No.....

BE SURE TO GIVE NUMBER AND SIZE.

Baby's Cap in Filet Crochet

Will you please publish in the Farmers Mail and Breeze full instructions for crocheting a silk hood for baby 18 months old?—A. E. A., Burlington, Colo.

A very beautiful hood may be made in filet, which is a new and popular form of crochet. Filet crochet is all blocks and spaces. To make a space (sp.) make ch 2, skip 2 chs, and make 1 d. c. in the 3d st. A block (blk.) consists of 4 d. c.; two blocks, 7 d. c.; three blocks, 10 d. c. In other words, a block is made by working 2 d. c. instead of each ch. 2 which would be used in forming a space. In working a sp. over a blk. make 1 d. c. on first d. c., ch. 2, skip 2 d. c., 1 d. c. on the last d. c. in the blk.

1st row—Make 1 d. c. in 9th st. of ch. to form 1st space. Make 28 more sps. Ch. 6 should be made at the end of each row, although this direction will not be given again. Turn.

2d row—1 d. c. on second d. c. of previous row to form 1st sp., 28 more sps. Next 5 rows the same.

8th row—13 sps., 3 blks., 13 sps.
9th row—9 sps., 2 blks., 1 sp., 1 blk., 1 sp., 1 blk., 1 sp., 2 blks., 9 sps.

10th row—7 sps., 4 blks., 1 sp., 2 blks., 1 sp., 2 blks., 1 sp., 3 blks., 8 sps.

11th row—7 sps., 2 blks., 3 sps., 1 blk., 1 sp., 1 blk., 1 sp., 2 sps., 2 blks., 8 sps.

12th row—6 sps., 3 blks., 3 sps., 1 blk., 1 sp., 1 blk., 1 sp., 2 sps., 2 blks., 8 sps.

13th row—6 sps., 2 blks., 2 sps., 2 blks., 1 sp., 3 blks., 1 sp., 1 blk., 1 sp., 1 blk., 5 sps.

14th row—5 sps., 2 blks., 3 sps., 3 blks., 4 sps., 3 blks., 2 sps., 2 blks., 5 sps.

15th row—4 sps., 2 blks., 1 sp., 1 blk., 1 sp., 1 blk., 9 sps., 2 blks., 1 sp., 3 blks., 4 sps.

16th row—4 sps., 2 blks., 1 sp., 2 blks., 11 sps., 2 blks., 4 sps.

17th row—7 sps., 2 blks., 11 sps., 2 blks., 7 sps.

18th row—4 sps., 3 blks., 15 sps., 3 blks., 4 sps.

19th row—3 sps., 1 blk., 1 sp., 1 blk., 1 sp., 1 blk., 13 sps., 1 blk., 1 sp., 1 blk., 1 sp., 1 blk., 3 sps.

20th row—3 sps., 2 blks., 1 sp., 2 blks., 13 sps., 2 blks., 1 sp., 2 blks., 3 sps.

21st row—Same as 19th row; 22d same as 18th row; 23d same as 17th row; and so on just reversing the order of the rows, until the last row is the same as the 8th, and the wreath design complete.

Next make 3 rows of 29 sps. each, then make ch 96 sts and break thread. Add ch 96 to the other side also, to form foundation for headpiece of cap. On this make 3 rows of 89 sps. each.

4th row—14 sps., 3 blks., 26 sps., 3 blks., 26 sps., 3 blks., 14 sps.

5th row—10 sps., *2 blks., 1 sp., 1 blk., 1 sp., 1 blk., 1 sp., 1 blk., 1 sp., 2 blks., 18 sps.*

Repeat from star to star, making each wreath the same, with 18 sps. between the wreaths and 10 sps. to finish the row. After completing the three designs, make 5 rows all of sps., then make a row of 10 roses across the front in this way:

Begin with 7 sps., 3 blks., 5 sps. Repeat, ending with 7 sps.

2d row—6 sps., *1 blk., 1 sp., 1 blk., 1 sp., 1 blk., 3 sps. Repeat from star for each rose, ending with 6 sps.

3d row—6 sps., *2 blks., 1 sp., 2 blks., 3 sps. Repeat from *.

4th row—Same as 2d, 5th row same as 1st. Add 2 rows all of sps. and break the thread. Then make 2 rows of 29 sps. across the top of the front. Join the crown to the sides with single crochet, then add a beading of treble crochet all around the cap and on this work the edging of 4 d. c., skip 2 sts, 4 d. c., skip 2 sts, and so on around. Second round—4 d. c. on 4 d. c., 4 d. c. between the two inside d. c. of next group. Make 2 more rows in the same way, then edge with ch 3 all around and join. Next 5 s. c. under 1st ch, *3 s. c. under 2d ch, ch 3, turn. Fasten in third s. c. of first loop, turn; and 5 s. c. under this ch 3, 3 s. c. in unfinished loop, 5 s. c. in next and repeat from *. This little edge may also be worked on the joining of the front and crown if desired.

Strings crocheted to match and full ribbon rosettes make a very pretty finish for this dainty cap.

Strings crocheted to match and full ribbon rosettes make a very pretty finish for this dainty cap.

Strings crocheted to match and full ribbon rosettes make a very pretty finish for this dainty cap.

Strings crocheted to match and full ribbon rosettes make a very pretty finish for this dainty cap.

Strings crocheted to match and full ribbon rosettes make a very pretty finish for this dainty cap.

Strings crocheted to match and full ribbon rosettes make a very pretty finish for this dainty cap.

Strings crocheted to match and full ribbon rosettes make a very pretty finish for this dainty cap.

Save a Little

Christmas time's a-comin' an' you better git in line;

Look a bit more cheery as you give the countersign;

Make your handclasp warmer an' your smile a bit more bright—

When you celebrate on Christmas don't you want to do it right?

Jes' go in to make things lively until everybody's glad;

Jes' go in and scatter sunshine; don't be gloomy like an' sad.

Make everybody happy—Jes' as happy as can be—

But don't hang all your presents on the Christmas tree!

Save a little cheerfulness to scatter through the year;

Save a few kind words to say, such as dry the tear;

Save kind deeds to do when chance comes by an' by—

You can use a little Christmas if you have it next July!

Jes' show your friends you love 'em by the thoughtful gifts you give;

Let the warmth of your sincerity touch all with whom you live;

Till the grown folks chatter childlike in their pleasure and their glee;

But don't hang all your presents on the Christmas tree!

Save a few small tokens of the happy Christmas tide;

Wrap them up in evergreen an' put them all one side.

You can use them later, an' they'll bring a thrill of cheer

To some heart that mourns in anguish that the world is cold and drear.

Jes' try this plan one Christmas, an' you'll find more good is done

By savin' cheer to scatter on the course the year must run.

Than by celebratin' Christmas without thoughts of days to be,

An' by hangin' all your presents on the Christmas tree!

—By Louise E. Thayer.

Give Something Useful

Six black cheesecloth dusters and six white cheesecloth dusters would be a welcome Christmas gift for any housewife, as would also cotton flannel broom covers made double at the broad end and shaped to fit the broom. Make a hem or casing at the top through which to run tape to draw up the bag and hold it in place. Mrs. Lucy Lee, Cambridge, Mass.

Give a man all the praise you think him entitled to, and even then he may go off by himself and chuckle.

Solid Aluminum Griddle —Full 10½-inch Size

**LABELS
FROM 50 CENTS**

WORTH OF KARO WILL

SAVE YOU \$1.40 IN CASH



Regular Retail
Price \$2.25

\$2.25 Aluminum Griddle Offered For Only 85 Cents And Labels From 50 Cents Worth of Karo

GET 50 cents worth of Karo from your grocer and send labels from the cans to us with 85 cents and we will send you this \$2.25 Aluminum Griddle by prepaid parcel post—a clear saving of \$1.40.

Thousands of housewives all over this country have already taken advantage of this offer—for you may be sure that the women of this country know a real bargain when they see one.

At great expense we are seeking to place a Karo Aluminum Griddle in the homes of all Karo users, so that Karo—the famous spread for griddle cakes and waffles—may be served on the most deliciously baked cakes that can be made.

So if this money-saving opportunity appeals to you and if you want your family to use Karo, the most popular syrup for griddle cakes—then get 50 cents worth of Karo from your grocer and send us the labels and 85 cents. You'll get the Aluminum Griddle by prepaid parcel post.

Remember—this Solid Aluminum Griddle needs no greasing. It doesn't smoke up the kitchen. It can't rust; it is clean; and cakes baked on this griddle are more digestible than when fried in the old way.

If you haven't sent for your griddle already, get 50 cents worth of Karo from your grocer today, and send us the labels and 85 cents (P. O. money order or stamps) as quickly as possible so as to be sure of getting yours.

We will also send you free a copy of the famous Corn Products Cook Book. Put your order in as early as possible—for the griddles are going fast.



CORN PRODUCTS REFINING CO.
P. O. Box 161 New York Dept. 115

Easier Kitchen Work

Your strength and energy are far too precious to be wasted upon tasks that a comparatively inexpensive Klemp Cabinet would make easier. The Klemp Cabinet is a neat, untiring automatic helpmate in the kitchen. It is generous in size and capacity and conveniently arranged.

Klemp Kitchen Cabinet

The Helpmate Every Housewife Needs.

It has more than a score of features, one of the most important being sliding or disappearing doors, enclosing space above the aluminum covered work table. The doors roll easily, and to open or close them it is not necessary to remove a thing from the table. Some other features are, large drawers and shelves, glass jars for sugar, spices, coffee and tea, wide sliding cutting board, 50 pound flour bin. The Klemp Cabinet is sold through dealers everywhere. Write us today for complete description and prices.

H. W. KLEMP FURNITURE CO.

700 Cherokee Street,

Leavenworth, Kansas.



FILL IT ONLY ONCE A WEEK— CLEAN IT ONLY ONCE A YEAR.

Here's the simplest, cleanest and most easily operated Lamp of them all—the Coleman Air-O-Lite. Gives you less trouble, requires less care than any other. No wicks to trim. No chimneys to clean. No greasy oil lamps to fill. No batteries or engines to fuss with. No smoke, no soot, no odor. Nothing to clog up or get out of order.

THE COLEMAN AIR-O-LITE

is a beautifully shaped and finished portable lamp that furnishes bright and cheerful, yet mellow and eye-resting light at only one-tenth the cost of kerosene lighting. Will give you 300 candle power (the equal of 20 oil lamps) at a cost of only one-third of a cent per hour.

GUARANTEED FOR FIVE YEARS

Perfectly safe. No danger even if tipped over. Burns dry without exploding. Built of heavily nickel-plated brass. Awarded Gold Medal at San Francisco. Ask your dealer—or, if not on sale in your town yet, write us for illustrated catalog of 20 different styles of gas-line lamps and lanterns. Dealers or agents wanted in every locality. Write nearest address of

THE COLEMAN LAMP COMPANY

221 1/2 Francis, Wichita, Kansas

1011 Summit, Toledo, Ohio

50 South Clinton, Chicago, Illinois.

282 East Sixth, St. Paul, Minn.

418 Akard, Dallas, Texas.

"The Brightest and Softest Light"

THE man who had tried gas and electricity wrote that after an evening under an Angle Lamp. The clearest, strongest, unshadowed light ever known at the lowest cost. No smoke, odor or danger. 16 hours of perfect light on one quart of ordinary kerosene oil. Get the story of Angle Lamps and our 30 days' test offer by writing at once for Catalog No. J. A post card will bring it.

THE ANGLE MANUFACTURING CO.
244-246 West 23d St., New York City

ANGLE LAMPS



Good Gifts For Small Hands

Little Folks Can Make Decorations for the Christmas Tree

BY LULU CASE

CHRISTMAS is drawing so near that I suspect you little folks are wondering just what you are going to give mamma, Sister Sue, Aunt Kate, and little baby sister. Let me tell you a few things that I know how to make. How would baby sister like a variety doll? Turn dolly one way and you have a cunning little pickaninny, with red dress and green cap; the other way you turn her you will have a beautifully dressed white dolly. I can just see baby throw up her hands with delight, can't you? Well, if you know how to use a needle and thread you can make her happy. Take a piece of black cloth for the pickaninny, about 12 inches long and 6 inches wide, fold once crosswise and cut it the shape of the head and body of a doll. Sew up and stuff with cotton or sawdust. Then sew up two narrow strips of the cloth for the arms, stuff and sew to body. Small buttons are used for the doll's eyes.

Make the other doll the same as the pickaninny, using white cloth instead of black. The eyes may be painted black or blue. Now sew these two dolls together at the waist. The dress for the first doll should be made of red calico, with a green cap wrapped about her head. The skirt of the dress must be made long enough to cover the head of the second doll. The dress of the second doll can be made of any material on hand and make the skirt the same length of the first doll skirt. Make a white cap for her, by taking a piece of cloth cut round; hem and gather in about one-half inch from edge, and sew on head. You now have two dolls completely dressed.

Sister Sue would like a fancy coat hanger for her new suit, which can be made in such a short time. Buy a wire hanger, the kind you can get two for 5 cents, and a yard of 6-inch flowered ribbon. The hanger must be wider at the ends than at the center. Cut the ribbon in halves and whip the edges together making two sacks. Wrap the hanger with soft, white cloth cut in strips, slip the ribbon over it and gather at the other end and fasten. Now take 3 yards of narrow ribbon and start wrapping wire from the gathered portion of the wide ribbon, making a rosette where you connect them and wrap the hook. A little sachet powder will add to the daintiness of the gift.

Mamma and auntie can't have too many wash cloths. You can crochet one if you will just ask mamma to show you how to make a chain stitch. I will tell you how to do the rest. Double crochet is done by throwing the thread over the hook once. Now pull through the loop in the crochet, throw thread over hook and pull through 2 loops, throw thread again and pull through the second 2 loops. Use common wrapping twine for your wash cloth and start with 120 stitches. Turn, double

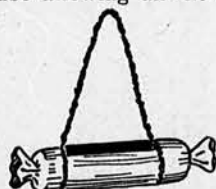


Santa's Here, Too. Repeat until the square is completed. Ten cents worth of twine will make three cloths.

Now for the Tree.

I suppose all of you are going to have a Christmas tree, for Christmas is not Christmas without one. Here are three lovely suggestions for decorations for a tree sent in by a girl who is interested

in making Christmas as merry as possible. The first is an air ship made of a small pasteboard box and a pasteboard tube, like your gas mantles come in, or if you will save the mailing tube from papa's new calendar, you will have enough for two by cutting it through the center. Use green tissue paper for the upper part of the ship and red for the lower. Cut the green paper the size of the round tube allowing an inch for lapping, and paste together with library paste or a paste made of flour and water. Draw together and tie with a piece of narrow ribbon. Cover the outside of the box with the red paper gathered in at the upper edge of the box and sewed firmly. Fringe the paper that extends above the top of the box. Tie with a ribbon or gilt cord around the stitching. Now take the narrow ribbon and fasten around the box at each end and then tie to the tube about 4 inches from the box. Line the box with white tissue paper and set a penny doll in it and fill the box and tube with candy or nuts.



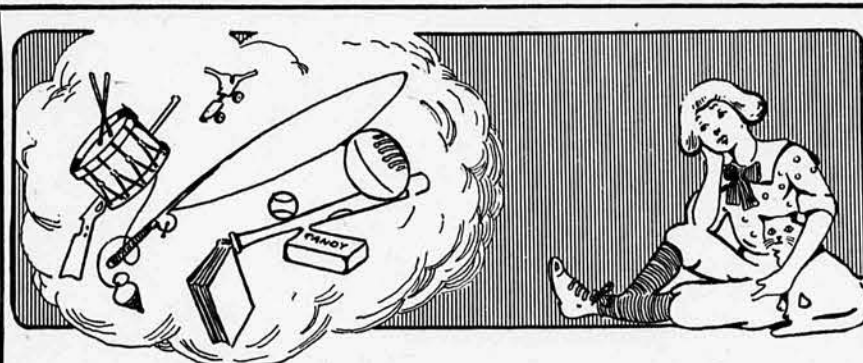
This Holds Candy.

Another pretty candy box may be made from the upper part of a match box, by pasting or sewing a bottom to it. Cut the paper 3 or 4 inches longer than the box, allowing 1 inch at the top and the rest at the bottom. Paste together and slip over the box. Fasten at the top and tie with the gilt cord. Pull the paper down over the box carefully and draw together at the center of the bottom and tie with the cord. Use a piece of the cord for the hanger. Paste a picture of Santa Claus or a Christmas picture on one side.

The third is round like the top of the air ship with an opening in top about 1 inch wide and 3 inches long. Cut the paper long enough to allow 2 inches at each end and wide enough to go around the tube loosely. Paste it together and slip over tube. Gather at the ends and tie with narrow ribbon. Cut the paper at the opening and paste down neatly. Use ribbon for the hangers. Fill with candy or nuts.

Butterflies of different colors will brighten your Christmas tree, and will be lovely to play with all during the holidays. They are made by folding a stiff piece of paper or cardboard, and cutting the upper and lower wings. Cut tissue paper the shape of the wings and paste to the cardboard; then cut crepe paper the same color as the tissue and paste on the other side. To make the butterfly bright and shiny, tack gold or silver beads on the upper part of the wings or mark with gold ink. For the body fold a strip of the crepe paper cut a little wider at end for the head, roll and tie at three different places with bright thread. If you use gold ink the thread may be colored with that. Sew two small pieces of feather at its head for feelers. If you will tack a piece of rubber to the top of the butterfly and then fasten it to a tree, it will look as if it was flying.

Butterflies of different colors will brighten your Christmas tree, and will be lovely to play with all during the holidays. They are made by folding a stiff piece of paper or cardboard, and cutting the upper and lower wings. Cut tissue paper the shape of the wings and paste to the cardboard; then cut crepe paper the same color as the tissue and paste on the other side. To make the butterfly bright and shiny, tack gold or silver beads on the upper part of the wings or mark with gold ink. For the body fold a strip of the crepe paper cut a little wider at end for the head, roll and tie at three different places with bright thread. If you use gold ink the thread may be colored with that. Sew two small pieces of feather at its head for feelers. If you will tack a piece of rubber to the top of the butterfly and then fasten it to a tree, it will look as if it was flying.



IF I AM GOOD

They tell me Santa Claus will come
With balls and bats and books,
With sleds and drums and roller skates,
With fishing lines and hooks,
If I am good.

I mustn't say an angry word,
Nor tease nor scold nor cry;
But I must do just what I'm told,
Nor ask the reason why;
If I am good.

I tell you always being good
Is not an easy thing;
But I just think of all the toys
That Santa Claus will bring
If I am good.

And so the days just crawl along,
I'm sure I wish they'd fly.
Will Santa Claus forget to come,
And surely pass me by,
If I'm not good?

—Lucy G. Whitwell.

Up in the Mountains

The way I made my money in vacation was practicing my music lessons on the piano. My mother gave me a penny an hour and I made 90 cents or more. I sold one of my dolls for 50 cents. My parents and I took a trip to Denver. I bought me another doll for a quarter and a cart for a quarter. I made dresses for my doll and crocheted a hood for it. We went to the city park in Denver and saw the wild animals and the museum. We went to Golden in a street car and went up Lookout mountain in a six-seated motor car. It was 7 miles and the scenery was beautiful. Our next trip was to Georgetown over the loop and on up Mount McClellan. It is 14,007 feet high. On the way we mailed a folder at the highest post office in the world. We went into the ice cave at the top of the mountain and it surely was pretty. Next we went to Cripple Creek. We went through nine tunnels and rode on the highest electric line in the world. Our next trip was the high drive and the Seven Falls. It was 202 steps to the top of them. We were at the Helen Hunt falls and many others and then we went to the Garden of the Gods. We had our pictures taken by the Balanced Rock. I was on a burro. Then we went to the Cave of the Winds and it was wonderful. I surely enjoyed all the trip. We had to hurry home for school began the same day we got back but I was in time.

Erma Boggs, age 11 years.
Beattie, Kan.

A Girl Who Likes Pets

I am a little crippled girl and have never been to school a day but I can draw and write a little. I have been a cripple for six years. We have a tree 25 or 50 yards from the house and in the summer when the mules are not around I get my little brother to take boxes and make a playhouse. I have a set of doll furniture and I put it in my playhouse and have a good time. My neighbor girls come to see me and they say my playhouse is better than theirs.

I have had lots of pets and now I have a pigeon that will walk into the house looking for something to eat. If we drop a crumb where he can see it he comes up and looks at us to see if we are going to drive him away and then he picks it up. I have two dolls and I can dress them and undress them. We had two dogs once. One was named Trouble and the other Danger and whenever some of us went away anywhere and the rest stayed at home one of the dogs would go with those who went away and the other would always stay at home with the ones who were left.

Katie Lyons.

R. 4, Georgetown, Tex.

Isn't This Odd?

A match has a head but no face.
A watch has a face but no head.
A river has a mouth but no tongue.
A wagon has a tongue but no mouth.
An umbrella has ribs but no trunk.
A tree has a trunk but no ribs.
A clock has hands but no arms.
The sea has arms but no hands.
A rooster has a comb but no hair.
A rabbit has hair but no comb.
Odd, isn't it?

Sloan's Liniment
"I find 'Sloan's' the surest remedy."
Cholera Frost Bites Gaper Roup
Penetrating and Healing
The \$1.00 Size contains 6 times the 25c size

LEARN TELEGRAPHY
Students earn board while learning. A practical school with railroad wires. Owned and operated by A. T. & S. F. Ry. EARN FROM \$55 to \$105 PER MONTH. Write for catalogue. Santa Fe Telegraph School, Desk G, 505 Kansas Ave., Topeka, Kan.

Needs Young Men and Women
Strickler's TOPEKA BUSINESS COLLEGE
For good positions. A good position for every graduate. We furnish employment for students to pay expenses while attending school. Send for new catalog today. 125 EAST 8TH, TOPEKA, KANSAS

FISH IN BRINE.
Split Rock Herring freshly caught and cleaned, with heads off, and packed with just enough salt to give them that dandy taste, and so they will keep in good condition until you use them. (Some people call them Baby Trout.) You can enjoy these good fish this winter, and also cut your meat bills in two. We guarantee the fish to reach you safely. 160 lb. keg gross weight FREIGHT CHARGES PREPAID TO YOUR TOWN, \$5.75. Send your order now.
SCANDIA FISH CO., Dock 5, Duluth, Minn.

10 Cents
worth of common KEROSENE
or Coal Oil will keep this lamp in operation for 60 HOURS and will produce 300 Candle Power
of the finest, whitest and most efficient light ever known. Nothing to wear out or get out of order. Absolute satisfaction guaranteed.
AGENTS MAKE \$25
per week in their spare time. You can do the same. Send for our offer while your territory is open.
KNIGHT LIGHT CO.
455 Knight Bldg., CHICAGO

Learn to Play the Piano In One Evening

If you don't play the piano or organ and want to learn, won't you let us loan you for five days 100 pieces of the world's sweetest music and full instructions for playing?

Example: When the music says "B D G," just strike the keys marked "B D G." You can't go wrong.

As Simple as "A B C"

A postal card brings it to you FREE. Would you give a penny to learn to play the piano or organ in one evening? Impossible! No, not at all. Hundreds of thousands of others who never played before, played their first piece in just a few minutes. THEN WHY CAN'T YOU?

"My boy, who could never play a note, sat down and played three pieces first night."—Mrs. E. Windover, Halls Bridge, Ont.

"I never could learn anything about music until I got 'Easy Form.' I learned to play a piece and carry the four parts in an hour."

Amanda West, Scottsboro, Ala.

On request we will send you thousands of similar letters from almost every part of the world. Doesn't this convince you that you can play by this wonderful new method?

Any child or old person can now understand and play the Piano or Organ without previous knowledge. No teacher. No tedious instructions by mail. Simply write us a post card, saying, "Please send me Easy Form Music for 5 days' free trial. If I don't want to purchase it, I will return it promptly." Be sure to answer these questions:

How many white keys on your piano or organ? Do you play note music?

We will then send you complete instructions, together with 100 of the world's most beautiful pieces of music. If you find you can play at once, send us \$1.50 in 5 days after you receive the music, and \$1.00 a month until \$6.50 in all is paid. If you are not delighted with the music, mail it to us in 5 days and owe us nothing. Isn't that fair enough?

Address—EASY METHOD MUSIC CO., 855 Clarkson Bldg., Chicago.

A Real Demand for the Furs

Kansas Boys Have an Excellent Opportunity This Winter to Sell Pelts at Good Prices

THERE is a big demand for furs this winter. Kansas trappers have an opportunity to sell the pelts for much more than average prices. Some of the buyers already are offering as much as \$5 for black skunk furs, although this is more than the average price. Short stripe skunk furs will be worth about \$3.50, narrow stripe about \$2.50 and broad stripe about \$1.50. Last year broad striped furs were worth 75 cents. Large raccoon, prime furs, will bring about \$3 this year, and large 'possum, prime, about \$1. Muskrats, which last year went begging at 15 and 20 cents, are in strong demand now at 50 cents each.

Mink, civet and wolf pelts, however, are not showing any great advance. The fashion seems not to run toward these particular varieties. The demand for them has not increased much.

High Prices.

These abnormal prices have been produced because of the fashions for this winter. Farmers who live where fur-bearing animals of any description can be trapped have before them a season in which, to the pleasure of capture, will be added a profit not to be overlooked by the thrifty.

For the past two years the use of fur has been exceedingly limited. There has been practically no market for any except the exceedingly rare and beautiful skins. The styles did not call for it.

Farmers who had been accustomed to earn several hundred dollars by trapping during the winter months gave it up in disgust. They couldn't get enough for pelts to pay for the shoe leather wasted in making the round of traps. Fur buyers were in a bad way. They

couldn't sell, so they didn't buy.

But fickle Dame Fashion has changed her mind—and now look. It is a reign of fur. Fur collars, fur cuffs, fur coats, muffs, capes and shawls, and hats.

Fur is proper everywhere. It is combined with velvets, linens, silks, satins, organdies, brocades and velours. There are fur reverses, fur lapels, fur piping, edging, flounces and bands. Fur is proper on the dancing frock, the reception dress, the tailored suit, the house gown and the negligee.

The Fashions.

The plume in milady's hat is made of fur, and there's fur around the tops of her dainty boots, and—hush! The indescribables—petticoats and things—even night gowns—edged with fur!

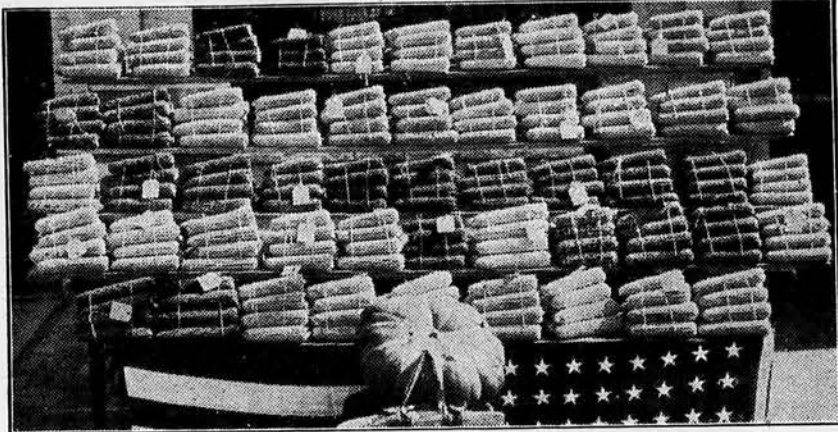
Everything's fur. Pick up any fashion periodical; any woman's magazine; any newspaper that has a fashion page; any recent mail order catalog, and you'll find that no woman is considered fashionably dressed unless she wears fur morning, noon and night.

As a consequence the demand for furs is far greater than the supply, and prices have gone sky high. At the recent United States Government auction sale in St. Louis, prices were bid 171 per cent higher on blue foxes, for instance, than they were two years ago. And buyers are begging for more.

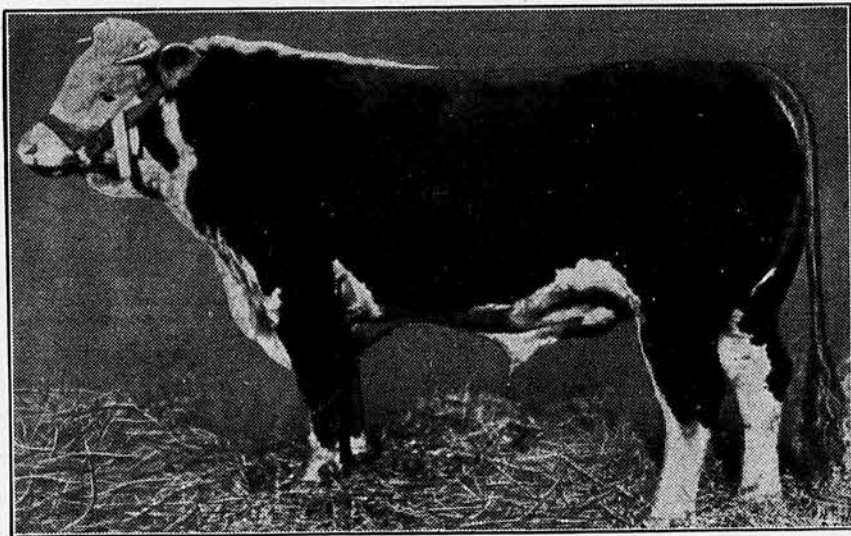
So get out your old traps and scrape the rust off of them, or buy new ones and go after the nice little extra profit there will be in furs this winter. You will have no trouble in finding a market or getting your price.

The way to keep healthy is to live right; right living is righteous living.

Winners at the Lyndon Fair



The Corn Display Was a Feature of the Show, and it Indicates the Encouraging Interest which is Being Taken in This Crop.



THESE pictures show some of the prize-winning stuff at the Lyndon fair recently. The corn picture is of one section of the different varieties exhibit, which is said to be one of the largest and finest displays ever shown in the county. The Hereford is Dandy Andres 25, the head of E. E. Bailey's herd of 150 purebred animals. The increasing interest among the farmers of this vicinity in better farm produce of every kind is shown keenly at these fairs by the larger attendance and bigger and better exhibits of all kinds.

Lyndon, Kan.

J. N. Markley.

JENKINS-Victrola

Special Outfit Suggestions With Our Prices and Terms



Jenkins Outfit 4-A
\$4 CASH
\$1 a Week
50¢ a Week
No Interest
Includes latest Victrola Style 4 with 12 selections on 8 double-faced 10-inch records.



WE offer these Special Outfit suggestions on Victrolas. The records included in these outfits are 10-inch double-faced records of your own selection, or if you prefer other records you may select them to the same value from the Victor Catalog of over 5,000 selections. We give you the benefit of our experience, our superior service and our musical knowledge, which gives you exceptional advantages in selection and advice. Particular people will appreciate this.



Jenkins Outfit 9-A
\$5 CASH
\$5 a Month
No Interest
Newest Victrola Style 9 with 20 selections on 10 double-faced 10-inch records.

Jenkins Outfit 6-A
\$5 CASH
\$1 a Week
No Interest
Newest Victrola Style 6 with 12 selections on 8 double-faced 10-inch records.

Jenkins Outfit 11-A
\$7 CASH
\$5 a Month
No Interest
Newest Victrola Style 11 Cabinet Model with 20 selections on 10 double-faced 10-inch records.

Jenkins Outfit 8-A
\$5 CASH
\$4 a Month
No Interest
Latest Victrola Style 8 with 20 selections on 10 double-faced 10-inch records.

Jenkins Outfit 14-A
\$15 CASH
\$7 a Month
No Interest
Latest Cabinet Style 14 Victrola with 20 selections on 10 double-faced 10-inch records.

Jenkins Outfit 10-A
\$5 CASH
\$5 a Month
No Interest
Latest Cabinet Style 10 Victrola with 20 selections on 10 double-faced 10-inch records.

Jenkins Outfit 16-A
\$25 CASH
\$10 a Month
No Interest
Largest and latest Cabinet Victrola Style 16 with 20 selections on 10 double-faced 10-inch records.



Write to us today and learn more about the wonderful Victrola. It will provide more pleasure, amusement and entertainment for your family than anything you have ever had in your home. Write today.

J.W. JENKINS
Sons' Music Co.
1015 Walnut St., Kansas City, Mo.

Hides and Furs Are Higher

than for years past. Hunting and trapping should be very profitable this season. We will pay you the highest market prices on your hides and furs. We have built our business during the past 50 years, by giving every man a square deal—charge no commission, send check same day shipment is rec'd. We treat you right. Write for full list and tags.

JAS. C. SMITH HIDE CO., TOPEKA KANSAS
St. Joe, Mo. Wichita, Kan. Joplin, Mo. Grand Island, Neb. Dallas, Texas



Farmers Sons Wanted

with knowledge of farm stock and fair education to work in an office; \$30 a month with advancement, steady employment, must be honest and reliable. Branch offices of the association are being established in each state. Apply at once, giving full particulars. The Veterinary Science Association, Dept. T London, Canada.

TRAPPERS
We want your furs—we pay highest prices—WE CHARGE NO COMMISSION. Send today for FREE price list and particulars of our FREE GIFT to trappers.
HILL BROS. FUR CO. 388 N. MAIN ST. ST. LOUIS, MO.

TANNING Don't fail to Get Our Special Offer and Free Catalog before shipping your hides to anyone to be made into coats and robes. Work guaranteed. Write today. **ATLAS TANNING CO., BOX 200, DES MOINES, IOWA**

HIDES TANNED
We actually save you fully 50% when you ship us a cow or horse hide to be made up into a coat or robe. We are the tanners who protect you against poor work or loss of hides from any cause by our Hide Insurance Certificate. Write today for free catalog, giving prices and all information. Address
COWNIE TANNING COMPANY
522 MARKET ST. DES MOINES, IOWA

TRAPPERS WE BUY FOR CASH
And pay highest prices for Coon, Mink, Skunk, Possum, Muskrat, and all other Furs, Hides and Ginseng. Best facilities in America. Send for Free Price List and Shipping Tags. No commission charged.
ROGERS FUR COMPANY,
Dept. 196 St. Louis, Mo.

LURIT
It Will Attract All Animals to Your Traps Send 25c in stamps for a large trial bottle. Guaranteed to increase your catch or money refunded. We will also send you a large Skunk hunting picture in 6 colors. FREE price lists. You get full value for Furs when you ship us. No charges for Selling as We are Direct Buyers.
UNITED STATES FUR COMPANY,
Dept. M 211 N. First St., St. Louis, Mo.

HIDES TANNED
Send us your Cattle and Horse Hides. We will tan them and make into Beautiful Robes, Fur Coats, Rugs, Mitts, Gloves, Caps, Etc. All work guaranteed.
Pair of Fur Mitts Free with each Fur Coat or Lined Robe. Write for big New Catalog. We also buy Hides, Raw Furs, Wool, price list and shipping tags. TRAPPER'S GUIDE FREE.
LINCOLN HIDE & FUR COMPANY,
1004 Q St., LINCOLN, NEBRASKA.

FURS
Get the top price for your hides and furs. Don't ship to any one any where until you first get my big FREE price list. Shipping tags free. Write
J. F. ROHLEDER, HUTCHINSON, KANSAS

RAW FURS
Ship Direct to New York and Secure the Highest Cash Prices
Why ship to the middleman, who must eventually sell your furs in New York and make his profit out of you? We pay the highest New York market prices. Our methods of grading are unusually liberal. We never charge commissions, giving you full value for your furs and paying express charges on all shipments east of the Rocky Mountains. Write for our price list and special offer.
Largest dealers in Ginseng and Golden Seal in the United States
DAVID BLUSTEIN & BRO.
Fastest Growing Raw Fur House in New York
185 W. 27th St., New York, N. Y.

FURS SHIP TO BIGGS
Highest Prices in Years Skunk, Coon, Opossum, about double last year's prices. We must have furs and will pay the price to get them. Immense orders on hand. We always pay highest prices but this year more than ever. No commissions deducted. You get every cent.
FREE Send for Free copy of "Trappers' Exchange" our monthly magazine. Greatest Trapper's Magazine Published. Subscription Free to all Trappers. Full of pictures and actual stories of trapping and hunting adventures. Shows how to trap more fur and how to get the most money for them. TRAPPERS' SUPPLIES, Guns, Ammunition, Traps Baited at Actual Factory Cost. We want your Furs.
E. W. BIGGS & CO., KANSAS CITY, MO.

TRAPPERS
A New Valuable FREE Trappers' Book Just Out! Tells how to prepare skins for the market. Contains recipes for making good baits at trifling cost. Tells how, where and when to set traps. Write for catalog of Traps at Factory Prices. Guns at Lowest Prices. Experienced trappers will tell you to rely on Lyon. No waiting for your money. Highest prices. Shipping Tags Free.
M. LYON & CO.
226 Del. St. Kansas City, Mo. Est. 1870
RELY ON LYON

Stop, Man! Don't Miss This!



Send me your name now—on a postal—and you'll get, FREE, the surprise of your life.

First—I will prove to you, beyond the shadow of a doubt, that your straw—every ounce of it—is worth \$2.50 to \$3.80 a ton. Then I will show you how to prove to yourself that you can get \$2.50 to \$3.80 per ton for it. Easily! Quickly! Surely!

By my extraordinary plan, you can prove that there's a tremendous profit in spreading straw before you have spent or risked one little cent! Yes, Sir, I take all the risk from start to finish—you take none! Furthermore, if you decide to buy my "SIMPLEX," I'll TRUST YOU and not a cent do I ask till next October!

Pretty good machine when the maker is willing to let you try it FREE and then take almost a year to pay—don't you think so? Must be a great money maker for farmers! You bet it is! As a money-maker it will skin any machine on your farm. You write me and I'll prove it!

Simplex Straw Spreader

Makes Straw Worth \$2.50 to \$3.80 Per Ton

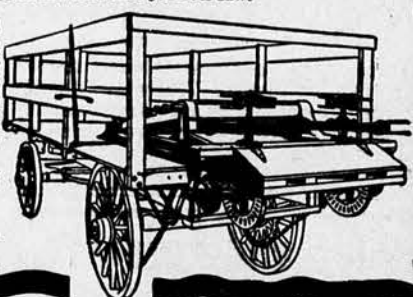
Straw, as a fertilizer, a conservator of moisture, and a preventative of soil blowing, is easily worth \$2.50 when spread on your land. And spreading is easy with a SIMPLEX. Just think! Twenty feet at a time! Thick or thin. Twenty acres per day! Machine pays for itself in three working days! Fits high or low wagon! Has double-drive and double-width carriers! Four years proven success behind it! Thousands already in use! Thirty days' FREE TRIAL—no money in advance! Plenty of time to pay! Man, it's the biggest and best offer you ever saw!

Get My Latest Proposition

I've got a very Special Proposition for one farmer in each township. I have never made it public nor I won't. But when you write—I will explain all, and at the same time I will send you my new Straw Spreader Catalog together with several hundred actual letters from owners—greatest bunch of letters you ever saw! Can't help convincing any man that it's folly to burn straw or allow it to rot.

Write! Do it now and you'll get the big book—the interesting letters—my special proposition—by return mail ALL FREE!

Manson Campbell, President
MANSON CAMPBELL COMPANY
Dept. 202 Kansas City, Mo.



USE
Common-Sense
Liniment
For Man or Beast
T. H. Jackson's Colic Treatment
For Horses and Mules
Prepared Only by
T. H. Jackson & Co., Quincy, Ill., P.O. Box 416
For Sale by Druggists Generally.

Only \$2 Down
One Year to Pay!
\$24
Buy the New Butter-
fly Jr. No. 2. Light running,
easy cleaning, close skim-
ming, durable. Guaranteed
a lifetime. Slices 56 guests
per hour. Made also in four
larger sizes up to 1-3 shown here.
It saves in cream. Postal brings five get-
ting, folder and "Sport from factory" folder.
Buy from the manufacturer and save half.
ALBAUGH-DOVER CO., (INC.)
2153 Marshall Blvd. CHICAGO

Awarded
Medal of Honor
and Gold Medal,
Panama-Pacific
Exposition



Don't Shiver in Chilly Rooms

The discomfort of spending the early days of fall in chilly, unheated rooms is nothing to the danger to health.

It lowers the vitality and invites colds and pneumonia; if there are young children or old people in the family the risk of illness is doubled. It also is unnecessary when the NEW PERFECTION Heater instantly banishes frosty chill and makes the living room a place of genial comfort.

Carry it with you from room to room and have heat to dress by in the morning and in the bathroom. After the winter fires are lighted, use the NEW PERFECTION in rooms that are hard to heat; in the night, if anyone is sick; wherever and whenever you want a warm room quickly—by simply striking a match.

PERFECTION
SMOKELESS
OIL HEATER

The NEW PERFECTION is easy to care for. Burns 10 hours on one gallon of oil. Can't smoke. No trouble to re-wick, because wick and carrier are combined—the fresh wick all ready to put in, clean, smooth and ready to light.

For best results use Perfection Oil.

At the Panama-Pacific Exposition the many points of superiority of the NEW PERFECTION Line won a Medal of Honor, while a Gold Medal was awarded the NEW PERFECTION Heater—a sweeping victory.

Your dealer has the NEW PERFECTION Oil Heater on exhibition. Look for the triangle for warmth, comfort and good cheer. He will be glad to show you the different models.

STANDARD OIL COMPANY (Indiana), CHICAGO, U.S.A.

Now Is the Time to Can Cold

Build a Milk Room and Ice House for \$90

BY W. E. FRUDDEN

AN ICE house having a capacity of 10 tons and a 5 by 8-foot milk room all built of hollow tile material can be had in most localities for \$90. That will be the cost if the ideas are carried out as are suggested by the accompanying drawings, material lists and specifications.

The use of hollow tile in the building of the ice house is considered by many to be the best practice. In some localities it is a rather scarce article or at least high in price due to freight rates, but in sections where the vitrified clay blocks can be had for \$40 or \$50 a thousand it is considered mighty good judgment to use them in this class of farm construction.

This building which costs less than \$100 has outside dimensions, 10 by 16 feet. Foundation walls of concrete of a one, three, five mixture are 12 inches thick and go down 2½ or 3 feet. The foundation must go down at least below the frost line and down to a solid and firm soil if it will serve as a satisfactory footing for this masonry constructed ice house and milk room for the farm. A 5-inch thick floor of concrete drains toward the center and all excess water that forms is carried away through a 4-inch drain tile that was laid in before the foundation or the floor was built.

Use a standard size clay block; 5 by 8 by 12 inches. Lay them so as to make an 8-inch wall. This then makes for two dead air spaces through the whole wall and gives the best of service in ice house building. Lay the walls up plumb to a height of 10 feet. Use a cement mortar with only a small amount of lime in it so as to make it plastic enough to stick to the ends of the blocks when they are being laid. The 2 by 8 wood plate must be bolted to this wall so when the last course is being laid up there must be inserted at 4-foot intervals, ½-inch bolts that will project enough so that the plate can be fastened securely in its place. The walls of this house should be plastered or

coated with cement. This is not absolutely necessary nor is it done entirely for appearance. It makes a more solid and a tighter wall and also helps to preserve the clay blocks in the walls.

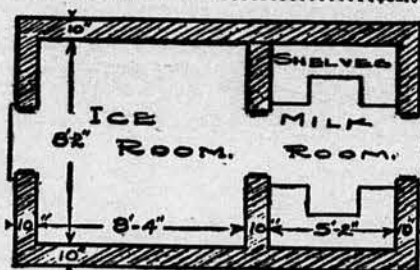
There are no windows in this house. The outside door to the milk room however is glazed double and will provide an abundance of light for this room. For the door frames use the common 2 by 8 plank material and set them in place before the wall goes up. The doors leading into the ice room are full 10 feet high while the outside milk room door is but 7 feet high.

The frame roof construction consists only of 2 by 6 rafters 7 feet long and set on 2-foot centers. They are cut out and nailed to the top plate with the ends exposed. For the roof a shiplap sheathing is used and covered with a tar and felt roofing material. The roof must be sealed up tight and if care is used in the making of the roof this hollow tile house will add considerably to the farm in both appearance and value. The gable ends are boarded up and a small ventilator built in to carry away any foul air that may be formed.

In the milk room shelves are built of 1 inch lumber, so that the perishable foodstuffs of the farm may be stored here in safety during the hot summer months. The ice house doors are built in three sections and on the inside of the door frame are found short pieces of plank that are put in place as the ice house is filled and removed as fast as it is emptied. They keep the ice and the sawdust filler from crowding up against the doors.

Here is a list of material that is needed:

5 barrels cement	\$ 2.00
1100 clay blocks for walls	50.00
20 2x6x7	
100 ft. 2x8 for plates and frames	2.00
250 ft. one inch lumber for doors and shelves	7.50
250 ft. shiplap sheathing	7.00
2½ squares roofing	5.50
Hinges and hardware	5.00
All material	\$91.00



Kansas Wins Again

The grand prize for the finest collection of agricultural products and for the largest number of prizes at the Panama-Pacific exposition was awarded to Kansas. Kansas entries won 104 medals on agricultural products, and one entry of Kansas hard wheat was adjudged the finest specimen in the world.

The poultry exhibits from Kansas also swept the field. Of 200 entries, 136 won prizes, 75 of which were firsts and seconds.

No Operator on the Binder

Some owners of traction engines, who use them in the harvest fields to pull the binder, do not use an operator on the binder. This reduces expenses and the need for help at a time when it usually is scarce. In telling of this, B. J. Ruetenik in a recent issue of the Country Gentleman said:

Our tractor has been used on an 8-foot reaper. This is equipped with a tongue truck, to which a pole 3 feet long is attached. With a clevis on the drawbar this is the only additional equipment required.

A mirror is fixed at the side of the tractor. This mirror is large enough to show the knottor arrangement on the grain binder. The operator looks into this mirror and if the twine should break, or the packers become clogged, he can see them and stop in a moment. This reaping outfit has given the best of satisfaction, and with an 8-foot binder in a contest has accomplished more work than two 6-foot binders, operated by horses, under the same conditions. The hottest weather usually is experienced at harvest, and flies are the most bothersome, hence there are never three horses that work equally well together. If there is any rush work horses must be changed for fresh ones before the day is over. With the tractor no stops are necessary. The tanks are filled in the morning, and the outfit goes on from morning to night cutting the grain. It is left in the field, and a few hours are put in at the work during the evening.

The binder with a tractor for power will take the corners at right angles, without leaving any grain. The operator pulls the binder a little past the grain, then with a quick motion of the steering wheel brings the tractor close to the grain again. This will practically turn the binder at right angles and will take a fresh swath with better ease than the horses. With the mirror attachment, which any handy farmer can make, there need be no operator on the binder, as the man on the tractor can at all times see the knottor on the binder without inconvenience.

The Mexican leaders see a possibility of peace ahead—and gosh! how they dread it.—Don Marquis in New York Evening Sun.

Sows at Farrowing Time

Causes of losses in pigs:

1. Sows too fat, too much corn.
2. Lack of attention at farrowing time.
3. Poor shelter and poor feeding at farrowing.

The first day after farrowing give water only. The second day after farrowing give a little of the same kind of feed that the sow received before farrowing. Also add bran to the ration as this gives more bulk and helps to keep down the craving appetite. Keep a close watch on the pigs. Do not feed the sow without looking at the pigs. Increase the feed slowly, depending on the appearance of the pigs. Generally the food can be increased on a sow with a large litter faster than on a sow with a small litter. If the pigs are poor, it is evident that the sow should have more feed for milk production, while on the other hand if the pigs are fat, the feed should be increased slowly. In case of scours in the pigs, do away with all sloppy feed and put a tablespoonful of blood flour in the sow's drinking water.

The feed for the sow should gradually be increased until she is receiving about all that she wants. As soon as the pigs learn to eat, they should have a trough by themselves. A pig should be kept growing rapidly until it is 50 or 60 pounds in weight. From 50 pounds on the gain can be made largely from grass with some concentrated feed in addition.

The amount fed in winter will depend on the age of the sow. Old sows should be kept from getting fat.

Corn should be fed in connection with some nitrogenous feed, such as tankage, meat meal or oil meal.

W. L. Blizzard.

Oklahoma A. and M. College.

Profits from Cheese

It is probable that it would be unprofitable to attempt to make cheese on the farm unless from 80 to 100 pounds of milk could be handled daily.

The profit that may be expected from butter-making as compared with cheese-making depends upon the relative price received for the butter or cheese. If 100 pounds of 4 per cent milk are made into cheese, about 10½ pounds of cheese should be secured. At 20 cents a pound this would be worth \$2.10. The whey would be worth about 10 cents, thus making the total returns \$2.20. If 100 pounds of milk are separated and the cream churned, about 4 8-10 pounds of butter would be secured. The skim-milk and buttermilk would be worth about 25 cents. At 25 cents a pound the butter would be worth \$1.20, thus making the returns \$1.44 from 100 pounds of 4 per cent milk. This estimate may be varied according to prices that would be received for butter or cheese. No account is taken of the comparative labor required in either case.

Equipment to handle 10 gallons of milk a day for cheese would cost about \$10. Equipment to handle as high as 30 gallons of milk a day would cost \$18 to \$20. Creamery supply houses can furnish equipment for cheesemaking on the farm.

Stillwater, Okla.

J. M. Fuller.

Few Germs in the Butter

In the transmission of tuberculosis from cattle to man, the danger has been exaggerated. An eminent bacteriologist writes: "So far as I am aware, there is no case on record where it has been conclusively proved that butter infected with tubercle bacilli has been the means of producing the disease in the human." Another eminent bacteriologist says: "While it is possible for pathogenic bacteria to maintain their viability in butter for a considerable period of time, so far as I know, no case of the transmission of disease of any kind through butter has been reported. My personal opinion is that the danger from butter is very slight on account of the very small number of pathogenic bacteria which would be likely to occur in butter even if made from unpasteurized cream and the comparatively small amount of butter which is consumed." Never in the history of the country has there been such good butter, milk, cream and cheese sold as there is today, and no products are as healthful, nutritious and cheap as are those from the dairy cow.



Victrola XVI, \$200
Victrola XVI, electric, \$250
 Mahogany or oak

Other styles of the Victrola, \$15 to \$350
 Victrolas, \$10 to \$100

Will there be a Victrola in your home this Christmas?

The instrument that brings you the world's best music in all its beauty. The actual living voices of Caruso, Farrar, Gluck, McCormack, Melba, Schumann-Heink and other famous singers. The superb art of Elman, Kreisler, Paderewski and other noted instrumentalists. The brilliant music of Sousa's Band, Pryor's Band, Vessella's Band, Victor Herbert's Orchestra and other celebrated organizations. The inimitable witticisms of Harry Lauder, Nora Bayes, De Wolf Hopper, Raymond Hitchcock and other leading comedians.

Only the Victrola brings you all this wonderful variety of music—a delight every day in the year to every member of your family. Any Victor dealer in any city in the world will gladly demonstrate the Victrola and play any music you wish to hear.

Write to us for the illustrated Victor catalogs and names and addresses of Victor dealers nearest you.

\$15 \$25 \$40 \$50 \$75 \$100 \$150 \$200 \$300

New Victor Records demonstrated at all dealers on the 28th of each month

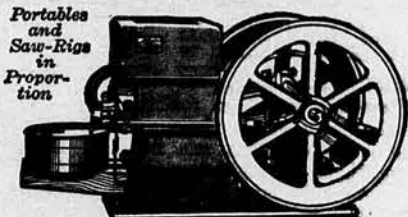
Always use Victor Machines with Victor Records and Victor Needles—the combination. There is no other way to get the unequalled Victor tone.

Victor Talking Machine Co.
 Camden, N. J., U. S. A.
 Berliner Gramophone Co., Montreal
 Canadian Distributors

Save Half Your Engine Money—Buy For These Prices

2 H-P, \$35.10; 3 H-P, \$52.65;
 4 H-P, \$70.20; 6 H-P, \$100.00;
 8 H-P, \$140.40; 12 H-P, \$210.90.

Portables and Saw-Rigs in Proportion



MECO ENGINES

represent the result of advanced methods of making and selling gasoline engines. Fewer parts, simpler and stronger construction, and large output at a fair profit enables us to produce an absolutely high-grade engine at about one-half the selling cost of other high-grade engines; or, you can get a bigger engine for the money than you had figured on. Every engine


Guaranteed 5 Years

Before you select any engine, write for our Catalog, giving your dealer's name and we will tell you how to get a Mece for trial. Catalog sent by return mail, shows why these engines cost you less to own and operate.

Manufacturers Engine Co.
 1695 Crystal Ave. Kansas City, Mo.



PATENT YOUR IDEAS
 \$9,000 offered for certain inventions. Book "How to Obtain a Patent" and "What to Invent" sent free. Send rough sketch for free report as to patentability. Manufacturers constantly writing us for patents we have obtained. Patents advertised for sale at our expense.
CHARLES A. CHANDLER, Patent Att'y
 Est. 20 Years. 948 F St., Washington, D.C.



Bovee Pipeless and Regular Piped Wood Furnaces

Large Double Doors 17x21 inches or 16x16 inches. Burns Four-Foot Wood and soft coal. Old Houses heated as well as new. Costs but Little More Than Good Stoves. Can be installed in one day by any handy man.

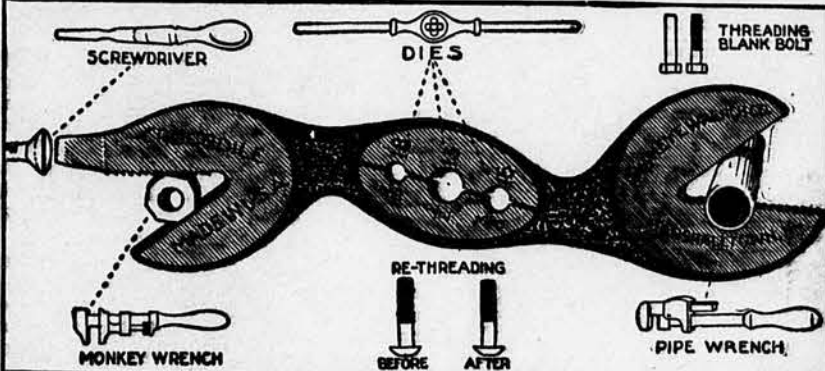
Upright Furnaces furnished when desired that burn any kind of fuel.

Save Forty Per Cent of cost and one-third of fuel by buying Bovee Furnaces. Write for free catalogue.

BOVEE FURNACE WORKS, 188-8th St., Waterloo, Iowa

The Handy Crocodile Wrench

An All Around Handy Tool for the Home, Farm and Shop



The Crocodile Wrench requires no adjustment; never slips; is simple and always ready for use. Will work in closer quarters than any other wrench. It is light, strong, compact and easily carried in the pocket. It is successfully used as a Pipe Wrench, Nut Wrench and Screwdriver, and contains three dies for cutting or cleaning threads in bolts used on standard farm machinery. It is drop-forged from the best steel, scientifically tempered, nothing to get out of order.

Our Special Free Offer We will send the Handy Crocodile Wrench free and postpaid to all who send \$2.00 to pay for three year's new or renewal subscription to Mail and Breeze. The Handy Tool is guaranteed to please you in every way or your money will be refunded. The dies on this wrench alone would be worth more than the subscription price in time saved in going to town for repairs. Address

MAIL AND BREEZE, Dept. CW, Topeka, Kansas



Let me send you a WITTE Engine to earn its own cost while you pay for it!

FOR a long time I have been making this offer to readers of this paper. During this time many thousands of farmers, shop men, mill men, elevator men, gin men and others have taken advantage of my offer under my easy terms of purchase. Under the policy of this paper, that its advertisers must deal fairly with its subscribers, if I were not making good on my offers and my claims this publication would not now be printing my advertisements.

Write me your address so I can send you, as a reader of this paper, the most liberal offer I ever made.

ED. H. WITTE.

Here Are My Latest Prices

(F. O. B. Factory)

All Engines Water Cooled and Completely Equipped.

Stationary Engines

2 H-P.	\$34.95
3 H-P.	52.45
4 H-P.	69.75
6 H-P.	97.75
8 H-P.	139.65
12 H-P.	197.00
16 H-P.	279.70
22 H-P.	359.80

Portable Engines

2 H-P.	\$39.95
3 H-P.	60.50
4 H-P.	82.75
6 H-P.	127.75
8 H-P.	174.65
12 H-P.	237.00
16 H-P.	329.70
22 H-P.	412.30

Saw - Rigs

4 H-P.	\$124.25
6 H-P.	152.25
8 H-P.	202.15
12 H-P.	267.00

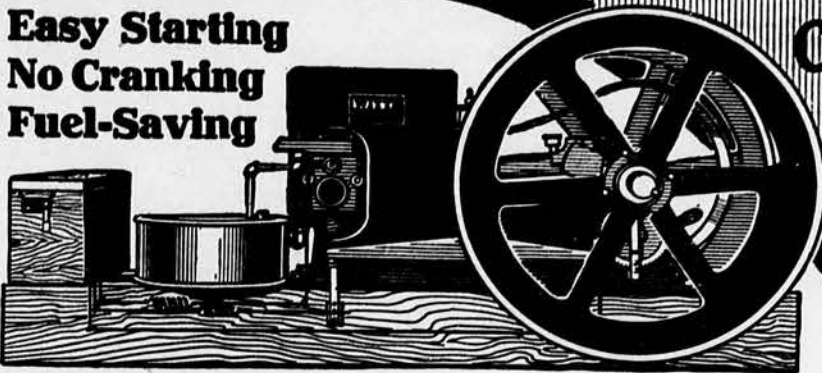
Just think of it! Stationary Gasoline Engines, of the highest quality, now averaging in price



THE FAMOUS WITTE 3-1/2-1 BIG. 1-Portable Saw-rig. 2-Saw frame, and table removed, a Farm Portable. 3-Dismounted, a Stationary Engine.

Why Pay More than my Price for any Good Engine

Easy Starting
No Cranking
Fuel-Saving



Cheaper Power
from
Gasoline
Kerosene
Distillate
and Gas

WITTE ENGINES

Guaranteed Five Years

WHEN you can buy a 20 horse-power automobile for \$400, or a 40 horse-power car for \$885—advertised prices for cars of nationally known high-quality—why should you pay \$25 to \$40 per horse-power for any single cylinder gasoline engine? The automobile has, besides its engine, its transmission, wheels, tires, springs, lights, body, steering gear, upholstery and any number of other things in its make-up, not found on a gasoline engine. The gasoline engine is much the simpler machine of the two to manufacture.

Everybody agrees that first-class automobiles are built for present auto prices. It is just as easy to see how first-class gasoline engines of the highest quality can be built and sold for prices averaging less than \$17.50 per horse-power. When you are told that engine prices as low as my prices cannot furnish you a high quality engine, you can safely call that kind of talk the most empty kind of tommyrot.

Buy Direct From My Big Factory Low Prices—Cash or Easy Terms

I will undertake to prove that no engine of whatever high price can be worth any more for general farm or shop work than my engines. I have been making engines almost ever since there have been any gasoline engines in America. I know what an up-to-date factory should be and what it can do. (Present low automobile prices are the result of up-to-date factories and up-to-date manufacturing methods.)

The day of high engine prices is past, no matter how much talk may be used to excuse the appetite for asking high prices. A college professor at a president's salary could not earn any more on a plow than any other good plowman. Where is the good sense in paying more to have your farm or shop work done than you need to

pay? Let me send you my evidence to show that a WITTE engine will do your work in the highest quality kind of way, and at a big saving in cost to you.

My factory is the only one in America that has come down through practically the whole history of the gasoline engine under the principal ownership and management of the same man who started it (myself). I made my first engine with my own hands, and ever since, for 29 years, I have been right on the same job, doing nothing but making engines.

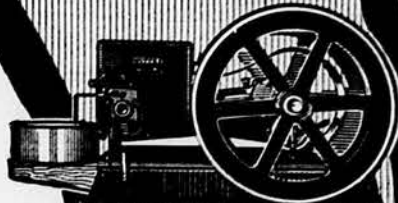
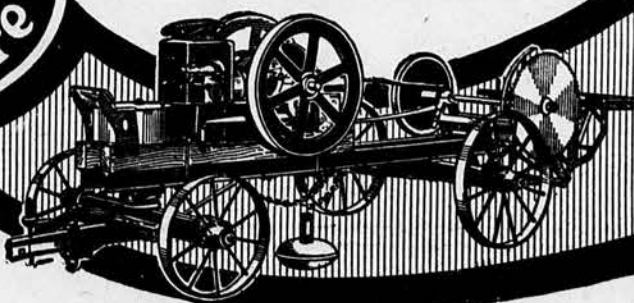
Our sales for years have been covering the whole nation, and if my engines were not good ones we could not have grown from nothing into a national business. Our steady growth through 29 years is proof of the high quality of my engines.

Before you pay more than my price, send for my FREE BOOK, "How to Judge Engines."

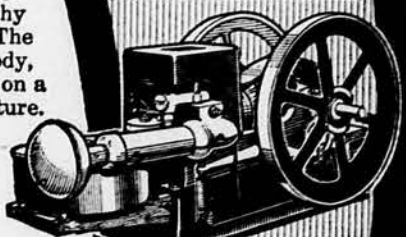
Send me your address, so I can send you free, by return mail, my whole engine story. Learn why I use semi-steel castings, where others use common gray iron; why I make cylinder and bed separable; vertical valves; four ring pistons, where others use three; automobile style ignition; safety spark shift for easy starting; high carbon, open-hearth steel crank shafts; machine cut gears; rocking lever valve operation, and the other features of merit, without which no engine is of high-grade quality.

A study of this book will make you competent to judge any engine, and show you how to save and make money by using a WITTE engine. Write me today—letter, postal or the coupon—but do it now. Address my nearest office.

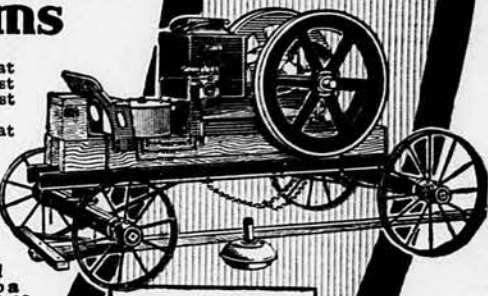
ED. H. WITTE, Witte Engine Works,
1540 Oakland Ave., Kansas City, Mo.
1540 Empire Bldg., Pittsburgh, Pa.



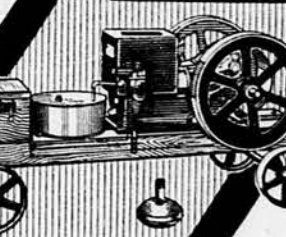
WITTE STATIONARY ENGINE, on iron sub-base. Regular wood skid mounting shown at left.



WITTE KEROSENE ENGINE, Burns Kerosene, Distillate, Gasoline, Naphtha and Gas.



WITTE PORTABLE ENGINE All steel and iron trucks, with complete equipment.



WITTE HAND PORTABLE Sizes: 2, 3 and 4 H-P. On substantial, flexible truck, wide metal wheels.

COUPON FOR FREE BOOK—

ED. H. WITTE, Witte Engine Works,
1540 Oakland Avenue, Kansas City, Mo.
1540 Empire Building, Pittsburgh, Pa.

Without cost to me, and with no obligation on my part, I should like to have your latest and finest book, "How to Judge Engines," and to investigate your Liberal Selling Plan based on your New Low Prices.

Name

Postoffice

R. F. D. State



The Forester's Daughter

A Romance of the Forest Service in Colorado

BY HAMLIN GARLAND

(Copyright, 1915, by Hamlin Garland.)

Wayland Norcross, son of a wealthy lumberman in an eastern state, goes to Colorado in search of health. At Bear Tooth he meets Berrie, the pretty daughter of Joseph McFarlane, forest supervisor, who becomes his fellow passenger in the stage coach for a day. Berrie is greeted by her lover, Cliff Belden, a cowboy, supposed to be interested in a saloon at Meeker's Mill, where Norcross is bound. There is a rough element at Meeker's, and Norcross chooses Landon, the ranger, as his companion. Landon loves Berrie. Cliff notices Berrie's interest in the tenderfoot and warns him away. He also takes his betrothed to task. She resents this and breaks their engagement. Nash, the ranger at Bear Tooth, gives Wayland points on forestry. Berrie's father offers him a place in the service. He and Norcross start through the mountains, accompanied by Berrie. They make camp when Wayland is nearly exhausted. The supervisor goes after the horses which have wandered off. He is detained. Norcross arranges to sleep outside and Berrie inside a tent. The supervisor doesn't return. They break camp. Wayland is used up on the trail. They reach the empty cabin of Tony, a ranger. Next day Mr. Moore, a lumberman, his daughter Slona and a notorious gossip, Mrs. Belden, pass. Norcross admits he is the son of a wealthy lumberman. The supervisor returns and realizes the delicate situation in which his daughter is placed. Berrie, jealous of the Moore girl, decides to go home. After breakfast Berrie and Wayland start down the trail, and about 2 o'clock make camp and get dinner. Cliff hunts Norcross and knocks his rival senseless. Berrie thinks him dead. Seeing life returning she flings herself on Wayland, covering his face with kisses.

He rose with instant obedience, glad of a chance to serve her, and soon had the tent pegged to its place and the bedding unrolled. Together they lifted the wounded youth and laid him upon his blankets beneath the low canvas roof which seemed heavenly helpful to Berrie.

"There!" she said caressingly. "Now you are safe, no matter whether it rains or not."

He smiled. "It seems I'm to have my way after all. I hope I shall be able to see the sun rise. I've sort of lost my interest in the sunset."

"Now, Cliff," she said as soon as the camp was in order and a fire started, "I reckon you'd better ride on. I haven't any further use for you."

"Don't say that, Berrie," he pleaded. "I can't leave you here alone with a sick man. Let me stay and help."

She looked at him for a long time before she replied. "I shall never be able to look at you again without hating you," she said. "I shall always remember you as you looked when you were killing that boy. So you'd better ride on and keep a-riding. I'm going to forget all this just as soon as I can, and it don't help me any to have you around. I never want to see you or hear your name again."

"You don't mean that, Berrie!" "Yes, I do," she asserted bitterly. "I mean just that. So saddle up and pull out. All I ask of you is to say nothing about what has happened here. You'd better leave the state. If Wayland should get worse it might go hard with you."

He accepted his banishment. "All right. If you feel that way I'll ride. But I'd like to do something for you before I go. I'll pile up some wood." "No. I'll take care of that." And without another word of farewell she turned away and re-entered the tent.

Mounting his horse with painful slowness, as though suddenly grown old, the reprieved assassin rode away up the mountain, his head bent low, his eyes upon the ground.

BERRIE'S VIGIL

AS WAYLAND'S mind cleared he became curious to know precisely what had taken place, but he did not feel free to ask her. "She will tell me if she wishes me to know." That she had vanquished Belden and sent him on his way was evident, although he had not been able to hear what she had said to him at the last. What lay between the enemy's furious onslaught and the aid he lent in making the camp could only be surmised. "I wonder if she used her pistol?" Wayland asked himself. "Something like death must have stared him in the face."

That she loved him with the complete passion of her powerful and simple nature he knew, for her voice had reached through the haze of his semi-unconsciousness with thrilling power.

The touch of her lips to his, the close clasp of her strong arms were of ever greater convincing quality. And yet he wished the revelation had come in some other way. His pride was abraded. His manhood seemed somehow lessened. It was a disconcerting reversal of the ordinary relations between hero and heroine, and he saw no way of re-establishing the normal attitude of the male.

Entirely unaware of what was passing in the mind of her patient Berrie went about her duties with a cheerfulness which astonished the sufferer in the tent. She seemed about to hum a song as she set the skillet on the fire, but a moment later she called out, in a tone of irritation, "Here comes Nash!"

"I'm glad of that," answered Wayland, although he perceived something of her displeasure.

Nash, on his way to join the supervisor, raised a friendly greeting as he saw the girl and drew rein. "I expected to meet you farther down the hill," he said. "Tony phoned that you had started. Where did you leave the supervisor?"

"Over at the station waiting for you. Where's your outfit?"

"Camped down the trail a mile or so. I thought I'd better push through tonight. What about Norcross? Isn't he with you?"

She hesitated an instant. "He's in the tent. He fell and struck his head on a rock, and I had to go into camp here."

Nash was deeply concerned. "Is that so? Well, that's hard luck. Is he badly hurt?"

"Well, he had a terrible fall. But he's easier now. I think he's asleep."

"May I look in on him?" "I don't think you'd better take the time. It's a long, hard ride from here to the station. It will be deep night before you can make it."

"Don't you think the supervisor would want me to camp here tonight and do what I could for you? If Norcross is badly injured you will need me."

She liked Nash, and she knew he was right, and yet she was reluctant to give up the pleasure of her lone vigil. "He's not in any danger, and we'll be able to ride on in the morning."

Nash, thinking of her as Clifford Belden's promised wife, had no suspicion of her feeling toward Norcross. Therefore he gently urged that to go on was quite out of order. "I can't think of leaving you here alone—certainly not till I see Norcross and find out how badly he is hurt."

She yielded. "I reckon you're right," she said. "I'll go see if he is awake."

He followed her to the door of the tent, apprehending something new and inexplicable in her attitude. In the music of her voice as she spoke to the sick man was the love note of the mate. "You may come in," she called back, and Nash, stooping, entered the small tent.

"Hello, old man! What you been doing with yourself? Hitting the high spots?"

Norcross smiled feebly. "No, the hill flew up and bumped me."

"How did it all happen?"

"I don't exactly know. It all came of a sudden. I had no share in it. I didn't go for to do it."

"Whether you did or not, you seem to have made a good job of it."

Nash examined the wounded man carefully, and his skill and strength in handling Norcross pleased Berrie, though she was jealous of the warm friendship which seemed to exist between the men.

She had always liked Nash, but she resented him now, especially as he insisted on taking charge of the case, but she gave way finally and went back to her pots and pans with pensive countenance.

A little later, when Nash came out to make report, she was not very gracious in her manner. "He's pretty badly hurt," he said. "There's an ugly gash in his scalp, and the shock has produced a good deal of pain and confusion in his head, but he's going to be all right in a day or two. For a man seeking rest and recuperation he certainly has had a rough run of weather."

Though a serious minded, honorable forester, determined to keep sternly in mind that he was in the presence of the daughter of his chief, and that she was engaged to marry another, Nash was, after all, a man, and the witchery of the hour, the charm of the girl's graceful figure, asserted their power over him. His eyes grew tender, and his voice eloquent in spite of himself.

His words he could guard, but it was hard to keep from his speech the song of the lover. The thought that he was to camp in her company, to help her about the fire, to see her from moment to moment, with full liberty to speak to her, to meet her glance, pleased him. It was the most romantic and moving episode in his life, and though of a rather dry and analytic temperament he had a sense of poetry.

The night, black, oppressive and silent, brought a closer bond of mutual help and understanding between them. She grew friendlier and asked him about his work and especially about his ambitions and plans for the future. They discussed the forest and its enemies, and he wondered at her freedom in speaking of the mill and saloon. He said: "Of course you know that Alec Belden is a partner in that business, and I'm told—of course I don't know this—that Clifford Belden is also interested."

She offered no defense of young Belden, and this unconcern puzzled him. He had expected indignant protest, but she merely replied: "I don't care who owns it. It should be rooted out. I hate that kind of thing. It's just another way of robbing those poor tie-jacks."

"Clifford should get out of it. Can't you persuade him to do so?"

"I don't think I can."

"His relationship to you?"

"He is not related to me."

Her tone amazed him. "You know what I mean."

"Of course I do, but you're mistaken. We're not related that way any longer."

This silenced him for a few moments, then he said: "I'm rather glad of that. He isn't anything like the man you thought he was—I couldn't say these things before—but he is as greedy as Alec, only not so open about it."

All this comment, which moved the forester so deeply to utter, seemed not to interest Berrie. She sat staring at the fire with the calm brow of an Indian. Clifford Belden had passed out of her life as completely as he had vanished out of the landscape. She felt an immense relief at being rid of him and resented his being brought back even as a subject of conversation.

Wayland, listening, fancied he understood her desire and said nothing that might arouse Nash's curiosity.

Nash on his part, knowing that she had broken with Belden, began to understand the tenderness, the anxious care of her face and voice, as she bent above young Norcross. As the night deepened and the cold air stung, he asked, "Have you plenty of blankets for a bed?"

"Oh, yes," she answered, "but I don't intend to sleep."

"Oh, you must!" he declared. "Go to bed. I will keep the fire going."

At last she consented. "I will make my bed right here at the mouth of the tent close to the fire," she said, "and you can call me if you need me."

"Why not put your bed in the tent? It's going to be cold up here."

"I am all right outside, she protested.

"Put your bed inside, Miss Berrie. We can't let conventions count above timber line. I shall rest better if I know you are properly sheltered."

And so it happened that for the third time she shared the same roof with her lover. But the nurse was uppermost in her now.

Nash was the first to arise in the dusk of dawn, and Berrie, awakened by the crackle of his fire, soon joined him.

"If you'll round up our horses, Mr. Nash, I'll rustle breakfast and we'll get going," she said.

Nash, enthralled, lingered while she twisted her hair into place, then went out to bring in the ponies.

Wayland came out a little uncertainly, but looking very well. "I think I shall discourage my friends from coming to this region for their health," he said ruefully. "If I were a novelist now all this would be grist for my mill."

Beneath his joking he was profoundly chagrined. He had hoped by this time to be as slinky, as alert as Nash, instead of which here he sat, shivering over the fire like a sick girl, his head swollen, his blood sluggish, but this discouragement only increased Berrie's tenderness—a tenderness which melted all his reserve.

"I'm not worth all your care," he said to her, with poignant glance.

The sun rose clear and warm, and the fire, the coffee, put new courage into him as well as into the others, and while the morning was yet early and the forest chill and damp with rain, the surveyor brought up the horses and started packing the outfit.

In this Berrie again took part, doing her half of the work quite as dextrously as Nash himself. Indeed, the forester was noticeably confused and not quite up to his usual level of adroit ease.

At last both packs were on, and as

they stood together for a moment Nash said: "This has been a great experience—one I shall remember as long as I live."

She stirred uneasily under his frank admiration. "I'm mightily obliged to you," she replied, as heartily as she could command.

"Don't thank me, I'm indebted to you. There is so little in my life of such companionship as you and Norcross give me."

He helped Norcross mount his horse, and as he put the lead rope into Berrie's hand he said, with much feeling: "Good luck to you. I shall remember this night all the rest of my life, Miss Berrie."

"I hate to be going to the rear," called Wayland, whose bare, bandaged head made him look like a wounded young officer. "But I guess it's better for me to lay off a week or two and recover my tone."

And so they parted, the surveyor riding his determined way up the naked mountain side toward the clouds, while Berrie and her ward plunged at once into the dark and dripping forest below. "If you can stand the grief," she said, "we'll go clear through."

Her caution was all for him. She tried each dangerous slough first and thus was able to advise him which way was safest. His head throbbled with pain and his knees were weary, but he rode on.

At last they came into open ground on a high ridge and were gladdened by the valley outspread below them, for it was still radiant with color, though not as brilliant as before the rain.

At 1 o'clock on the bank of a clear stream the girl halted. "I reckon we'd better camp awhile. You look tired, and I am hungry."

She unsaddled one pack animal and spread some blankets on the grass. "Lie down and rest while I boil some coffee," she commanded, and he obeyed, too tired to make pretension toward assisting.

Lying so, feeling the magic of the sun, hearing the music of the water and watching the girl, he regained a serene mood, and when she came back with his food he thanked her for it with a glance before which her eyes fell. "I don't see why you are so kind to me. I really believe you like to do things for me." Her head drooped to hide her face, and he went on: "Why do you care for me? Tell me!"

"I don't know," she murmured. Then she added, with a flash of bravery, "But I do."

"What a mystery it all is! You turn from a splendid fellow like Landon to a 'skate' like me. Landon worships you—you know that—don't you?" "I know—he" she ended, vaguely distressed.

"Did he ask you to marry him?"

"Yes."

"Why didn't you? He's just the mate for you. He's a man of high character and education." She made no answer to this, and he went on: "Dear girl, I'm not worth your care—truly, I'm not. I resented your engagement to Belden, for he was a brute, but Landon is different. He thinks the world of you. He'll go high in the service. I've never done anything in the world—I never shall. It will be better for you if I go—tomorrow."

She took his hand and pressed it to her cheek, then, putting her arm about his neck, drew him to her bosom and kissed him passionately. "You break my heart when you talk like that," she protested, with tears. "You mustn't say such gloomy things—I won't let you give up. You shall come right home with me, and I will nurse you till you are well. It was all my fault."

"I will not have it go that way," he said. "I've brought you only care and unhappiness thus far. I'm an alien—my ways are not your ways."

"I can change," she answered. "I hate my ways, and I like yours."

As they argued she felt no shame, and he voiced no resentment. She knew his mood. She understood his doubt, his depression. She pleaded as a man might have done, ready to prove her love, eager to restore his self respect, while he remained both bitter and sadly contemptuous.

A cow hand riding up the trail greeted Berrie respectfully, but a cynical smile broke out on his lips as he passed on. Another witness; another gossip.

She did not care. She had no further concern of the valley's comment. Her life's happiness hung on the drooping eyelashes of this wounded boy, and to win him back to cheerful acceptance of life was her only concern.

"I've never had any motives," he confessed. "I've always done what pleased me at the moment—or because it was easier to do as others were doing. I went to college that way. Truth is, I never had any surplus vitality, and my father never demanded anything of me. I haven't any motives now. A few days ago I was interested in forestry. At this time it all seems futile. What's the use of my trying to live?"

TO BE CONTINUED.

Christmas Lesson Helps

BY SIDNEY W. HOLT.

The Sunday school lesson for December 19 brings to us the old, old story which children, since Sunday schools were established, have studied and talked over in every Christian land, the story of Christmas, of Christ's birthday, of the fulfillment of a Hebrew prophecy. We grownups know this story well, but how many can repeat it so that the children in our charge shall love it and remember it and take it with them into manhood?

We shall find this lesson in "The Song of the Angels," Luke 2:8-20. The Golden Text is in this sentence: "The angel said unto them, Fear not: for, behold, I bring you good tidings of great joy, which shall be to all people." Luke 2:10.

In some parts of Judea's grazing territory, the shepherds herd their flocks all night. To these shepherds near Bethlehem came the wonderful news of Christ's birth. We can well imagine their surprise and fear when the glorious, shining Gabriel appeared unto them. In all probability they were discussing this very subject, "The coming of the King," a subject dear to their hearts, and ever present in their minds. Gabriel's "Fear not; I bring you good tidings of great joy, for unto you is born this day, in the city of David, a Savior, which is Christ the Lord," came as a reassurance and encouragement.

The shepherds had been so intent on the angel's message and his instructions on how to find the babe, wrapped in swaddling clothes and lying in a manger, that they had not noticed the accompanying host, until they heard the marvelous music. With what wonder and admiration they listened to that heavenly choir as they sang "Glory to God in the highest, and on earth peace, good will toward man."

And they hastened to search for the babe. Now, Joseph and Mary had come to Bethlehem to be taxed as was the custom in Herod's time. And there the shepherds found Mary and her babe, in the cave-stable where the kind innkeeper had sent them when there was no room in his inn.

All through the Hebrew religion they dealt with symbols. Here is Mary's babe a symbol of how Christ enters our lives, not as a full grown presence but as a fragile babe to be loved and nursed with tender care. He is often born as obscurely into human experience as he came into the world in that humble little stable. For he comes to us in our torn affections, our remorse, our fear, our imagination and our grief. "A little child shall lead them," we read but it is only when we are humble and meek that we find this babe wrapped in swaddling clothes.

Was it not a symbol that to these shepherds, the most humble people in Judea, the news was first made known of the birth of our Savior?

By the Scripture it was prophesied that Christ was to fulfill all things, to overcome and conquer all things, all nations and all people, all currents of thought and feeling, all occupations of human society and institutions of mankind.

It is evident that as yet He has not done so. But He is still the Christ Child and in this fact lies the salvation of the world. He will continue to grow until the whole world is full of His Divine presence, in the practical affairs of our actual everyday life.

"Glory to God in the highest, and on earth peace, good will toward man." We have need of peace this Christmas-tide and could we offer it our gift would be more wonderful than the gold and frankincense and myrrh, that the three wise men brought to the infant Savior.

So much for the Christmas lesson. The regular lesson for December 19, which, of course, you will wish to know in order to keep even with the schedule, has to do with the fall and captivity of Israel. It will be found in II Kings, 17:7-14; 18. The Golden Text for the day is: "He, that being often reproved hardeneth his neck shall be suddenly destroyed," Prov. 20:1.

There was no doubt that Israel had sinned grievously against Jehovah. She had copied much that was evil from Egypt and Assyria. She had not heeded the warnings of Jehovah's prophets. Then God reproved Israel by withholding the rain in some parts, thus mak-

ing two or more cities to wander to one city, causing much dissatisfaction. He sent war and pestilence but still the people turned not to the God of Abraham.

God here reminds them how he brought them out of Egypt and led them for 40 years through the wilderness that they might inhabit the land of the Amorite. He complaineth of their unthankfulness, of their giving of wine to the Nazarites, of their not listening to the prophets and obeying the laws given to Moses.

Jehovah had watched long and patiently the sinful nation of Israel, and they must have their lesson. For three years they had war, then captivity, then exile. But while the nation was to be scattered and destroyed God remembered his promise to Abraham, to Isaac and to Jacob, and He said, "I will bring again the captivity of my people Israel and they shall build the waste cities and inhabit them, they shall plant vineyards and drink the wine thereof; they shall make gardens and eat the fruit of them. And I will plant them upon

When a great corporation goes on the rocks, some man or group of men has scuttled it. During the reign of law and lawlessness in big business, we have seen looted corporations stagger to their feet and once more become healthy and vigorous, only to be robbed again and laid low. That day is passing and with it must pass that form of legal pillage appropriately called receiverships. It was intended that bankrupt business should be nursed back to health by these officers of the courts, not betrayed, sandbagged, robbed and done to death in the refuge of the law, by ruffians posing as friends and preservers.

their land and they shall no more be pulled up out of the land which I have given them."

Hoshea, meaning Salvation, was a better king than those who had preceded him but he was not big enough to save the nation from downfall. "Hoshea was the climax of man's attempt to save himself."

It is a blessing that he should be followed centuries later, by Jesus, or Jehoshua, "God our Salvation." "Jesus was God coming down into man to do for man what he had proved incapable of doing for himself."

Dodging Taxes in Kansas

(Continued from Page 7.)

\$17.49 in 1913. The total amount of taxes paid by Kansas people has increased from about 14 million dollars in 1901 to more than 30 million dollars in 1915—more than doubling in 14 years, far out of proportion to increase in population. It is only fair to say that Kansas in this respect is no exception to the general rule. The great increase of taxation is practically universal and with a few minor exceptions, where graft and misrule and political trickery have been most rampant the increase of taxation has been most marked in those states that are endeavoring to do the most for the people. "In Kansas during the period from 1901 to 1913 the increase of taxation by percentages was:

State tax	68.41 per cent
County tax	77.98 per cent
City tax	153.87 per cent
Township tax	119.31 per cent
School tax	132.66 per cent

Total 110.68 per cent

"It will be noted that the greater part of the increased taxes were expended for local purposes, and while I have no doubt in my own mind that a certain percentage of the state taxes were not expended to the best purpose, due in a large degree to our inefficient and wasteful system of state and local government, I nevertheless believe that the increased functions of the state government and the increased service which the people's representatives in the legislature authorized made necessary a large part of the increased expenditures.

"We do not want this state to lag behind the other states of the Union, but neither are we fools or spendthrifts. We have no money to throw to the birds; we want a full dollar's value for every dollar we pay in taxes; and moreover, few of us are sentimental enough to want to pay our own taxes and those of our neighbors also."

When You're Hunting

for that juicy old tongue-tickling tobacco satisfaction and joy just sink your teeth into a plug of "PIPER" and bite off a good generous chew. Keep some in your southwest pocket; it will always raise you a good crop of tobacco-happiness.

PIPER Heidsieck

Chewing Tobacco—Champagne Flavor

The greatest distinction about "PIPER" is to a man who likes a smacking good relish to his chew is the famous "Champagne Flavor." The Piper taste mingles on his tongue with the natural, mellow sweetness of the ripest, carefully selected

tobacco leaf. "PIPER" is the highest type of chewing tobacco in the world—wholesome, healthful and satisfying.

Sold by dealers everywhere, in 5c and 10c cuts—sanitary, foil-wrapped, to preserve the "PIPER" flavor.

THE AMERICAN TOBACCO CO.
111 Fifth Ave., N.Y.



FREE Send 10c and your tobacco dealer's name, and we'll send a full-size 10c cut of "PIPER" and a handsome leather pouch FREE, anywhere in U. S. Also a folder about "PIPER." The tobacco, pouch and mailing will cost us 20c, which we will gladly spend—because a trial will make you a steady user of "PIPER."

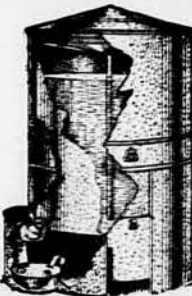
O-K Sanitary Stock Waterers

Are the "All Year-Round" Waterers. Give your stock clean, sanitary, warm water at the right temperature, when 40 degrees below zero, and cool, clean water in the hottest weather. O-K Waterers eliminate the necessity of chopping out ice and carrying water several times a day. Do not spread disease as does the old-fashioned trough. The O-K is a necessity to every successful hog raiser. Enables you to keep your hogs in a thriving condition. Pure water is more necessary than feed. It is the

First Cost—Last Cost Waterer

GUARANTEED To make good all our claims or your money back. Don't be satisfied with just a waterer, get the O-K and make it possible for your stock to drink clean, sanitary water, day or night. Saves time and labor. Increases stock profits. Reduces feed expense 20%. Simple, practical, automatic feed. Inexpensive to operate. If your dealer does not handle them, order direct. Freight prepaid. Send today for catalog, prices and free trial offer.

PHILLIP BERNARD COMPANY
2320 Floyd Ave. Sioux City, Iowa



Gives You A Giant's Power

When you see a KIRSTIN get a grip on a great big stump and bring it out, roots and all, at a rapid rate, you will realize how this little machine gives a man the power of a giant. The Kirstin's wonderful system of double leverage enables one man to do more work, quicker work, easier work, better work at stump pulling and at less cost. The powerful

One-Man Easily Handles And Operates A Kirstin



Kirstin One-Man Stump Puller

will clear an acre from one anchor. The only stump puller that changes speed while in operation—the only puller that gives you five machines in one. We back the Kirstin with an iron-clad guarantee and invite full comparison with any other stump puller or land clearing method. Our big free catalog tells all about the easy, economical KIRSTIN way of clearing land. Write today for your copy. Agents wanted.

A. J. KIRSTIN CO., Escanaba, Mich.
6925 Ludington St.

SAVE HARNESS MONEY

Hundreds of amazing bargains! Write now for free copy of our new catalog, with life-like pictures of harness, saddles, bridles, blankets, bits, etc.

Special Offer

Here's a dandy extra heavy copper riveted halter, 1 1/2 inch wide, sells for \$1.50 everywhere; our special offer

—Prepaid— \$1

We Prepay the Freight

Save you from 30 to 50 per cent, guarantee our goods for two years, refund on the minute if goods don't suit you. Send goods with privilege of examination. Get catalog TODAY—it's free for the asking—and see our wonderful direct-from-maker bargains.

H. & M. Harness Shop, Dept. K, St. Joseph, Mo.

When writing to advertisers please mention the Farmers Mail and Breeze.

THE LIFE SAVER KNOWS WHAT HE WENT AFTER

THAT WAS A HEROIC RESCUE YOU JUST MADE, SOMETHING OF VALUE I SUPPOSE

YOU JUST BET IT WAS! MY NEW POUCH OF THE REAL TOBACCO CHEW THE POUCH IS WATERPROOFTOO

MANY a man saves half his tobacco money by using W-B CUT Chewing—the Real Tobacco Chew, new cut, long shred. A small chew satisfies, and it lasts you longer than twice the money can buy in the ordinary tobacco.

"Notice how the salt brines out the rich tobacco taste"

Made by WEYMAN-BRUTON COMPANY, 50 Union Square, New York City

New KEROSENE LIGHT BEATS ELECTRIC OR GASOLINE

10 Days FREE—Send No Money

We don't ask you to pay us a cent until you have used this wonderful modern light in your own home ten days, then you may return it at our expense if not perfectly satisfied. You can't possibly lose a cent. We want to prove to you that it makes an ordinary oil lamp look like a candle; beats electric, gasoline or acetylene. Lights and is put out like old oil lamp. Tests at 14 leading Universities show that it

Burns 50 Hours on One Gallon common coal oil (kerosene), no odor, smoke or noise, simple, clean, won't explode. Three million people already enjoying this powerful, white, steady light, nearest to sunlight. Guaranteed.

\$1,000.00 Reward will be given to the person who shows us an oil lamp equal to the new Aladdin in every way (details of offer given in our circular). Would we dare make such a challenge if there were the slightest doubt as to the merits of the Aladdin? GET ONE FREE. We want one user in each locality to whom we can refer customers. To that person we have a special introductory offer to make, under which one lamp is given free. Write quick for our 10-Day Absolutely Free Trial Proposition and learn how to get one free.

MANTLE LAMP COMPANY, 1137 Aladdin Building, Chicago, Ill.
Largest Manufacturers and Distributors of Kerosene Mantle Lamps in the World

We Own and Offer the Following

KANSAS MUNICIPAL BONDS

WHICH ARE NON-TAXABLE IN KANSAS AND EXEMPT FROM FEDERAL INCOME TAX

PARSONS, KS., RFDG. 5's
HOLTON, KS., IMP. 5's
PITTSBURG, KS., IMP. 5's

LARNED, KS., W. W. 5's
LEAVENWORTH, KS., W. W. 5's
Also Oklahoma School Dist. 6's

WRITE FOR CIRCULARS AND PRICES

FIDELITY TRUST COMPANY, BOND DEPT., KANSAS CITY, MISSOURI

Smallest Bible on Earth

This Bible is about the size of a postage stamp and is said to bring good luck to the owner. Sent free if you send 10c for three months' subscription to our big magazine, HOUSEHOLD, Dept. B 2, Topeka, Kan.

Lovely Brooch Free

A lovely colored stone set brooch, gold finish, open work design, sent free if you send 15c for 3 months' subscription to our big magazine, HOUSEHOLD, Dept. LB 2, Topeka, Kan.

THIS BEAUTIFUL RING FREE

Set with four Sapphires surrounded with six bright sparkling imitation Diamonds. This is one of the most beautiful rings ever given. We will send one of these handsome rings as a free premium to all who send just 50c to pay for a two years' subscription to our big home and story magazine, The Household. Be sure to state size of ring wanted.

HOUSEHOLD, Dept. SR-303, TOPEKA, KANSAS.

WANTED MEN

75 to \$200 a month

The demand for capable automobile men exceeds the supply. Our graduates are always in demand to fill good positions as Salesmen, Demonstrators, Factory Testers, Garage Managers, Repair Men, Ignition Experts and Drivers.

\$50 COURSE FREE

Six weeks from the day you enter this great school you will be able to repair any make of automobile to drive any car on the market. All who enroll now receive \$50 course in Tractor Engineering and Power Farming Free. Write today for our big Free Book and the \$50.00 Free Scholarship Certificate.

M. J. RAHE, President, AUTOMOBILE TRAINING SCHOOL
1088 Locust St., Kansas City, - Mo.

FORTUNES HAVE BEEN MADE

by advertising. Everyone knows that so well that it isn't necessary to insist upon it. We are not arguing that you will make a fortune by advertising in Farmers Mail and Breeze. But we do claim that there is no reason why you should not do what others are doing, add substantially to your income by advertising in the columns of this paper and we are not sure you may not find yourself on the way to a fair future. Look over our advertising columns, the display and the classified columns. You know what our readers buy that you have to sell, poultry and eggs for hatching, hogs, cattle, horses, land, seed corn and good seeds of about every kind. One man sold \$3,000 worth of seed by spending \$5 for advertising space in one of the Capper Papers. That is an extreme case, of course, but there is a big market for what you have to sell. Our readers will furnish the market. Rates are given in this paper. They are low for the circulation. If the rates are not clear to you ask us for them, addressing Advertising Department, Farmers Mail and Breeze, Topeka, Kan.

Corn Records Are Very Good

Quite a Few Boys Report Yields That Beat Their Fathers'

BY OUR COUNTY CORRESPONDENTS

GOOD corn records are being sent in from all over Kansas this winter. The boys are sending in mighty good samples of corn to the Capper corn show, too. There are 15 or 20 samples of corn in the show this year that are better than the best 10-car sample last year. The fathers haven't made any better showing this year than the boys. The threshing is not all finished. Sales are well attended. Snow or rain will be good for the wheat fields.

KANSAS.

Republic County—No rain since the middle of November. Seventy-five per cent of the corn is husked and the yield and quality is good. Fall sowed wheat badly infested with Hessian fly. Hogs \$5; wheat 93c; corn 53c; butterfat 35c.—E. L. Shepard, Dec. 4.

Geary County—Fine weather. Farmers busy husking corn. First real snow November 27 but it melted almost as fast as it fell. A great many files in the wheat. Stock doing well. No. 2 wheat 94c; corn 54c; oats 40c; eggs 30c; hogs \$6.—O. R. Strauss, Dec. 4.

Barber County—Weather has been very good for threshing and all kinds of stock. Threshing is almost finished and a good many are through shucking corn. More hard work done this fall than usual. Corn 55c; cream 32c in some parts of county.—G. H. Reynolds, Dec. 4.

Bourbon County—Some cold weather recently. All kinds of stock doing well. Not as much hog cholera as last winter. Farmers getting interested in dairying here and several cars of dairy cows have been shipped in. Corn turning out well. Wheat looking good.—Jay Judah, Dec. 3.

Ness County—Weather very good but a little moisture would be fine for the early wheat. A few threshing machines still working and the huskers are busy and report yields as high as 70 bushels. Quality of corn good. Stock not eating the feed very good.—C. D. Foster, Dec. 4.

Morton County—The grain crop is not gathered. It is all on the ground and it is tedious task to gather it. Help is scarce. The feed is in the shock and not stacked. One field of kafir averaged over 40 bushels to the acre. A large amount of broomcorn is being hauled to market.—E. E. Newlin, Dec. 3.

Stafford County—Cool, dry weather. No snow yet. Wheat very backward on account of late sowing and dry weather. Not as much wheat sown as usual. Corn gathering in progress and the crop is good but acreage small. An abundance of feed for stock. Some cholera among hogs.—S. H. Newell, Dec. 3.

Sherman County—Threshing still in progress. Spring wheat made 12½ to 18 bushels to the acre; winter wheat 20 bushels; barley, oats and corn 25 to 30 bushels. There is an abundance of all kinds of forage for the stock, and it is cheap. Soft spring wheat 80c; barley 44c; eggs 35c.—J. B. Moore, Dec. 4.

Stanton County—Weather cold for this time of year. Farmers still gathering grain. Corn good and making about 30 bushels to the acre. Stock not doing very well. Grass not much good this fall. Horses cheap but mules bring fair prices. Corn 54c; maize 45c; hogs 7c; chickens \$4 dozen.—Earl H. Dunbarr, Dec. 1.

Coffey County—Weather very good. No moisture since October 12 and the ground is getting too hard to plow. Wheat not doing well on account of ground being worked too wet. Stock water getting scarce in places. A good deal of road work being done and it was needed badly. Stock doing well. Eggs 28c.—A. T. Stewart, Dec. 4.

Neosho County—No rain for six weeks and it is too dry for wheat and fall plowing but livestock doing very well. Corn is hard to husk and is yielding from 25 to 50 bushels to the acre. Plenty of extra good seed corn. Flax yielded from 8 to 9 bushels to the acre and sold for \$1.50. Fat

hogs \$5.75 to \$6; corn 55c; eggs 28c; baled or loose prairie hay \$6 to \$7.—A. Anderson, Dec. 3.

Saline County—Weather very fine. Corn husking well under way and the yield is better than ever before. Wheat about all threshed. It is very spotted and making 6 to 35 bushels to the acre. Not many hogs in the county because of cholera. Many cattle shipped in. No snow or rain for some time and ground is in good condition for wheat. Corn 50c; wheat 90c; alfalfa \$3 to \$7 ton.—John Holt, Dec. 4.

OKLAHOMA.

Delaware County—Fine fall weather and nearly all of the corn is out of the way. A good deal of plowing for corn is being done. Wheat looks very good but a little moisture would help it. Corn 50c.—Frank Rock, Dec. 2.

Alfalfa County—Wheat not growing much. Kafir good and some of it made 65 bushels to the acre. Corn good quality. Wheat 95c; corn 60c; kafir 50c; eggs 14c; cream 29c; alfalfa hay \$4 to \$8 ton.—J. W. Lyon, Dec. 4.

McIntosh County—Two cars of mules and one of milk cows have been shipped in and found ready sale. Out going shipping light. Cotton about all picked and the price is advancing. Butter and eggs scarce. Corn 45c; hogs 5c.—H. S. Waters, Dec. 4.

Ellis County—Nice weather but it is a little dry for the wheat. However, the wheat is up nicely. It is not all sowed yet. Most of the kafir is topped. Wheat 88c; kafir 30c; eggs 25c; potatoes \$1; apples \$1; hogs \$5.50.—W. E. Sells, Dec. 1.

Grant County—Wheat late but looking well. No rain for some time but the soil is full of water. Threshing still in progress. Not much wheat left, but considerable kafir, cane and feterita. No sales now. Much improvement being made on roads. Many new automobiles. Corn 50c; wheat 90c.—A. C. Craighead, Dec. 3.

Custer County—Weather dry. Farmers will soon be through gathering row crops. Feterita did not prove satisfactory as it fell down badly. Kafir is very good and some of it made 61 bushels to the acre. Fewer sales than usual. Hogs \$5.50; hens 9c; cream 29c; wheat 88c; kafir 35c; corn 45c; turkeys 13c.—H. L. Tripp, Dec. 4.

Kiowa County—Cotton picking is about ended and it has averaged a half bale an acre. Wheat stand is good and it is looking well but a good rain would benefit it. Most of the feed crop was in shock before the killing frosts. Many public sales and high prices for stock. Price of cotton and seed advancing. Eggs 25c; cream 27c; turkeys 14c; hens 8c; lint cotton 12c; seed \$34 ton.—T. Holmes Mills, Dec. 3.

Boger Mills County—No rain for six weeks and it is getting rather dry for the wheat. Some corn and feed to gather yet and part of it making from 35 to 45 bushels to the acre. Not much wheat pasture this fall. Hogs dying with cholera or something similar to it. Cotton opened up better than was expected. If we have rain by December 15 or 20 more wheat will be sown. A good many public sales. Wheat 92c; corn 40c; milo 25c to 35c.—Hugh Sober, Nov. 30.

Making Himself At Home.

Doris was radiant over a recent addition to the family, and rushed out of the house to tell the news to a passing neighbor, says the Bristol Times and Mirror.

"Oh, you don't know what we've got upstairs!" she cried.

"What is it?"

"It's a new baby brother!" And expectantly she watched the effect of her announcement.

"You don't say so! Is he going to stay?"

"I think so"—very thoughtfully.

"He's got his things off!"

Petition Against Armament

If the people are to prevent the establishing of the European military policy in this country, they must act with vigor and determination. Only a storm of protest can stay it. Sign and get your neighbor to sign this petition. Clip this form from the page, affix it to the top of a sheet of paper and you will have room for other signatures. When signed return to Desk 3, Farmers Mail and Breeze, Topeka, Kansas.

To the President and the Congress:

We respectfully request the President and the Congress not to enter upon an elaborate program of defense at this time; to wait until we shall have had time to profit by the lessons of the war and can see more clearly what our course should be. We condemn the proposed program of "defense and preparedness" as an unwarranted war measure antagonistic to every American principle and tradition, as certain to bring the curse of militarism upon us, and as contrary to the welfare and the wishes of the American people. We believe that inevitably it will create unfriendly suspicion and lead to armament among neighbor nations; that it will render more acute all our own grave national problems; that it will open the door to unparalleled jobbery and "pork barrel" legislation, and that it will increase enormously the rapidly growing expenses of government and impose a crushing burden on the people of the nation.

Name..... Address.....

Name..... Address.....

Name..... Address.....

Wheat Almost 10cts. Higher

Demand for Hogs is Good and Possibly the Price Will Go No Lower—Top Steers Last Week Were \$10.65

CHICAGO'S large receipts of cattle last week were attended with lower prices except for the few loads that showed prime finish, and they reached new high levels, at \$10.65 top. Killers, however, depressed prices for the plain to fair grades, and that caused lower prices at river markets where nothing choice was offered.

Here there was a decrease of 9,000 in receipts. Iowa and Minnesota kept large supplies coming, and the range movement showed ordinary quality, indicating a final cleanup. The plain and ordinary light weight killing steers were quoted nearly steady, and the better grades were off 15 to 25c. No prime steers were offered, the top sale being \$9.40. Killers say they will need some Christmas beefs, but those who have them are hesitating about shipping because high finished kinds have been lacking here and no price quotation is supplied.

The bulk of the range steers sold at \$6 to \$7, though short fed Kansas grassers brought up to \$8.15. Some Old Mexico steers brought \$5.25 to \$6.30.

Prices for cows were irregular without much net change. Receipts were moderate, with little in quality to recommend the offerings. Most of the cows sold at \$3.75 to \$5.75, and heifers \$5.75 to \$7.50. Veal calves were steady at the preceding week's decline.

In the stocker and feeder division light receipts on Monday caused an advance of 15 to 25 cents. Later choice grades were scarce and firm in price, but the ordinary kinds sold back to preceding week's low level and in the last two days were hard to move. Kansas and western states continue buying thin cattle, but eastern corn states have not broadened their inquiry. A few heavy feeders went to Illinois at 8 cents, but most eastern shipments were of the lighter weight classes.

Good Demand for Hogs.

Heavy receipts of hogs were met with a better demand than expected and packers seem to be over their bearish tactics and entering into general large buying. In Chicago there were 260,000, or about 58 per cent of the total receipts at the five western markets, and the largest there in any week this year. At river markets there was only a moderate increase for the week. Early in the week, with the large run expected, prices eased off 10 to 15 cents, but rallied vigorously on Thursday and Friday, weakened again Saturday and the close was unchanged compared with the preceding Saturday. Conditions in Chicago trade territory, from which the big movement is coming, are so unfavorable for winter feeding that market opinion is that this winter's receipts of heavy fat hogs will be considerably below expectations. Most of the hogs in Chicago were under weight, though at river markets they were fairly heavy.

The strong weight hogs now are commanding a material premium over light weight grade.

Sheep prices last week gained 25 cents owing to light receipts. Lambs sold up to \$9 November 30, making a new high record for that month. Sheep were scarce. The market now is depending on feed lots for supplies and the range movement is ended. This has resulted in fairly liberal receipts in Chicago and small supplies elsewhere. Most of the fed lambs coming show only short feed. Fat lambs are quoted at \$8.50 to \$9, yearlings at \$6.75 to \$7.40, wethers \$5.75 to \$6.50 and ewes \$5.25 to \$6.15. Some feeding lambs sold at \$8.35.

Livestock Receipts.

	Last week.	Preceding week.	Year ago.
Cattle—			
Kansas City.....	45,100	54,500	45,950
Chicago.....	60,400	49,000	53,100
Five markets.....	165,000	152,850	151,425
Hogs—			
Kansas City.....	53,800	41,200	69,700
Chicago.....	260,000	152,000	242,000
Five markets.....	452,600	291,000	481,000
Sheep—			
Kansas City.....	25,000	22,500	29,550
Chicago.....	79,000	59,000	126,000
Five markets.....	194,100	139,875	234,450

Wheat Prices are Higher.

Wheat prices which had moved narrowly in the previous week were lifted materially last week when the Canadian government commandeered 20 million bushels in elevators in the Lake Superior districts. Prices opened the week with a sharp advance, and closed at practically the highest point, 7½ to 8½c higher in Kansas City, and 10 to 13½c up in Chicago. The buying movement was of such proportions at the close Saturday, when prices reached the new high level for the 1915 crops. At times the market was extremely wild, moving at a range of 2 to 5 cents in a short time, but the prevailing interpretation of Canadian action was that foreign requirements will be large and that the substantial advance in prices was justified.

The Canadian Government's Action.

On November 29 the Canadian government issued an order commandeering all wheat in elevators in eastern Canada, estimated at 20 million bushels, principally at the Port William district at the lake head. The price specified was \$1.04 for No. 1 Northern, \$1.03 for No. 2 Northern and 98¢ for No. 3 Northern. These were the cash prices that prevailed at the close of the Winnipeg market Saturday, November 27. The government assumed no further liability than the cash price, and does not consider that further

compensation for grain dealers is called for. Considerable confusion resulted from the premature statement to the effect that the grain was commandeered at the instance of the British government. It was explained that the wheat was sold to the British government by the Dominion, but the commandeering was on the initiative of the Canadian government. The British government purchased the grain through the Allies' purchasing commission for the use of the Italian government. The belief exists that more Canadian wheat will be taken in the same way.

Big Receipts Continue.

Primary markets last week received 12,979 cars. A moderate decrease compared with the previous week, though 5,450 cars larger than in the same week last year, and nearly three times larger than those of two years ago. Minneapolis received 5,702 cars, an increase of 1,311 cars over the previous week, and 3,900 cars larger than two years ago. Kansas City received about 500 fewer cars than in the preceding week, though seven times larger than two years ago. Elevator stocks of wheat here this week increased 909,395 bushels.

Kansas City Cash Prices.

Kansas City prices for spot wheat last week rose 3 to 6 cents for hard and 2 to 5 cents for soft. Increased demand was reported both on export and milling accounts. Mills reported a material improvement in the demand for flour.

Corn Prices Up With Wheat.

Corn futures made additional advances but did not respond to the full advance in wheat. Friday the market showed a sagging tendency and lost more than one cent, but recovered again Saturday, closing 2½ to 3½c higher in Chicago and 2½ to 3c up in Kansas City. Receipts increased moderately, amounting to 2,500 cars in Kansas City, Chicago and St. Louis, compared with 1,955 cars in the previous week, and 4,802 cars a year ago. Prices now are 15 to 16 cents above the lowest levels in October. The movement now appears to be to Northern states, where the crop was damaged materially by frosts.

Oats prices strengthened with corn. Futures in Chicago rose 4 to 4½c, and in Kansas City 1½ to 3c. Receipts remain considerably below expectations and far short of what the crop estimates indicate they should be.

Hard Wheat—No. 2, nominally \$1.02@1.09; No. 3, nominally \$1.01@1.08; No. 4, 90c@1.01.

Soft Wheat—No. 2, nominally \$1.10@1.13; No. 3, nominally \$1.11@1.14; No. 4, 90c@1.02.

Corn—No. 2, white, nominally 63¢@63½c; No. 3, 62½c; No. 4, nominally 61¢@62c; No. 2 yellow, nominally 65¢@65½c; No. 3, 64½c; No. 4, nominally 62½¢@63c; No. 2 mixed, 63½c; No. 3, 63c; No. 4, 62c.

Oats—No. 2 white, nominally 42½¢@43c; No. 3, nominally 41½¢@42c; No. 2 mixed, nominally 42¢@43c; No. 3, nominally 41½¢@42c; No. 4, nominally 36¢@38c.

Bran—1 car 94c. Shorts—Nominally \$1.07@1.20. Corn chop (city mills)—\$1.22@1.23.

Rye—Nominally 89¢@90c.



Ship Us Your Stock That You Want to Market

Our twenty years' experience on this market will save you money. Each department is looked after by competent men. Our weekly market letter will be sent free upon request. See that your stock is billed to us.

Ryan-Robinson Commission Co.
421-5 Live Stock Ex., Kansas City, Mo.

4 and 2-Horse Four-Burr Mills

Grind from 15 to 50 bushels per hour. Ear or shelled corn. Small grain in proportion. Best line of Mills sold, including the famous Iowa for \$12.80. We also manufacture Bovee Steam Feeders and Dairy Boilers. Send for free catalogue. Bovee Grinder & Furnace Works 88-8th St., Waterloo, Iowa.

\$12.00 Sweep Feed Grinder | **\$15.00 Salvaged 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.,
Seventh St., Topeka, Kansas

Hides Tanned

Send us your hides and furs and we will tan them and make them up into anything you wish. Make you a coat for \$12 and a robe for \$20. You furnish the hide. We repair all kinds of fur garments that you have. Send them in. All work guaranteed first class.

Kansas City Robe and Tanning Co., Kansas City, Missouri

FINLEY ENGINEERING COLLEGE, K. C., MO.
Farmers and Mechanics three months Steam, Electric, Gas courses, \$35. Write for information.

"Hog Sense" Brings Dollars

All up-to-date feeders are feeding tankage. **Cochrane's Imperial and Victor Brands** Bring Big Results in the Feeding of Hogs. **Cochrane Packing Co.** KANSAS CITY KANSAS

When writing to advertisers please mention the Farmers Mail and Breeze.

LEARN THE AUTOMOBILE BUSINESS

COME TO DETROIT THE AUTOMOBILE CENTER AND

LEARN THE AUTOMOBILE BUSINESS

Earn \$75 to \$300 a Month

We teach you to handle any auto proposition. Our equipment is complete. Students actually build cars from start to finish, getting regular factory training in assembling, block-testing, road-testing, etc. That's the Detroit Way. All leading types of starting, lighting and ignition systems in operation. Learn to time motors, adjust carburetors, magnetos, valves, bearings, etc. Six-cylinder Lozier and 8-cylinder King used for road instruction. We have a new Chalmers "6" chassis with overhead camshaft motor—the latest thing out. "Just added 1916 Delco system as used in Buick, Hudson and Packard."

DETROIT
THE HEART OF THE AUTOMOBILE INDUSTRY

DETROIT
THE HEART OF THE AUTOMOBILE INDUSTRY

Garages throughout the country write us for men. Why not fit yourself for one of these good paying positions? W. C. Garden, Tenn., is chauffeur at \$25 a week and expenses. E. Livingston is head of government garage at Toronto. Hundreds of others in good paying positions. Read our guarantee.

Guarantee!

We guarantee to qualify you in a short time for a position as chauffeur, repairman, tester, salesman, demonstrator or garage man paying from \$75 to \$300 a month, or refund your money. We have constantly more requests for men at good salaries than we can supply.

There are 44 auto factories in Detroit. Our students have the privilege of going through any or all of them, including Detroit electric service department, while taking our course. You can't get these advantages and opportunities anywhere else. Detroit is the automobile center. You make faster time here and you get practical instruction. Come to Detroit and learn the business right. Enter classes any time.

Great Demand for Detroit Trained Men

Demand greater than supply for competent men. Following clipped from Daily Papers—All parts of U. S.

Experienced motor mechanics, bearing scrapers, assemblers, repairmen; good wages. Henderson Motorcycle Co., 1158 Cass.

10 road testers, 20 garage repairmen, final assemblers. Maxwell Motor Co., Inc., Oakland Ave. plant.

Write for full particulars. Ask for "Auto School News." They're free. Or better still, jump on a train and come to Detroit.

MICHIGAN STATE AUTO SCHOOL
3312 Auto Building, 11-19 Selden Ave., Detroit, Mich.

CUT OUT THIS COUPON AND CHECK the SPACE You WANT

Mr. A. G. Zeller, Mgr. Michigan State Auto School, Detroit.

.....Send me your new pictorial catalog and Auto School News free. I will let you know later what I decide to do.....

.....I will leave for Detroit about

Name

Address

FREE

3 Big Dollies

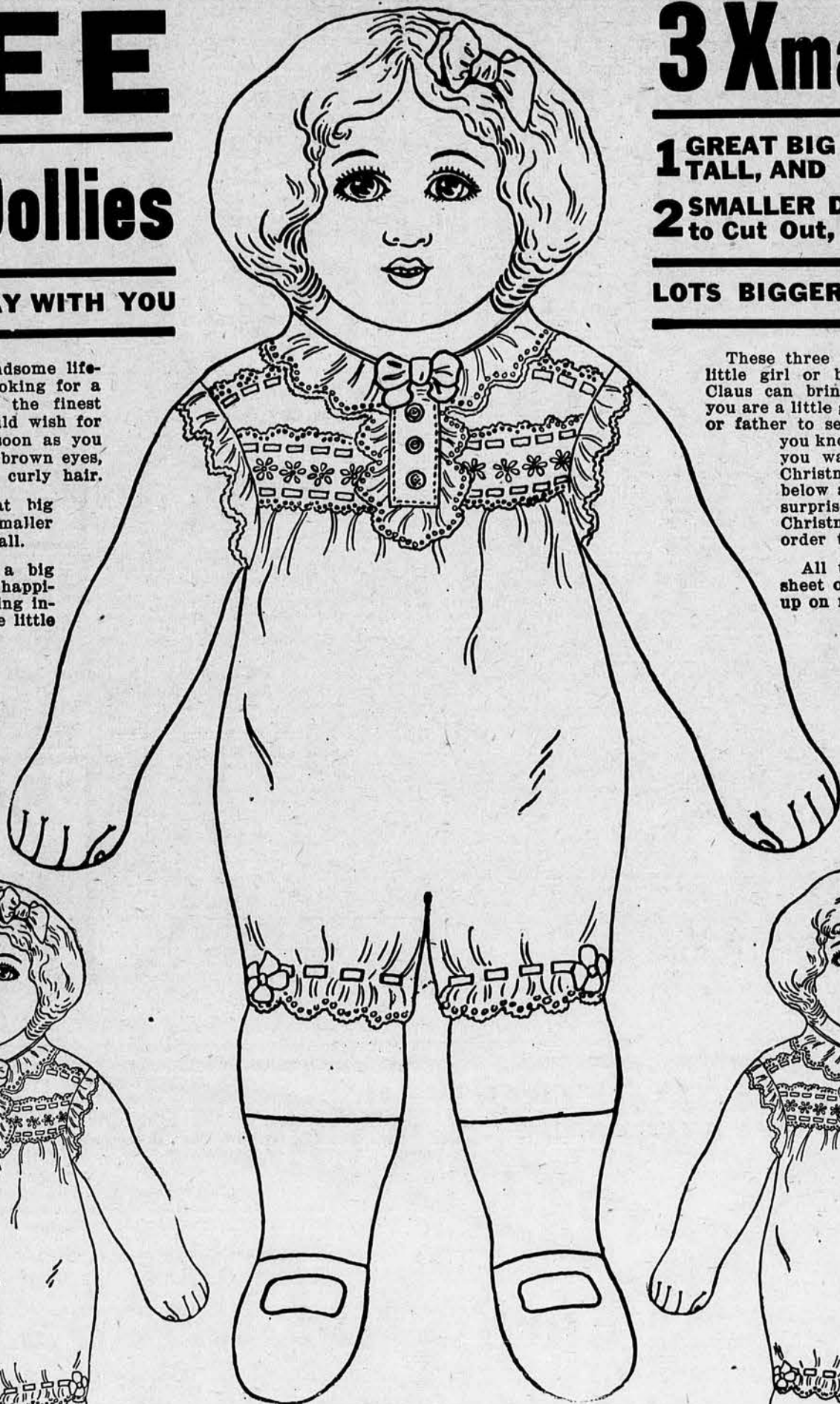
WE WANT TO PLAY WITH YOU

Here is a great, big, handsome life-size doll, 27 inches tall, looking for a little mama. She is just the finest playmate any little girl could wish for and you will love her as soon as you see her pretty face and big brown eyes, her pink cheeks and light curly hair.

In addition to the great big dollie we also send two smaller dollies, making 3 dollies in all.

Every little girl wants a big doll. Think of the joy and happiness these 3 dollies will bring into your own home when the little ones see them.

The largest doll measures TWENTY-SEVEN INCHES. It is so large you can put baby's own clothes on it. Its beautiful pink cheeks, brown eyes, light curly hair and movable limbs bring joy to every youngster, and the best feature is IT IS INDESTRUCTIBLE.



3 Xmas Gifts

1 GREAT BIG DOLL, 27 INCHES TALL, AND

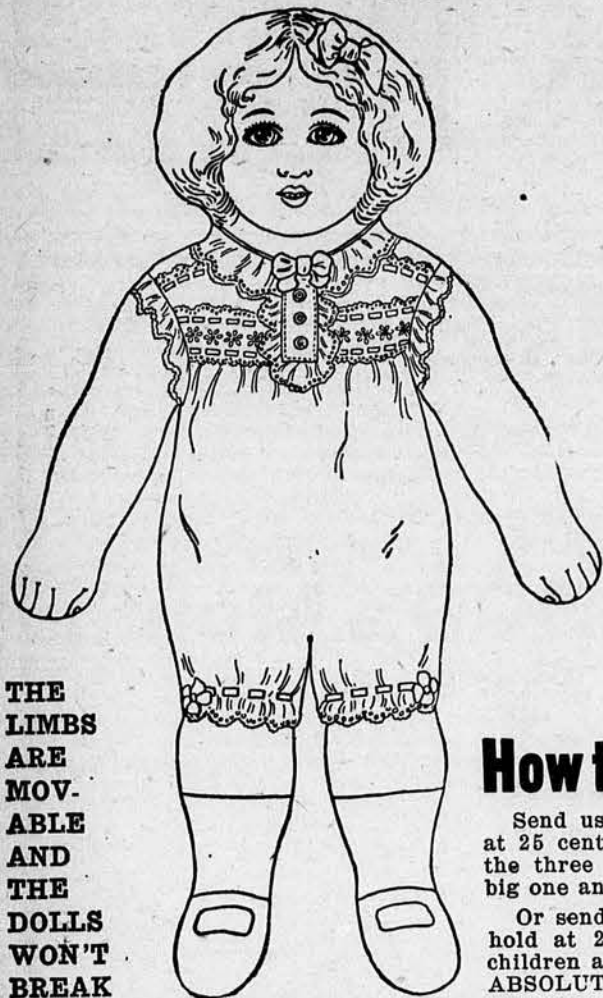
2 SMALLER DOLLIES, All Ready to Cut Out, Sew Up and Stuff.

LOTS BIGGER THAN A BABY!

These three dollies will make any little girl or boy happy, and old Santa Claus can bring them to any home. If you are a little girl or boy ask your mother or father to send for these dollies, or if you know some little friends whom you want to make happy this Christmas you can accept the offer below at once, and give them the surprise of their life. Remember, Christmas is nearly here. Better order these 3 dollies, early.

All three dollies on one large sheet of heavy cloth ready to sew up on machine and stuff. So simple anyone can do it in 10 minutes' time.

Thousands of little ones all over the country will be made happy with these three dollies. After your little girl gets her dolls all your neighbors' children will want dolls just like hers. The supply of dolls is limited and we will fill all orders as long as our supply enables us to do so.



THE LIMBS ARE MOVABLE AND THE DOLLS WON'T BREAK

How to Get These Three Dollies Free

Send us a yearly subscription (new or renewal) to The Household at 25 cents and 5 cents extra to pay postage and packing charges on the three dollies, total 30 cents, and these three beautiful dolls, one big one and two smaller ones, will be sent by return mail.

Or send us a yearly subscription (new or renewal) to The Household at 25 cents and the names of five of your friends who have children and by return mail we will send you the three beautiful dolls, ABSOLUTELY FREE.



NO LITTLE GIRL HAS ENOUGH DOLLIES

Don't Delay Signing This Coupon

THE HOUSEHOLD, DEPT. C-5, TOPEKA, KANSAS.

Enclosed find 25 cents for a yearly subscription to The Household and five cents to pay mailing charges on the three dollies, total 30 cents. Only 25 cents need be sent us if you send the names and addresses of five of your friends who have children.

Name

Town

State R. F. D. Box

Mark New, Renewal or Extension.

New ☐

Renewal ☐

Extension ☐

Offer Limited to Thirty Days

FARMERS CLASSIFIED ADVERTISEMENTS

Farmers Mail and Breeze is the greatest classified advertising medium in the farm paper field. It carries the most classified advertising because it gives the best results. The rate is low: 5 cents a word; four or more insertions 4 1/2 cents a word. Here is a splendid opportunity for selling poultry, livestock, land, seeds and nursery stock, for renting a farm, or securing help or a situation. Write us for proof that it pays. Everybody reads these little ads. Try a classified advertisement now.

POULTRY

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

PLYMOUTH ROCKS.

PARTRIDGE ROCK COCKERELS \$1.50 each. H. P. German, Glen Elder, Kan.

PURE WHITE, WHITE ROCK CKLS. \$1 and \$2 each. Mrs. Fleming, Soldier, Kan.

BUFF ROCKS—A FEW HENS AND MALES to spare. William A. Hess, Humboldt, Kan.

BARRED ROCK COCKERELS, \$1. WHITE Pekin drakes \$1. John Eubanks, Holton, Kan.

WHITE ROCKS, SIZE AND QUALITY. Satisfaction guaranteed. G. M. Kretz, Clifton, Kan.

EXTRA GOOD WHITE ROCK COCKERELS \$2 each, 3 for \$5. Garland Johnson, Mound City, Kan.

FISHEL WHITE ROCK COCKERELS. Three dollars each. Mrs. Elmer Lane, Burlington, Kansas.

BARRED PLYMOUTH ROCKS OF QUALITY. Cockerels, hens, pullets. John Roberts, Union Star, Mo.

BARRED ROCK COCKERELS \$1. TWELVE years' breeding. Wm. Speelman, Marysville, Kan., R. No. 2.

FOR SALE—PURE WHITE ROCK COCKS, cockerels, hens, pullets, \$1.00. Mrs. L. S. Whitney, Fairview, Kan.

BARRED ROCK COCKERELS. 100 FINE cockerels at \$1.00 and \$1.25 each if taken soon. Theo. Jung, Lyons, Kan.

BARRED ROCK COCKERELS, \$2. FARM raised. Large, well marked. Good laying strain. L. B. Brady, Fowler, Kan.

PURE BARRED ROCK COCKERELS. Large, farm raised. \$1.50 each. 6, \$8.00. Mrs. S. Van Scoyoc, Oak Hill, Kan.

WHITE ROCK COCKERELS, EXTRA quality, \$1.50 up. Rat terrier puppy wanted. George Spaulding, Skiddy, Kan.

PRIZE WINNING BARRED ROCK COCKERELS \$1.00 to \$3.00. Choice pullets \$1.00. Cal. Brown, Braman, Okla.

BARRED ROCK COCKERELS: THE BEST we ever raised. Price \$1 and \$2. Mrs. Samuel Drybread, Elk City, Kan.

PARTRIDGE ROCKS. EXTRA QUALITY. Stock now \$3.00 each if ordered soon. Write today. J. W. McVey, Stafford, Kan.

WHITE ROCKS, BIG SNOW WHITE CKLS., hens and pullets for sale cheap. Originator of Ivory strain. Chas. C. Fair, Sharon, Kan.

VIGOROUS FARM RAISED THOMPSON ringlet Barred Rock cockerels \$3 and \$5. Satisfaction guaranteed. T. A. Rogers, Abilene, Kan.

BARRED ROCKS—COCKS AND COCKERELS \$2.00 to \$5.00. Satisfaction guaranteed or money back. James H. Parsons, Quinter, Kan.

WHITE AND BARRED PLYMOUTH Rocks. Utility, breeders, exhibition. Prices reasonable. Catalog free. J. Harland, Shenandoah, Iowa.

DUFF'S BIG TYPE BARRED ROCKS. Guaranteed winners both for the farm and the show room. Half price now. A. H. Duff, Larned, Kan.

PURE BARRED ROCK COCKERELS. Early hatched, large and vigorous. Farm raised. \$1.50 each. Mrs. H. Buchanan, Abilene, Kan., Dickinson Co.

A LIMITED NUMBER OF EXTRA FINE cockerels (Barred Rocks) and a few cocks for \$1 or 6 for \$5. Write soon. Mrs. Jim Countryman, Axtell, Kan.

BARRED ROCK COCKERELS, HENS AND pullets are exceptionally good. Yellow legs, good barring, priced reasonably. If you want chickens for breeding write us. Moore Bros., R. 2, Cedarvale, Kan.

WHITE ROCKS, THE KIND THAT WILL satisfy you both with eggs in the basket and in the show room. Cock birds and cockerels \$2.00 and \$3.00 each, also hens and pullets. Frank Lott, Danville, Kan.

DUCKS.

RUNNER DUCKS. CUP WINNERS. BURT White, Burlingame, Kan.

WHITE PEKIN DRAKES \$1.50. MYRTLE Leighton, Effingham, Kan.

MAMMOTH PEKIN DUCKS, \$1. DRAKES \$1.25. Mrs. Oscar Hill, Mayetta, Kan.

FAWN AND WHITE RUNNERS. DUCKS \$1.00 each. Guy McAllister, Lyons, Kan.

ENGLISH PENCILED RUNNERS. DUCKS \$1.00, drakes 75 cts. J. W. Warner, La Crosse, Kan.

PURE BRED ENGLISH PENCILED RUNNER drakes for sale. Veribist Poultry Yards, Mulvane, Kan.

BLUE ANDALUSIANS.

GOOD QUALITY BLUE ANDALUSIANS. Cockerels \$3.00 for sale. Mrs. C. W. Parks, Wureka, Kan.

LEGHORNS.

S. C. W. LEGHORN COCKERELS. MRS. W. R. Hildreth, Oswego, Kan.

S. C. BROWN LEGHORN COCKERELS. \$7. Richard Dilley, Home, Kan.

SINGLE COMB BROWN LEGHORN COCKERELS \$75. Ira Freel, Corning, Kan.

TIP TOP ROSE COMB BROWN LEGHORNS. J. E. Wright, Wilmore, Kan.

ROSE COMB BROWN LEGHORNS \$1.00 and upwards. Otto Borth, Plains, Kan.

SINGLE COMB BUFF LEGHORN COCKERELS. Six \$5.00. Geo. Dorr, Osage City, Kan.

WANTED—TWO DOZEN WHITE LEGHORN hens. John L. Boles, Liberal, Kan. Route C.

A FEW ROSE COMB WHITE LEGHORN cockerels 50 cents. Mrs. John Hill, Vinland, Kan.

C. S. B. LEGHORN COCKERELS, HENS and pullets \$1.00 and up. H. N. Holdeman, Meade, Kan.

FOR SALE—PURE FERRES STRAIN S. C. Leghorn cockerels, \$2.00. C. L. Aikman, El Dorado, Kansas.

PURE BUFF LEGHORN COCKERELS AND White Runner drakes, 6 for \$5.00. Mary Moyer, Oakhill, Kan.

SINGLE COMB WHITE LEGHORN COCKERELS; a few choice early hatch, \$9 per doz. Harry Givens, Madison, Kan.

BARRON & HINERMAN SINGLE COMB White Leghorn cockerels. Prices right. G. D. Leggett, Morgan Heights, Carthage, Mo.

FOR SALE: 500 SINGLE COMB WHITE Leghorn hens and pullets, \$1.00 each. 200 cocks and cockerels same breed, \$1.50 to \$3.00 each. 200 Rhode Island Reds, both combs, male and female, \$1.50 to \$3.00 each. Keystone Poultry Yards, Lincoln, Nebraska.

TURKEYS.

BOURBON RED TURKEYS \$2.50 AND \$3.00. Wilbur King, Cullison, Kan.

PURE BOURBON RED TURKEYS. TOMS \$3.75. Lena Humphrey, Arnold, Kan.

NARRAGANSETT TURKEYS \$3.00 AND \$5.00. Mrs. Geo. Coble, Cleveland, Mo.

FINE BOURBON RED TURKEYS. HENS \$3; toms \$4. Otis Miller, Logan, Kan.

MAMMOTH WHITE HOLLAND TOMS \$3.00. Chas. McFadden, Morland, Kan.

MAMMOTH BRONZE TURKEYS. HENS and toms. Geo. Jones, Uniontown, Kan.

GIANT MAMMOTH BRONZE TURKEYS. TOMS \$7.50. L. R. Wiley, Elmdale, Kan.

THOROUGHbred BRONZE TURKEYS for sale. Mrs. A. B. Culver, Wayne, Kan.

MAMMOTH BRONZE TURKEYS. TOMS and hens. J. Marksman, Frankfort, Kan.

NARRAGANSETT TURKEYS. HENS \$2.50 and \$3.00. Mrs. Chas. Mitchell, Neodesha, Kan., R. No. 3.

THOROUGHbred BOURBON RED TURKEYS. TOMS \$3.00. HENS \$2.50. Mrs. Susan Hamlin, Oswego, Kan.

TURKEY GOBLERS, FOR SALE. BOURBON Red and White Holland. \$4.00 each. G. D. Willems, Inman, Kan.

THOROUGHbred NARRAGANSETT TURKEYS. HENS \$3.50. TOMS \$5. Mrs. Frank Indermill, Piedmont, Kansas.

PURE BOURBON RED TURKEYS. HENS \$2. toms \$3. None after December 20th. Hermon Rea, Haddam, Kansas.

THOROUGHbred MAMMOTH BRONZE turkeys. Sired by 1st prize cockerel in state, 1915. Geo. Heath, Dwight, Kan.

PURE BOURBON RED TURKEYS, STANDARD markings, prize winners. Young and old stock, \$2.50 to \$5.00. Royal Single Comb Rhode Island Reds, standard shape and color, both sexes, \$1.00 each. Rebecca Woodall, Fall River, Kan.

BRAHMAS.

LT. BRAHMAS—FINE LARGE COCKERELS and females, \$2.00, \$2.50, \$3.00, \$5.00. Guarantee satisfaction. Mrs. F. O'Daniel, Westmoreland, Kan.

MINORCAS.

SINGLE COMB BLACK AND WHITE MINORCAS and Single Comb Reds, best stock, pure bred, \$1.00 each. May Bear, Gridley, Kan.

MINORCAS—SINGLE COMB WHITE Minorca Cockerels, purebred, true to type, stylish, \$4.00 each. Arthur Goodwyn Minneapolis, Kan.

SINGLE COMB BLACK MINORCA COCKERELS and capons from Pape's prize winners. Prices reasonable. Victor E. Hawkinson, Randolph, Kan.

SINGLE COMB BLACK MINORCA COCKERELS (Pape strain). Breed from prize winners. Prices one to three dollars each. Satisfaction guaranteed. Elmer A. Nordstrom, Randolph, Kansas.

WYANDOTTES.

CHOICE WHITE WYANDOTTE CKRLS. J. J. Quiring, Hillsboro, Kan., Box 702.

WHITE WYANDOTTE COCKERELS \$1 and up. Mrs. M. F. Austin, Miltonvale, Kan.

PURE SILVER WYANDOTTE COCKERELS \$1 each. Mrs. Emma Downs, Lyndon, Kan.

PARTRIDGE WYANDOTTES. CKLS. \$1.50 and \$3.00 each. DeBusk Bros., Macksaville, Kan.

THOROUGHbred PARTRIDGE WYANDOTTE cockerels \$2 to \$4 each. Carl Bowline, Ada, Kan.

PURE BRED SILVER WYANDOTTES FOR sale. Prize winning stock. Mrs. Alvin Tennyson, Lamar, Kan.

PARTRIDGE WYANDOTTES—WRITE FOR prices. Satisfaction guaranteed. R. P. Hockaday, El Dorado, Kan.

WHITE WYANDOTTE HENS ONE YEAR old thru the molt ready to lay. Fine stock, \$1.00 each. Mrs. Geo. Downie, Lyndon, Kan.

LARGE SILVER WYANDOTTES, TARBOX strain. Cockerels \$1.00 to \$3.00 each. Satisfaction guaranteed. Mrs. B. P. Anderson, Haviland, Kan.

WHITE WYANDOTTES—LARGE, EARLY hatched cockerels \$2. \$3. \$5 each. Also a few cocks, hens and pullets. Bred from special mated prize winners. Plock's White Wyandotte Farm, Clay Center, Kan.

RHODE ISLAND REDS.

EXTRA GOOD S. C. R. CKLS. \$1. FEW \$2.50. B. W. Stewart, Talmage, Kan.

GOOD SCORING S. C. REDS, GUARANTEED to suit. Lela Osterfoss, Hedrick, Iowa.

LARGE, DARK ROSE COMB REDS. COCKERELS, pullets. Bargains. Sunnyside Farm, Havensville, Kan.

WE BREED S. C. RHODE ISLAND REDS exclusively. Cockerels \$1.50 to \$5.00. Thos. D. Troughton, Wetmore, Kan.

SINGLE COMB RHODE ISLAND REDS. Ox-Blood, Royal Red strain. Interesting catalog free. A. Harland, Shenandoah, Iowa.

THOROUGHbred ROSE COMB RHODE Island Red cockerels, dark, velvety, \$1.00 each. Mrs. Monie Wittsell, Route No. 3, Erie, Kan.

PURE BRED, GOOD COLORED, BIG boned Rose Comb cockerels from a strain of heavy egg layers. H. A. Sibley, Lawrence, Kan.

THOROUGHbred RED COCKERELS: both combs. Big dark reds, \$1 to \$5. Good show record. Plainview Poultry Yards, La Cygne, Kan.

MEIER'S WINNING SINGLE COMB REDS. Won first and fourth cockerels at World's Fair. Fine colored cockerels weighing 7 to 8 lbs. at \$2.50 and \$5.00. Satisfaction or money back. H. A. Meier, Abilene, Kan.

ORPINGTONS.

CHOICE S. C. BUFF ORPINGTON COCKERELS \$2.00 and \$3.00 each. Mrs. W. V. Wilson, Detroit, Kan., R. No. 2.

BUFF ORPINGTONS. A CHOICE LOT OF cockerels and cocks for sale. Can please you. August Petersen, Churdan, Iowa.

BUFF ORPINGTONS A SPECIALTY. Eggs and stock for sale from prize winners. O. H. Landrith, Greensburg, Kan.

S. C. WHITE ORPINGTON COCKERELS from two of the best blood lines in America. Aldrich and Kellerstrass strains. Grandsons of a \$1000 cock bird \$2 to \$5 each. John Vanamburg, Marysville, Kan.

OVERLOOK POULTRY FARM HAS SOME big boned fine colored Single Comb Buff Orpington cockerels at \$3 and \$5 each. Show cockerels a matter of correspondence. Chas. Luengene, Box B-149, Topeka, Kan.

ANCONAS.

ANCONA COCKERELS FOR SALE. O. L. Burnett, Council Grove, Kan.

ANCONA COCKERELS FOR SALE CHEAP. G. W. Skinner, Baxter Springs, Kan.

ANCONAS—GREAT FALL AND WINTER layers. Good dark cockerels at \$1.50; pullets \$1.25. Anna L. Heaton, Harper, Kan.

BUTTERCUPS.

BEAUTIFUL BUTTERCUP COCKERELS \$2 and \$3. Bronze turkey toms \$5, hens \$3. E. Bidleman, Kinsley, Kan.

BUTTERCUP POULTRY YARDS—SICILIAN Buttercup cockerels for exhibition or utility. W. C. West, R. 5, Topeka, Kan.

LANGSHANS.

BLACK LANGSHAN CKLS. \$1.00 AND UP. G. E. Oliver, Rolla, Kan.

FINE BLACK LANGSHAN COCKERELS. Burt Marcy, Fall River, Kan.

RHODE ISLAND WHITES.

FOR SALE—ROSE COMB RHODE ISLAND White cockerels. Mrs. C. B. Dooley, Larned, Kan.

PURE BRED ROSE COMB RHODE ISLAND Whites. Cockerels. Price reasonable. Eggs in season. Louis G. Frakes, Huron, Kan., Box 20.

SEVERAL VARIETIES.

HIGH SCORING R. C. REDS, WHITE Holland turkeys. Roy Davison, Sabatha, Kan.

HIGH SCORING BLACK LANGSHANS AND White Holland turkeys for sale. Mrs. U. G. Mason, Keytesville, Mo.

CHOICE R. I. REDS AND GOLDEN WYANDOTTES, farm raised. Pens, trion, or single. Virginia McKinley, Junction City, Kan.

PARTRIDGE WYANDOTTES, RHODE ISLAND Whites, Buff Leghorns; hens cheap if taken soon. Wait Eddy, Havensville, Kan.

S. C. BUFF ORPINGTON COCKERELS \$1, \$2, \$3. Pullets \$10 doz. Bourbon Red toms \$5. All pure bred. Mrs. Nannie Wright, Newton, Kan., R. No. 6.

CHOICE TOULOUSE GEESE! FINE breeders. Few extra good Barred Rock pullets, Thompson strain. Mrs. Tom Curd, Route 4, Lawrence, Kan.

MAMMOTH WHITE HOLLAND TURKEYS. TOMS \$3.00 each. HENS \$2.00 each. White Embden ganders \$3.00 each. White Wyandotte cockerels \$1.00 each. Alice Sellers, Mahaska, Kan.

S. C. WHITE ORPINGTONS AND S. C. Rhode Island Reds. Fancy and utility stock. As good as the best. Prices right, satisfaction guaranteed. Hillside Poultry Ranch, St. Edward, Neb.

40 MAMMOTH BRONZE GOBLERS! Deep-breasted, heavy boned kind. Extra well bronzed. TOMS \$3. HENS \$2. Also 20 extra good Fawn-White Runner drakes at \$1 each. Mrs. Bert Cordry, Haddam, Kan.

BREEDERS CHEAP IN ALL VARIETIES Leghorns, Wyandottes, Rhode Island Reds, Orpingtons, Langshans, Cochins, Brahmas, Rocks, Bantams, ducks, geese, turkey and Pearl and White guineas. Bare Poultry Co., Box 819, Hampton, Iowa.

POULTRY WANTED.

TURKEYS.

Ship us your turkeys, ducks and geese. Remittance made same day shipment is received. Edw. E. Withey, 1610 Van Buren St., Topeka, Kan.

LIVE STOCK

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

WANTED—TWO SHROPSHIRE BUCKS. John L. Boles, Liberal, Kan., Route C.

JERSEY BULLS, POLAND BOARS, PIGS in pairs. Prices reasonable. Laptad Stock Farm, Lawrence, Kan.

SHETLAND PONIES, SIXTY HEAD TO choose from. Special prices for Christmas. Charles Clemmons, Coffeyville, Kan.

HIGH GRADE HOLSTEIN CALVES, either sex, 3-4 weeks old. \$17 each, crated. Burr Oak Farm, Whitewater, Wis.

FOR SALE—REGISTERED GALLOWAY bulls. Address Fashion Plate, Silver Lake, Kan.

IMMUNED DUROCS. PLENTY OF spring boars and gilts. Best of breeding. Stock guaranteed. D. H. Axtell, Sawyer, Kan.

FOR SALE—REGISTERED JERSEY bulls, \$50.00 each. V. E. Swenson, Little River, Kansas.

MARRIAGE RANCH, CO-OPERATIVE Christian colony. Big returns guaranteed. Registered Angus bulls. Kiowa county, Kansas.

FOR SALE—ONE REGISTERED JERSEY bull calf, one month old. \$50.00. He is second to none in breeding. C. L. Aikman, El Dorado, Kansas.

100 HOLSTEIN GRADE HEIFERS AND cows. Splendid cattle at right price. Must be seen to appreciate. In writing state ages and number wanted. Paul E. Johnson, South St. Paul, Minn.

SEEDS AND NURSERIES

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

DWARF WHITE HULLED KAFFIR, AND Shumak cane seed, each \$1 bushel. Charlie Clemmons, Verden, Okla.

APPLE TREES 4 CTS. PEACH TREES 5 cts. Salesmen wanted in Mo., Ark. and Kansas. Home Nursery Co., Elkins, Ark.

SWEET CLOVER—PURE UNHULLED white blossom 18c lb. delivered. Sudan grass seed 12c lb. delivered. Large quantities less. Claycomb Seed Store, Guymon, Okla.

PLANTERS TREES—SOLD BY THE MILLION to nurseries for twenty years. Now straight to you. Save three profits. Pay after you see trees. Write today. Planters Co., Box 4, Winfield, Kan.

LANDS

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

320 IMPROVED; CLOSE; WHEAT. \$4800, terms. Kendall, owner, Colby, Kan.

TWO FARMS IN ELK CO. TO TRADE FOR wheat land in central Kan. Box 77, Argonia, Kan.

FOR SALE OR TRADE. 22½ ACRES Joining Abilene, and 5 lots. C. Sidesinger, Abilene, Kan.

FOR SALE—100 A. IMPROVED FARM IN Leavenworth Co., Kansas. Wm. Somers, Jarbalo, Kan.

EIGHTY ACRES—OTTAWA COUNTY, TO trade for large gas tractor. S. B. Vaughan, Newton, Kansas.

WANT A HOME? FINE 320 ACRE HOME—stead relinquishment for sale. Box 5, Goodland, Kansas.

CALIFORNIA SACRAMENTO VALLEY IMPROVED farm for sale. Terms. Write E. R. Waite, Shawnee, Okla.

FRUIT FARM; IMPROVED. CLOSE IN. Producing apples, grapes, cherries. Smooth; cheap. Beattie, Seligman, Mo.

FOR SALE 51 FARMS IN SEDGWICK and Sumner counties; few snaps. Write today for descriptions. Geo. R. Fultz, Wichita, Kan.

SELL YOUR PROPERTY QUICKLY FOR cash. No matter where located. Particulars free. Real Estate Salesman Co., Dept. 5, Lincoln, Neb.

FOR SALE: 120 ACRES IRRIGATED, bottom land, 1½ miles from town of 4,000 people. Price \$5,000.00. A bargain. Owner, B. F. Cooper, Lamar, Colorado.

LAND—HALF SECTION EXTRA SMOOTH wheat land, thirteen miles northwest of Lakin, Kan., \$7.50 per acre. C. A. Peebles, 308 West Cedar St., Dodge City, Kan.

FREE 320 ACRE COLORADO HOME—steads almost gone. Last chance for free farms. Fine water. Rich loam soil. Write Smoke & Ray, Box 595, Pueblo, Colorado.

IMPROVED FARMS OF 120 TO 320 ACRES for sale with small payment down and long time on balance. Better than rent. Own your farm. Finch & Rice, El Reno, Okla.

WANT ALL KINDS OF EAST COLO. AND western Kansas lands, city properties. Listed that will consider exchange. Give full particulars first letter. Progressive Realty Co., Greeley, Colo.

TO TRADE FOR WESTERN LAND TWO lots on east Normal Avenue, Hays, Kansas, also complete threshing outfit, all property clear of incumbrance. Albert Devore, Gorman, Kan., Rt. No. 2.

600 ACRES, MOSTLY BOTTOM. FINE IMPROVEMENTS. 2 sets. Rich corn land, well manured. 40 acres alfalfa. 2½ miles good town in Lyon Co., Kan. \$60.00 per acre. Box 22, R. R. 1, Reading, Kan.

FREE GOVERNMENT LAND. 250,000 acres Arkansas now open to homestead entry. Send 50c for revised township map of state and copy Homesteaders Guide Book. L. E. Moore, Little Rock, Ark.

PRODUCTIVE LANDS; CROP PAYMENT or easy terms along the Northern Pac. Ry. in Minn., N. D., Mont., Idaho, Wash. and Ore. Free literature. Say what state interests you. L. J. Bricker, 46 Northern Pac. Ry., St. Paul, Minn.

FOR SALE OR TRADE. 260 ACRES, ALL good level land, 140 acres cleared, balance in good hard wood timber, 2 houses, one 9 rooms, one 4 rooms, barns and other outbuildings. Price \$50 an acre. J. C. McKeeman, Lonoke, Arkansas, owner.

220 ACRES IN SWEET CLOVER AND prairie grass; will market about \$2,000.00 of clover seed this year; this land has a full water right from good ditch; right at station; incumbered for \$22.00 per acre; will trade for clear property, farm or city. F. J. Cretcher, Holly, Colo.

FARMS, STOCK RANCHES, GRAZING AND unimproved land, fruit and garden tracts, for sale, trade or rent; request free list; United States or Canada; mention requirements and location preferred; register your unsold property. 647 Farmers' Exchange, Denver, Colorado.

FOR SALE—THE BEST CATTLE LAND and beef making proposition in the Southwest, my ranch of twenty-five thousand acres well watered, improved and equipped. Price one hundred and fifty thousand dollars. One thousand steers now here to be matured and fattened. Could take care of four times that many. John Plummer, Johnson, Stanton county, Kansas.

FARMS WANTED

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

WANTED—TO HEAR FROM OWNER OF good farm or unimproved land for sale. H. L. Downing, 111 Palace Bldg., Minneapolis, Minn.

I HAVE SOME CASH BUYERS FOR SALE-able farms. Will deal with owners only. Give full description, location, and cash price. James P. White, New Franklin, Mo.

FARMS WANTED. WE HAVE DIRECT buyers. Don't pay commissions. Write describing property, naming lowest price. We help buyers locate desirable property free. American Investment Association, 28 Palace Bldg., Minneapolis, Minn.

I WANT FARM IN EASTERN OR N. E. Kansas, good water, and well improved, and close to good town; will take some rough land; will exchange fine 8 room and double 7 room modern, pressed brick homes in this city, close in, and clear. H. P. Williams, 1303 E. 26 Ave., Denver, Colo.

WANTED TO HEAR FROM OWNER OF good farm for sale. State cash price and description. D. F. Bush, Minneapolis, Minn.

FARM WANTED—PRACTICAL AND CAPABLE man with family of fine boys and grown daughter wants to rent a good well equipped stock farm on percentage basis. Farm must be located where corn and blue grass will grow. Can handle 300 to 500 acres without outside help. Can erect any kind of building. Will call for personal interview any time after Dec. 15. Address Benton Steele, Box 17, Halstead, Kan.

FOR SALE

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

GOOD SMALL GAS TRACTOR \$325. S. B. Vaughan, Newton, Kansas.

FOR SALE—HEDGE POSTS; CARLOTS. H. W. Porth, Winfield, Kan.

FINE TOPEKA HOME FOR SALE—I WILL sell my place in Topeka, located on the most beautiful street in the city, near limits of city, two blocks from street car, two blocks from fine school, fine old shade, park like surroundings, lot 61½ by 205 feet, eight room house, modern in every detail, hardwood finish, four fine mantels and grates, of oak, brick and tile, big sleeping and dining porch, both screened, barn, poultry houses, etc., etc. Fine place for farmer who wants to move to the capital city. Price \$5,500, worth more. Cash or terms. Interest only 6 per cent instead of the usual 7 per cent. No trade. Address R. W. E. care Mail and Breeze.

FOR SALE OR TRADE

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

PRATT CITY PROPERTY FOR SALE OR trade for land or stock. Wilbur King, Cullison, Kan.

BIG 4-30 TRACTOR WITH PLOWS FOR sale or trade on western Kansas land. John E. Carlson, McPherson, Kan., Rt. No. 5.

FOR SALE OR EXCHANGE, REGISTERED Percheron stallion, one black jack, one jennet in foal. Improved 80 a. farm. E. Gathers, Maple Hill, Kan.

WHAT HAVE YOU GOT TO TRADE? WE can match any thing with merit, come on with your clear farms, and merchandise. Bronston & Sons, Garnett, Kansas.

BUSINESS CHANCES

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

FOR SALE. \$2,000 TRUNK STORE AND factory. Great chance. G. W. Alford, Hutchinson, Kan.

FOR SALE—ONE OF THE BEST LOCATED real estate offices in Topeka. Very favorable lease and will sell at sacrifice. Address Lock Box 67, Topeka, Kan.

FREE FOR SIX MONTHS—MY SPECIAL offer to introduce my magazine "Investing For Profit." It is worth \$10 a copy to anyone who has been getting poorer while the rich, richer. It demonstrates the real earning power of money, and shows how anyone, no matter how poor, can acquire riches. Investing For Profit is the only progressive financial journal published. It shows how \$100 grows to \$2,200. Write now and I'll send it six months free. H. L. Barber, 425-28 W. Jackson Blvd., Chicago.

BEES AND HONEY

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

2-60 POUND CANS ALFALFA EXTRACTED honey \$3.40. V. N. Hopper, Las Cruces, N. Mex.

FOR SALE. NEW HONEY. SAMPLE AND prices on application. Glen C. Voorhees, Tranquillity, Calif.

PURE HONEY—60 POUND CAN, \$6.25; two 60-pound cans, \$12. Freight prepaid to any station in Kansas. Sample, 10 cents. H. L. Parks, Wichita, Kan.

CHRISTMAS PRESENT WORTH WHILE. Prepaid to your friends, fancy white extracted honey, 10-lb. \$1.50, 36-lb. \$4.40, 60-lb. \$6.50, Amber (dark) 10-lb. \$1.25, 36-lb. \$3.50, 60-lb. \$5.25. Bert W. Hopper, Rocky Ford, Colo.

FURS AND HIDES

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

SELL US YOUR FURS AND HIDES. Highest prices. Honest and liberal grading. Prompt returns. An old reliable house for all shippers. Satisfaction guaranteed. Send for special price list at once. Ohman & Sons Co., Box 748, Cedar Rapids, Iowa.

AGENTS

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

GET AGENCY NOW LOWEST PRICED also in the world. Successfully used six years. Liberal commissions. Booklet, Bonita Farm, Raymore, Mo.

AGENTS MAKE BIG MONEY. THE BEST line of food flavors, perfumes, soaps and toilet preparations, etc., ever offered. Over 250 light weight, popular priced quick selling necessities—in big demand—well advertised—easy sellers—big repeaters—100% profit. Complete outfits furnished free to workers. Just a postal today. American Products Co., 4483 American Bldg., Cincinnati, O.

CREAM WANTED

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

CREAM WANTED—THE INDEPENDENT Creamery Company of Council Grove, Kansas, buys direct from the farmer. Write for particulars.

PET STOCK

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

WHITE AFRICAN RABBITS. RENA Thomas, Canton, Kan.

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

BRED BELGIAN HARES. ALL KINDS. L. V. Carr, Garden City, Kan.

PATENTS

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

PATENTS THAT PAY. \$600,812 CLIENTS made. Searches. Advice and two books free. E. E. Vrooman & Co., 885 F, Washington, D. C.

PATENTS SECURED THROUGH CREDIT system. Free search. Send sketch. Book and advice free. Waters & Co., 4215 Warder Bldg., Washington, D. C.

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

PATENT WHAT YOU INVENT. IT MAY be valuable. Write me. No attorney's fee until patent is allowed. Estab. 1882. "Inventor's Guide" free. Franklin H. Hough, 532 Loan & Trust Bldg., Washington, D. C.

IDEAS WANTED—MANUFACTURERS ARE writing for patents procured through me. Three books with list hundreds of inventions sent free. I help you market your invention. Advice free. R. B. Owen, 34 Owen Bldg., Washington, D. C.

MEN OF IDEAS AND INVENTIVE ABILITY should write for new "List of Needed Inventions." Patent Buyers, and "How to Get Your Patent and Your Money." Advice free. Randolph & Co. Patent Attorneys, Dept. 25, Washington, D. C.

WRITE FOR LIST OF PATENT BUYERS who wish to purchase patents and what to invent with list of inventions wanted. \$1,000,000 in prizes offered for inventions. Send sketch for free opinion as to patentability. Write for our Four Guide Books sent free upon request. Patents advertised free. We assist inventors to sell their inventions. Victor J. Evans & Co., 825 Ninth, Washington, D. C.

HELP WANTED

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

THOUSANDS GOVERNMENT JOBS NOW obtainable. List free. Franklin Institute, Dept. E 51, Rochester, N. Y.

WANTED—EXPERIENCED GARDENER with family to garden on share; foreigner preferred. Write C. A. Shinn, Concordia, Kan.

I CONDUCTED GOVERNMENT EXAMINATIONS. Can help you secure railway mail or other government positions. Trial examination free. Ozment, 38R, St. Louis.

YOUR IDEAS MAY BRING YOU WEALTH. If patented through credit system. Send sketch. Free search. Book free. Waters & Co., 4215 Warder Bldg., Washington, D. C.

THOUSANDS U. S. GOVERNMENT JOBS now open to farmers—men and women. \$65 to \$150 month. Vacations. Pleasant work. Steady employment. Pay sure. Common education sufficient. Write immediately for free list of positions now obtainable. Franklin Institute, Dept. E 51, Rochester, N. Y.

MALE HELP WANTED

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

GOVERNMENT FARMERS WANTED. \$60 to \$125 monthly. Free living quarters. Write Ozment, 38F, St. Louis.

MOLER BARBER COLLEGE. MEN WANTED. Special fall rates. Write for free catalogue. 514 Main St., Kansas City, Mo.

SALESMEN WANTED FOR FRUIT AND ornamental trees. Experience unnecessary. Outfit free. Pay weekly. The Lawrence Nurseries, Lawrence, Kan.

WE GUARANTEE YOU A GOOD POSITION paying from \$15 to \$25 per week by taking a course in Stahl's Institute of Watchmaking and Engraving. 207 Altman Bldg., Kansas City, Mo.

MOTORMEN—CONDUCTORS; \$80 MONTHLY. Interurbans everywhere. Experience unnecessary; qualify now. State age. Booklet free. Electric Dept., 812 Syndicate Trust, St. Louis, Mo.

RAILWAY MAIL CLERKS WANTED. \$75.00 month. Examinations coming everywhere. Specimen questions free. Write immediately. Franklin Institute, Dept. E 51, Rochester, N. Y.

SALEMEN FOR HIGH-CLASS TOBACCO factory; experience unnecessary. Good pay and promotion for steady workers. Complete instructions sent you. Piedmont Tobacco Co., Box Q-36, Danville, Va.

FIREMEN AND BRAKEMEN: \$100 monthly. Experience unnecessary. Hundreds needed by the best railroads everywhere. Particulars free. 796 Railway Bureau, East St. Louis, Ill.

Cost of Horse Labor

The annual cost of keeping a horse was found to be \$90.40 in Rice county, Minnesota; \$87 in Lyon county and \$75.07 in Norman county. These figures are averages for the years 1904-1907. In Rice county these charges were as follows: Interest on investment \$5.54, depreciation \$5.56, harness depreciation \$2.10, shoeing \$1.42, feed \$63.49, labor \$11.88 and miscellaneous 40 cents, making a total of \$90.40. These costs have increased. This emphasizes the need of keeping horses busy and of having no idlers on the farm.

A Christmas Gift Worth While

You can very easily and very properly solve the what-to-give problem by remembering your friends at Christmas time with a free year's subscription to Mail and Breeze.

Hundreds of our readers every year have found this the best \$1.00 gift that they could find anywhere. One Dollar will pay for a whole year's subscription to this big weekly—a gift your friends will appreciate and a gift that will remind them of you every issue from one Christmas to the next.

Send us a list of your friends to whom you desire us to send the Mail and Breeze for one year. Send the regular subscription price of \$1.00 for each name and we will do the rest. It is even unnecessary for you to tell your friends about your gift unless you desire to do so, as we will mail to each of your friends a Neat Christmas Announcement carrying this message.

With the compliments and best wishes of..... you will receive the Mail and Breeze for one year. We hope that you will find this big weekly as valuable to you as it has been to your friend, and we trust that each copy you receive will be a pleasant reminder of the friend who sends you this Christmas remembrance. The Mail and Breeze, Topeka, Kansas.

One of these announcements will be mailed to each of your friends so as to reach them on Christmas Eve or Christmas morning. Send in one or more names at once, with remittance at the rate of \$1.00 each, so that we can have plenty of time to enter the new subscription, to start with the first issue of the new year and time to mail the announcement to your friends. You may be sure that this is a gift which will be appreciated—one that will be giving valuable service after most other gifts are forgotten. Address your orders to the Mail and Breeze Gift Dept., Topeka, Kan.

A stitch of prevention may save a \$9 doctor bill.

MISCELLANEOUS

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

WANTED POSITION ON FARM BY young man. Reference furnished. Rollie Kelley, Waverly, Kan.

PECANS FOR SALE. ONLY ELEVEN cents per pound. Satisfaction guaranteed. William Zuck, Stillwater, Okla.

CHRISTMAS HOLLY OR MISTLETOE. Generous packages postpaid 25 and 50 cents. E. W. Glickerson, Conroe, Texas.

A USABLE SHORT FORM DEED BLANK with twenty legal instructions on back, twenty-five cents less to record. Remit two cents. E. W. Alberty, Pittsburg, Kansas.

CHOICE SELECTED PECANS AT 15¢ PER pound parcel post, up to 15 pounds. 15 to 100 pound lots at 12½¢ by freight, securely sacked. E. J. Dickerson, Tecumseh, Okla.

CHRISTMAS MONEY—WE BUY YOUR old copper, brass, rubber boots and shoes, rags, auto tires and tubes, anything in the junk line. Write for prices. Buckley Bros., Lyons, Kan.

LUMBER—WE SHIP TO CONSUMERS AT wholesale. Send us your itemized bills for estimate. Lowest prices on Bois D'Arc cedar and oak posts. Telephone poles and piling. McKee Lumber Co. of Kansas, Emporia, Kansas.

BIG BARGAIN FOR SHORT TIME ONLY. Send only 10 cents and receive the greatest farm and home magazine in the Middle West for six months. Special departments for dairy, poultry and home. Address Valley Farmer, Arthur Capper, publisher, Dept. W. A. 10, Topeka, Kansas.

BLACK WALNUTS—400 BUSHELS NICE fresh black walnuts at 80 cts. a bushel, sacked or barreled and delivered at express or freight office. Put up in 1 and 2 bu. sacks and 3 and 4 bu. barrels. Pecans 10 cts. lb. Finest peanut butter, 1 lb. 20c, 2 lbs. 35c, 4 lbs. 65c, 8 lbs. \$1.20. All good Christmas presents. Write today for circulars. Henry S. Jefferies, Ottawa, Kan.

BIG BARGAINS IN REAL ESTATE

Dealers whose advertisements appear in this paper are thoroughly reliable and the many bargains are worthy of your consideration

Special Notice All advertising copy discontinued or 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.

IMP. 40. all cult.; lays good, \$3200; 3 1/2 mi. out. Decker & Booth, Valley Falls, Kan.

160 A. Hamilton Co. raw grass land, \$4.50 a. No trade. Walter & Patton, Syracuse, Kan.

480 A. ALL GRASS. Every acre can be cult. \$12.50 per acre. Box 215, German Colonization Co., Plains, Kansas.

207 ACRES, all grass. Abundance spring water; 4 1/2 miles of two railroads; \$29 an acre. J. B. Fields, Alma, Kan.

FOR BUSINESS, homes or farms at Baldwin, Kan., seat of Baker University, write D. E. Houston & Co. Some trades.

IMPROVED Jewell Co. 240 acre farm close to school. Water good. Price \$35 per acre. J. H. King, Cawker City, Kan.

IMPROVED FARMS; alfalfa, corn, wheat and pasture land. \$26 a. up. S. L. Karr Real Estate Co., Council Grove, Kan.

LYON CO., KAN., combined, corn, alfalfa and stock farms. For list write E. B. Miller, Admire, Kansas. Some trades.

COFFEY COUNTY, Eastern Kansas. Good alfalfa, corn, wheat and tame grass lands. List free. Lane & Kent, Burlington, Kan.

WHEAT, OATS, CORN, ALFALFA lands. Famous Sumner County, Kansas. 1/2 wheat with farms. H. H. Stewart, Wellington, Kan.

1/2 SEC., 200 cult., 80 alfalfa, bal. pasture, well improved, spring and well. \$18,000. Terms. Hill & Murphy, Holsington, Kan.

HOME FARM 320, well imp. All good land. Fine growing wheat; possession any time. Big snap at \$6500, no trade, other farms. Buxton & Rutherford, Utica, Ness Co., Kan.

FOR LAND BARGAINS write or call on Towanda Realty Co., Towanda, Kan.

160 A. improved, good upland farm, 4 miles out; \$55.00 a. Easy terms. J. M. Conlan, St. Marys, Kansas.

FOR REAL ESTATE BARGAINS in the great Neosho Valley, see or write S. M. Bell, Americus, Kansas.

1,440 ACRE RANCH, improved, \$10 per acre, terms. 380 acre ranch near city, \$15. Cliff Tomson, Syracuse, Kan.

NORTHEAST KAN. Good improved farms in bluegrass section, \$50 to \$100. Send for list. N. Compton, Valley Falls, Kan.

THREE QUARTERS ON R. R. 7 r. house, 2 barns, running water. Must sell to close an estate. Price \$35.00 an acre. J. W. Carson, 1025 Clay St., Topeka, Kan.

WESTERN KANSAS land. Good wheat farms near Bucklin, Ford Co. Easy terms. Stevens and Haskell county land cheap. Good terms. H. J. Spore, Bucklin, Kansas.

160 A. 2 mi. from R. R. town; 80 a. corn, 10 a. alfalfa, 15 a. hog pasture, bal. pasture and meadow; 6 room house, good barn; well and cistern. Very cheap, if sold soon. \$45.00 per acre. Rosenquist & Renstrom, Osage City, Kan.

TREGO CO. 160 acres 8 miles from Ransom, 80 acres in cultivation, 80 acres fine grass; 40 acres more tillable on main road and telephone line. Don't wait to write, come and see this. Price \$1,600.00. V. E. West, Ransom, Kansas.

160 ACRES, 5 miles of Ottawa, every acre nice, smooth, tillable land; 60 acres in fine blue grass, timothy and clover pasture; 14 acres alfalfa; 25 acres timothy and clover meadow; good 1 1/2 story, 9 room house good barn, chicken house, hog house, corn crib for 5000 bushels of corn, fenced hog tight. Price \$75 per acre. \$3,000 cash, remainder long time at 6%. Casida & Clark, Ottawa, Kansas.

800 ACRE TRACT NICE WHEAT LAND. \$4000. Terms. J. A. Jackson, Syracuse, Kan.

160 A., 3 1/2 MI. OUT. IMP. FAIR. 130 cult., 30 grass, good water, fenced. Second bottom. \$10,500. Mtg. \$4,000, 6%. Ed A. Davis, Minneapolis, Kan.

80 A. WELL IMPROVED, \$55 A. Well located town and school. \$12.00 down. 40 a. imp. Snap, \$40.00 acre; terms. P. H. Atchison, Waverly, Kan.

WE OWN 13,600 ACRES IN FERTILE Pawnee valley, smooth as a floor; best alfalfa and wheat land on earth; five sets of improvements; shallow water; will sell 80 acres or more. Frizell & Ely, Larned, Kansas.

160 ACRE FARM well located, rich dark soil, 4 miles good railroad station, 5 room house, large barn, corn crib, nice shade, well, cistern, price \$65.00 per acre.

80 ACRES 4 miles Ottawa, 7 room house, good barn, crib, well, close to school, main traveled road, extra good proposition, priced right for immediate sale. Write for full description and booklet describing farm bargains.

Mansfield Land Company
Ottawa, Kansas.

2—Rare Bargains—2
Choice level 160 a. farm. \$4 a. cash. Also well imp. alfalfa farm 168 a. Perfect title. Immediate possession. \$50 a. Terms. Western Real Estate Exchange Co., Syracuse, Ks.

FARMS FOR SALE

In the best alfalfa and corn county of the State; good, productive, well-improved farms from 40 to 640 acres in size and at from \$35 to \$75 per acre. You can't beat them for price or products anywhere. Close to town and graded and rural high schools. Can suit you in any size farms. Come and see or write Wm. E. Dannefer, Lovewell, Jewell Co., Kan.

640 Acres 240 acres cult., bal. hay and blue grass pasture. 90 per cent tillable, good location. Good improvements, two miles of Waverly. \$50 acre; carry \$20,000 long time 5%. W. H. Lathrom, Waverly, Kan.

FINE STOCK FARM 320 acres, \$37.50 per a. 3 miles from good high school town. Near Emporia; highly improved, best corn, alfalfa, blue grass grows on this farm. Write for list of farms for sale. T. B. Godsey, Emporia, Kansas.

\$60 Buys Land Worth \$80
160 a. 10 mi. E. Topeka. 80 a. cult. 2nd bottom. 80 a. pasture. All tillable. 25 a. alfalfa. 8 room house. Large barn. Never-failing water. Terms. Stephenson & Webb, Topeka, Kansas.

3 Good 80's within 3 miles town; fair improvements, at \$90 to \$100. Good quarters, well improved, \$85 to \$85. Don't write but come and see. Mollohan Land Co., Peabody, Kan.

80 Acres Only \$1600
Only 7 mi. Wichita. Good, smooth black loam soil. Plenty bldgs. Possession at once. Only \$5,600; only \$1,600 cash, time on bal. R. M. Mills, Schwellert Bldg., Wichita, Kan.

LANE CO.

If you want to buy a farm or ranch, in the coming wheat, corn and stock county of the West, write me as we have bargains from \$8.00 to \$25 per acre. Both improved and unimproved. Let me know what size farm you want and how much you want to pay on the same. W. V. Young, Dighton, Kansas.

CHASE COUNTY STOCK RANCH
640 acres 2 miles from shipping point. 100 acres best creek bottom, 75 acres alfalfa, timber, creek. 540 acres best bluestem pasture, running water, splendid improvements. No overflow, no gumbo, best combination in the county. Price \$25,000.00, liberal terms. J. E. Bocook & Son, Cottonwood Falls, Kansas.

Fine Equipped Dairy Farm in Dickinson County, Kansas
22 acres, modern equipments, large cement floor barn, 25 stanchions; 2 large silos; poultry house, elegant 8 room modern house, 5 room tenant house; all new, electric light; elegant water. Price \$9,500; \$5,000 cash. Big money maker. Ill health cause for selling. Within 4 blocks of paved streets. Is truly one bargain. Write BRINEY & PAUTZ, ABILENE, KANSAS.

FOR SALE OR EXCHANGE

LANDS TO TRADE for general merchandise. J. M. Denning, Park, Kansas.

LAND and mdse for sale or exchange. Co-operative Realty Co., Humansville, Mo.

TRADES EVERYWHERE. Exchange book free. Bersie Agency, El Dorado, Kan.

LANDS for sale and exchange for western lands. John Goff, Willow Springs, Mo.

TO EXCHANGE: 970 a. stock and grain farm in Eastern Kansas. Box 275, Iola, Kan.

240 ACRES all bottom land, well imp., to trade. Youngs Realty Co., Howard, Kan.

E. KANSAS farms in Catholic settlements. Exc. Frank Kratzberg, Jr., Greeley, Kan.

IMP. FARMS, some in Catholic settlement. Exc. Severn & Hattick, Williamsburg, Kan.

BEST exchange book in U. S. 1,000 nonest trades. Graham Bros., Eldorado, Kan.

HEADQUARTERS for best wheat and alfalfa lands in Kansas; will exchange and assume. Jones Land Co., Sylvia, Kansas.

BIGHAM & OCHILTREE sell and trade best corn, alfalfa, wheat land in U. S. Write for list. 116 N. 8th, St. Joseph, Mo.

THREE HIGHLY IMPROVED alfalfa and grain farms, eastern Kansas; encumbered one-third value. Want cash or clear property. Nathan Tate, Howard, Kansas.

IMPROVED and unimproved farms and ranches for sale or trade. Send for list. Bader & Webster, Junction City, Kan.

CLEAR \$11,000 FARM, Anderson County, Kan. Want merchandise. Large list of exchanges. T. M. Holcomb, Garnett, Kansas.

FOR EXCHANGE: Good, well improved stock and grain farm. 800 acres, two and one-half miles south of Fort Scott, Kansas, on macadamized rock road, for Central or Western Kansas wheat land. Martin Miller & Co., Fort Scott, Kansas.

SUMNER COUNTY FARMS

160 a. 2 mi. of R. R. town; soil, black loam, all broke except 30 acres pasture; nice orchard, good water. Good corn, alfalfa or wheat land. A real bargain; only \$6800. Terms on part. E. S. Brodie & Co., Wichita, Kan.

Live Wire Land Bargains

80 a. 3 mi. good R. R. town, Sumner Co., Kan., no imp. 70 a. cult., all tillable, \$3500. 120 a., joins good town, 100 a. cult., fine house and barn, fine land, \$12,000. 80 a. 16 mi. Wichita, well imp., will exchange for western land. 400 a. Walnut River, 200 a. bottom, balance timber and pasture, 100 a. alfalfa, good imp., \$50 per a. 800 a. well imp., 200 a. in cult., balance pasture and meadow, all fenced, \$30 per a., will exchange for smaller farm. Live Wire Realty Co., Wichita, Kansas.

GRAHAM CO. HALF SECTION

1/2 mi. east of Morland, Kan., townsite. One of best corn, alfalfa and livestock farms in N. W. Kan. 160 a. cult., 160 pasture and hay land. 200 a. creek and river bottom. All fenced and cross fenced. 20 a. pasture lots under hog fence; 2 hog houses. Good young bearing orchard. Fine grove around house; young shade trees coming on. 8 room frame house; barn room for 15 head, and 2 vehicles. Good well on porch; windmill at barn. Good springs in pasture. Good school in Morland. J. E. Thompson, Morland, Kan.

Ness County Lands

Good wheat and alfalfa lands at \$15 to \$25 per acre. Fine crops of all kinds in 1914 and better crops in 1915. No better soil in Kansas. Land in adjoining counties on the east \$40 to \$75 per acre. Buy here while land is cheap. Write for price list, county map and literature. No trades. Floyd & Floyd, Ness City, Kansas.

FLORIDA

FLORIDA LANDS

Wild and improved, from 40 acres to 100,000 acres. Colonization tracts and grazing lands a specialty. Refer to any bank here. Arthur T. Williams, Jacksonville, Fla.

IDAHO

FINE IRRIGATED ORCHARDS.

Size to suit. Apples or prunes, some young, some bearing. Splendid climate. Big profits. Prices reasonable. Also farms and stock ranches. Get our prices. H. W. Arnold & Co., Boise, Idaho.

ARKANSAS

WRITE Dowell Land Company for bargains in Arkansas lands. Walnut Ridge, Ark.

40 ACRES, \$650. \$250 down, bal. four years. L. E. Smith, Lockesburg, Arkansas.

ALFALFA, cotton and corn farms. Easy terms. S. P. Thompson, Marked Tree, Ark.

60 ACRE FARM, 20 cultivated, house, orchard, spring, \$750. Terms, \$200 down. Big list free. Ward, Mountain Home, Ark.

DO YOU WANT to buy, sell or trade land, houses, mdse., anywhere? Owners only, no commission. C. D. Haney, Bentonville, Ark.

ARKANSAS LAND. Write us for prices and information about our products. H. H. Houghton & Son, Jonesboro, Arkansas

260 ACRES, well located, well improved farm. Price \$6000; \$1000 cash, terms on balance. P. H. Thompson, Ft. Smith, Ark.

NEW RAILROAD, new town, cheap lands in the Ozarks. For information write C. C. Feemster, Immigrant Agent for the Ozarks Railway Co., Mountain Home, Ark.

WRITE FOR OUR BOOKLET "Bearden, the Eden of Arkansas." No rocks, hills, swamps, or overflows. Very healthy climate. Good lands. J. A. McLeod, Bearden, Ark.

160 A. black sandy loam, 1/2 in cultivation. Grow corn, wheat, oats, alfalfa, cotton. \$40 acre. Pike and railroad. Polk Real Estate Co., Little Rock, Ark.

WRITE FOR FREE "WARRANTY DEED" of farm bargains, improved, \$4.00 per acre and up. New Home Land Co., Opposite Union Station, Little Rock, Ark.

OZARK COUNTRY HOMES. The Yellville News & Mining Reporter tells about them. Also of Ark. Zinc Field. Correct information weekly, \$1 a year. Get posted before you come. Address, Yellville, Ark.

ARKANSAS—5,000 acres, fine level valley land; any size tract \$6 to \$12 per acre; third cash, bal. 9 yearly payments. Write for literature. Shaeffer Land Company, 641 Reserve Bank Bldg., Kansas City, Mo.

154 ACRES, 40 a. cult., 50 more can be; spring, 4 room house, good outbuildings. Handy to school and railroad. 6 miles railroad. Price \$750.00. Free list. W. J. Copp, Calico Rock, Ark.

1,000 ACRES in high fertile valley; 300 acres in cultivation. Unlimited stock range. Spring water and railroad through farm. \$15.00 per acre. Will divide. L. P. Coleman, Little Rock, Ark.

180 ACRES; 160 cult. 5 room res. 4 room tenant house; very rich loam. 6 miles of Jonesboro; rock road, R.F.D., phone. One of the best farms in Arkansas for the money. Price \$40.00 per acre. Terms. Southern Land & Loan Co., Jonesboro, Ark.

FARMS as low as \$5 and \$10 per acre, located at the foot hills of the Ozark Mountains, in Independence Co., Ark. Description sent for the asking. Wright Half-acre Real Estate Co., Batesville, Ark.

BIG CREEK VALLEY LAND, sure crops corn, oats, wheat, clover, alfalfa. \$10 to \$50 per acre. No swamps, rocks, mountains, alkali or hard pan. Fine climate, water, schools, churches, neighbors and markets. Northern settlement, 15,000 acres already sold to satisfied homeseekers. Cash far returned, if not as represented. Cash or long time, easier than paying rent. Write for free map and booklet. Tom Blodgett, Little Rock, Arkansas.

200 Acres slightly improved. 2200 fruit trees. 6 miles of Monticello, Ark. \$50 per a. Easy terms. Address William Beggs, Owner, Monticello, Ark.

COLORADO

BIG SURE CROPS grown on \$75 irrigated land. Finest climate. No trades. O. Gale, 108 N. Nevada, Colorado Springs, Colo.

FOR SALE: Fruit tracts and irrigated farms in Northern Colorado. Write me what you want. A. H. Goddard, Loveland, Colorado.

LAND FOR SALE. If some of you fellows that are looking for land don't come out here pretty soon and get some of the \$10 and \$15 Russian thistle land, I am going to quit telling you about it. I have herded sheep for a living and can do it again. Harry Maher, Deer Trail, Mo.

MINNESOTA

MINNESOTA STOCK FARM. 640 acres good level land, black loam, deep clay subsoil. Every foot plow land. 400 acres under cultivation, 80 a. red clover, 30 a. timber, balance upland hay and pasture. Good 7 room house, 2 large stock barns, 2 wells with windmill, 10,000 bu. granary, blacksmith shop, hog barns, machinery shed. Near school, church and creamery. Only \$35 per acre on terms. W. J. Westfall Land Co., 740 Plymouth Bldg., Minneapolis, Minn.

SOUTH AMERICA.

YOU CAN GET free ranch in South America by assisting in paying expenses to secure million acre concession. Rich soil, fine climate. Highest references. Map 25c. Box 498, Sawtelle, Calif.

OKLAHOMA

CHOICE Oklahoma lands at attractive prices. Address C. W. Smith, Kingfisher, Okla.

OKLA. LANDS. 40 to 500 a. tracts. Write for list. Roberts Realty Co., Nowata, Okla.

350 ACRES. 200 cult., 150 rough timber pasture, imp. Joins station. Good water. \$27.50 a. C. M. Smith, Crowder, Okla.

FOR SALE: 160 acres near Eufaula, Okla., or will rent to stock farmer. Other land for sale. Charles Whitaker, Eufaula, Okla.

160 ACRES. 7 miles Texhoma, 60 acres sub-irrigated alfalfa land. \$10 an acre. Terms. No trade. Address owner, L. E. Job, Texhoma, Okla.

EASTERN OKLAHOMA land as good as the best, limestone soil, corn, oats, wheat, timothy, blue grass and alfalfa land. Selling cheap. Smalley & Stout, Afton, Okla.

BUY NOW from owner, best 650 a. farm (will divide) in Oklahoma, 3 mi. from Vinita. Well improved; strong, level land; 3 sets of buildings. W. M. Mercer, Aurora, Ill.

350 ACRE stock farm near railroad station. 110 a. choice bottom, hog fenced, bal. good prairie land; first class improvements; living water, large orchard; \$25 per acre. Write for particulars and list of Oklahoma lands. Major Brothers, Chickasha, Okla.

FRUIT AND PASTURE LAND. part tillable, all fairly good pasture, \$2.50 a. Any size tracts. Perfect title. Southern Realty Co., McAlester, Okla.

Oklahoma Land For Sale

Good land in Northeastern Oklahoma; price from \$20.00 to \$35.00 per acre. Write for price list and literature. W. C. Wood, Nowata, Okla.

SEE THIS

160 acres 1 1/2 miles out—good soil and water—fair improvements—120 sowed to wheat, price only \$3500—good terms. Free list and map. Perry DeFord, Oakwood, Okla.

Dewey, Washington Co., Okla.

Located in a splendid oil, gas and agricultural country. Has two steam railroads, one electric interurban, water works, sewer system, electric lights, natural gas, paved streets, free mail delivery, manufacturing plants, two National banks, splendid schools, the best county fair in the state and three thousand live energetic citizens. Want more folks like those already here. For information, write Joe A. Bartles, Dewey, Okla.

MISSOURI

STOP! LISTEN! 40 a. impr. farm \$550. Other farms. McGrath, Mountain View, Mo.

FOR SALE: 40 a. close in. Well imp. Ideal location; \$1000. Weaver, Seligman, Mo.

BARGAINS in high class farm near Kansas City. Some Exc. L. W. Kircher, Cleveland, Mo.

40 A. CLOSE IN; good house, barn, cellar; spring. \$600 cash. Weiford, Seligman, Mo.

100 ACRES. Improved, near town, \$1500. 40 acres 1 1/2 miles out, improved, \$650.00. W. A. Morris, Mountain View, Mo.

POOR MAN'S CHANCE—\$5 down, \$5 monthly, buys 40 acres good land, near R. R. town; some timber; price \$200. \$10 monthly buys 80 a. Write for list Box 425-O, Carthage, Mo.

A BARGAIN. 320 a. fine grain and stock farm in DeKalb Co., Mo. 32 mi. from St. Joseph. Good improvements. Price \$100 per acre. Address Box 707, Capper Building, Topeka, Kan.

160 ACRES. 1 mi. of good R. R. town near Cape Girardeau; well improved. Produces 75 bu. corn, 5 cuttings alfalfa. Best land in U. S. Climate excellent; health good. \$50 per a. Warren L. Mabrey, Jackson, Mo.

SOUTHEAST MISSOURI LANDS—If you want to become independent, buy lands in Southeast Missouri, in the rich drained lands that raise anything and raise it certain. All I ask is a chance to "SHOW YOU." Prices are very reasonable. No trades considered. Write for literature and information. F. S. Bice, Oran, Missouri.

FOR SALE. My Ozark home; 313 acres, fine house, barn and other buildings; in edge of town; two blocks to graded high school; 80 acres in blue grass and orchard grass. 33 acres in timothy. Price \$8,500. Half cash; no trades considered. Write for illustrated description. P. D. Gum, West Plains, Mo.

A RARE BARGAIN

99 a. farm, only 1 1/2 mi. from C. H. square in Clinton, Mo. 2 story frame house, barn, etc. 2 wells and cistern. Small orchard; 20 a. hog tight pasture; 20 acres fine prairie hay; bal. under plow. House is within Clinton School dist., thus giving benefit of Clinton's fine high school. An ideal location. Price \$10,000, \$1,000 cash and balance \$1,000 per year at 6% int. H. P. Faris, Clinton, Mo.

NEBRASKA

I HAVE FINE ALFALFA FARMS in tracts from 160 acres to 1000 acres, and best corn and wheat land at prices from \$8 to \$30 per acre. These prices will not last long. Write me today. A. T. Cowings, Benkelman, Neb.

FINE LITTLE RANCH—480 a., 200 fine cult., bal. fine pasture, well fenced; ample bldgs., good condition. Station 6 mi. McCook, Neb. (Pop. 4,000). 11 mi. good roads. School 1 1/2 mi.; phone and R.F.D. Best small ranch in county. \$25 per a., 1/4 cash, bal. any time desired, 5%. No trades. Write R. A. Simpson, Owner, Blue Hill, Neb.

WHAT BREEDERS ARE DOING

FRANK HOWARD,
Manager Livestock Department.

FIELDMEN.

A. B. Hunter, S. W. Kansas and Okla., 614 So. Water St., Wichita, Kan.
John W. Johnson, N. Kansas, S. Neb. and Ia. 820 Lincoln St., Topeka, Kan.
Jesse R. Johnson, Nebraska and Iowa. 1937 South 16th St., Lincoln, Neb.
C. H. Hay, S. E. Kan. and Missouri. 4204 Windsor Ave., Kansas City, Mo.

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.

Jacks and Jennets.

Dec. 14—H. T. Hineman, Dighton, Kan., and D. J. Hutchins, Sterling, Kan. (Sale at Sterling, Kan.)
March 7 and 8—L. M. Monsees & Sons, Smithton, Mo.
Mar. 21—G. C. Roan, La Plata, Mo.

Percheron Horses.

Dec. 16—J. C. Robison, Towanda, Kan.
Jan. 13—P. G. McCulley, Princeton, Mo.
Jan. 17—Lee Brothers, Harveyville, Kan. Sale at Manhattan.

Percherons and Other Draft Breeds.

Jan. 25, 26, 27, 28—Breeders' Sale Co., Bloomington, Ill.; C. W. Hurt, Mgr., Arrowsmith, Ill.

Coach Horses.

Jan. 18—Jos. Wear & Son, Barnard, Kan. Sale at fair grounds, Beloit, Kan.

Combination Breeders' Sale.

Jan. 25 to 28—F. S. Kirk, Mgr., Enid, Okla.
Feb. 15 to 18—F. S. Kirk, Mgr., Wichita, Kan.

Shorthorn Cattle.

Jan. 12—J. W. Smith, Beloit, Kan.
Jan. 20—Richard Roenigk, Morganville, Kan., at Clay Center, Kan.
Feb. 5—Frank Uhlig, Falls City, Neb.
March 22—Ruben Harshbarger & Son, Humboldt, Neb.
March 23—Ben Lyne, Oak Hill, Kan. Sale at Abilene, Kan.

Holstein Cattle.

Jan. 27—E. S. Engle & Sons, Abilene, Kan.

Hereford Cattle.

March 4—Carl Behrent, Oronoque, Kan. Sale at Norton, Kan.
March 6—Kansas Hereford Breeders, Manhattan, Kan. Prof. W. A. Cochell, Mgr.

Poland China Hogs.

Dec. 15—O. R. Strauss, Milford, Kan.
Jan. 18—D. C. Lonergan, Florence, Neb.
Jan. 21—A. F. Blinde and Geo. Brown, sale at Auburn, Neb.
Jan. 25—A. J. Swingle, Leonardville, Kan.
Jan. 26—W. J. Crow, Webb, Ia.
Jan. 28—J. L. Griffiths, Riley, Kan.
Jan. 28—S. E. Wait, Blue Mound, Kan.
Jan. 31—S. A. Nelson & Sons, Malcolm, Neb.
Feb. 1—W. Z. Baker, Rich Hill, Mo.
Feb. 2—Wigton Bros., Stanton, Ia. Sell at Red Oak, Ia.
Feb. 2—Frazier Bros., Waco, Neb.
Feb. 3—H. J. Beall and Wisel Bros., Roca, Neb.
Feb. 4—J. A. Godman, Devon, Kan.
Feb. 5—Fred B. Caldwell, Howard, Kan.
Feb. 9—Henry Fesenmeyer, Clarinda, Ia.
Feb. 9—C. A. Lewis, Beatrice, Neb.
Feb. 10—Wm. McCurdy, Tobias, Neb.
Feb. 11—W. E. Willey Steele City, Neb.
Feb. 12—T. W. Cavett, Phillips, Neb. Sale at Aurora, Neb.
Feb. 14—J. G. Burt, Solomon, Kan.
Feb. 15—K. S. A. C., Manhattan, Kan.
Feb. 16—Ed Sheehy, Hume, Mo.
Feb. 17—H. C. Graner, Lancaster, Kan.
Feb. 18—H. B. Walter, Effingham, Kan.
Feb. 18—J. H. Harter, Westmoreland, Kan.
Feb. 23—F. E. Moore & Sons, Gardner, Kan.
Feb. 25—A. J. Erhart & Sons, Ness City, Kan. Sale at Hutchinson, Kan.
Feb. 29—E. M. Wayne, Burlington, Kan.
March 1—Clarence Dean, Weston, Mo. Sale at Dearborn, Mo.
March 4—Carl Behrent, Oronoque, Kan. Sale at Norton, Kan.
March 11—V. V. Hoppe & Son, Stella, Neb.
March 23—Ben Lyne, Oak Hill, Kan., Abilene, Kan.

Duroc-Jersey Hogs.

Jan. 5—Glen Keesecker, Washington, Kan.
Jan. 19—J. O. Hunt, Marysville, Kan.
Jan. 24—Geo. Briggs & Sons, Clay Center, Neb.
Jan. 25—J. C. Boyd, Virginia, Neb.
Feb. 2—Martin Kelly, Verdon, Neb.
Feb. 5—J. H. Proett & Son, Alexandria, Neb.
Feb. 15—K. S. A. C., Manhattan, Kan.
Feb. 24—J. M. Layton, Irving, Kan.

Chester White Hogs.

Feb. 24—J. M. Layton, Irving, Kan.

Pioneer Livestock Breeder Dead

B. F. Dorsey, one of the oldest livestock breeders and exhibitors in the United States died at Versailles, Ill., November 29, at the age of 83.

Mr. Dorsey started the American Poland China Record, and was one of the seven that chartered that association; was chairman of the first meeting in America which started the American Branch of the English Shire Stud Book; and in the early 60's as head of the old firm of B. F. Dorsey & Sons, made the first livestock exhibit in the state of Illinois. Mr. Dorsey was a breeder and dealer of purebred livestock all his life,

and in his death, the livestock industry loses one of its staunchest supporters. He was the father of Ed R. Dorsey, formerly a livestock representative of the Capper Papers.

S. W. Kansas and W. Oklahoma

BY A. B. HUNTER.

L. E. Fife, Newton, Kan., owner of the Cedar Grove Stock Farm, starts a card announcement in this issue of Farmers Mail and Breeze in which he is offering registered Percheron stallions and mares for sale. The mares are in foal and the stallions are service broke. Mr. Fife's farm is 4 1/2 miles south of Newton. If interested in good Percherons either write Mr. Fife for further information or drop off at Newton, and see the stock.—Advertisement.

Large Type Poland Boars.

Olivier & Sons, Danville, Kan., are offering choice young boars ready for service. Olivier & Sons were out with a show herd last season and won at Topeka and Hutchinson, Kan., Dallas, Tex., and Shreveport, La., over 50 prizes. They raise the kind with size and quality. They have at present several young boars, by the great sire Logan Price, a boar of wonderful scale and a boar that would have been a sensation at any fair. But owing to his becoming ill just at the beginning of the show season he was left at home. If you want a young boar to increase the size in your hogs, write Olivier & Sons for prices and particulars, describing your wants. Please mention Farmers Mail and Breeze.—Advertisement.

Percherons at Great Bend.

Harris Brothers, Great Bend, Kan., have a better assortment than ever of Percherons to offer their customers. Thirty stallions and 60 mares from which to select. At the head of this herd is the great herd stallion, Algrave, by Sampson, whose daughter was first in class at the International. He is a wonderfully impressive sire. They are offering several of his sons and daughters and mares and fillies in foal to him. It is well worth your time and trouble to visit their barns and look over their Percherons if you expect to buy a stallion or brood mares exactly what you want. Ninety head from which to select and they are priced for quick sale. Great Bend is on both the Santa Fe and Missouri Pacific railroads. Write them today stating when you will come. Please mention Farmers Mail and Breeze.—Advertisement.

Eckhardt's Shorthorn Sale.

Levi Eckhardt, Winfield, Kan., sold at auction Tuesday, November 30, 161 head of Shorthorns for an average of \$94.66. The 27 bulls averaged \$93.41. The top of the sale was the 4-year-old cow, Fancy of Great Rock, at \$180, bought by J. Curtis, Pawnee, Okla. The sale was well attended. The larger part of the offering was taken by Oklahoma buyers. Among the most liberal patrons were A. B. Campbell, Geary, Okla.; Frank Krik, Enid, Okla.; H. W. B. Dunlap, Kingfisher, Okla.; Ware & Son, Tryon, Okla.; Charles Lauer, Norman, Okla.; S. E. Colby and Roy Davidson, Fairview, Okla., and J. B. Smith, Kingfisher, Okla. Among the Kansas buyers who bought heavily was Park E. Salter of Augusta. Others who bought a few each were C. B. Brewer, Arkansas City, Kan.; Owen McCullum, Winfield; E. M. Lambert, Cedar Vale; F. M. Garner, Pawnee, Okla.; J. M. Hogle, Wellington, Kan.; R. W. Baldwin, Conway, Kan.; J. W. Anderson, Winfield, Kan., and D. O. Wilson, Winfield, Kan. The cattle were only in pasture condition and consisted of many young animals. The catalog used was not complete and buyers were not able to keep track of the offering. Owing to this, alone, it is likely \$10 a head was sacrificed.—Advertisement.

N. Kansas and S. Nebraska

BY JOHN W. JOHNSON.

Col. G. B. Van Landingham, Concordia, Kan., has been on the auction block for over 40 years in Cloud county and on October 20 broke all records for fast selling when he sold Hereford cattle for the Carroll estate at Delphos, Kan. In 55 minutes he auctioned off \$8,000 worth of cattle and the sale was over.—Advertisement.

Will Myers, Beloit, Kan., is the live wire in the livestock auction game in north central Kansas. There has not been a purebred sale in that section of Kansas for several years that he has not been employed on, either to conduct the sale or to assist. He is becoming widely known over that section and is very popular with the livestock men of that section. Consult him before claiming your sale date. He can make you money and can handle your sale with satisfaction to you and your customers. Write or phone him for open dates. Look up his advertisement in the Farmers Mail and Breeze.—Advertisement.

Shorthorn Dispersion Sale.

J. W. Smith, Beloit, Kan., will hold a dispersion sale of Shorthorn cattle at his farm near Beloit, Wednesday, January 12. The scarcity of pasture land near Beloit, and other interests have decided Mr. Smith on this dispersion of his Shorthorns. About 50 head will go in the sale consisting of 15 cows with calves at foot and bred back to Gallant Knight Star, by Gallant Knight. This herd bull is included in the dispersion. There will be a nice lot of heifers that are bred and choice spring heifers. Also a fine line of bulls ranging in ages from 6 months to 1 year old. Mr. Smith has been in the cattle business all his life and is a son of David Smith, known to all of the old timers in north central Kansas because of his

WYOMING

320 ACRE HOMESTEADS. Will locate for \$100. A. P. Knight, Jireh, Wyoming.

WISCONSIN

30,000 ACRES cut-over lands; good soil; plenty rain; prices right and easy terms to settlers. Write us. Brown Brothers Lumber Co., Rhinelander, Wis.

FARM LOANS

FARM AND CITY MORTGAGES a specialty. Write us if you wish to borrow. Perkins & Co., Lawrence, Kan.

FARM LOANS, Missouri, Kansas, Oklahoma and Arkansas, low rates, liberal privileges, most favorable terms. No delay. You get all you borrow. The Denning Investment Co., Oswego, Kan. Branch offices: Wichita, Kan.; Oklahoma City, Muskogee, Durant, Okla.; Little Rock, Ark.

HAMPSHIRE.

REGISTERED HAMPSHIRE HOGS Bred glits and aggs. Cholors insured. Description guaranteed. C. E. LOWRY, Oxford, Kan.

REGISTERED HAMPSHIRE 150 glits and aggs. Cholors insured. Description guaranteed. C. E. LOWRY, Oxford, Kan.

Shaw's Hampshires 180 registered Hampshires, all ages, nicely bred, best of breeding, all insured, double treatment. Satisfaction guaranteed. Priced to sell. WALTER SHAW, R. C., Wichita, Kan.



Horse Book FREE

Here is a book that should be in the hands of every horse owner! Admittedly the greatest book on the subject ever written and practically worth its weight in gold to horse owners and livestock breeders. 220 large pages profusely illustrated. Part 1 deals in plain language with the theory and practice of Veterinary Science—Diseases of Horses, Cattle, Sheep, Poultry, Swine and Dogs—with tested and proved remedies. Part 2 contains Prof. Gleason's famous System of Horse Breaking, Training and Taming. Gleason's marvelous skill in training and treating horses is known throughout the entire world and he is considered the world's greatest authority in this field. **Our Great Offer!** By a special arrangement direct with the publishers we are able for a limited time to offer "Gleason's Horse Book" absolutely free—postage prepaid—to all who send \$2.00 to pay for a three-year—new or renewal—subscription to our big farm weekly. Send your name and \$2.00 at once. Mail and Breeze, Dept. H-10, Topeka, Kansas.

FREE This Famous Sewing Awl

You can sew old or new harness, saddles, canvas, tents, rugs, carpets, quilts, shoes, grain bags and many other things. You can use any kind of thread in the Myers Awl, and it makes a lock stitch same as a sewing machine. It is very simple; a woman can use it as well as a man. It is one of the most practical devices ever invented. They are put up with two needles; one is straight and one curved, with a small screw driver and wrench combined. Also a reel of waxed thread with each awl ready for use. The cut does not show full size. With needle the awl is 6 1/2 in. long. It is the Myers Famous Lock Stitch Sewing Awl. It is the only Sewing Awl made with a groove running the full length of the needle, so as not to cut the thread when sewing, and has what is known as a diamond point. Every teamster and farmer should own a Myers Lock Stitch Sewing Awl, as there is use for one in almost every household. The Myers Awl is nicely finished, the metal parts are nickel plated, the needles and wrench are kept in the hollow handle which has a screw top. Anyone who will send \$2.00 to pay for a three-year subscription to our big farm paper can select one of Myers' Lock Stitch Sewing Awls, which we will send by mail, postage paid, as a free premium. Use Coupon below.

MAIL AND BREEZE

is the biggest and best farm journal in the West with over 100,000 readers. Established in 1873. Price, 1 yr., \$1.00. Best edited farm journal in America.

Pub. Mail and Breeze, Topeka, Kan.

Dear Sirs:—Enclosed please find \$2.00. Send me your paper regularly for 3 years, and one of your famous Lock Stitch Sewing Awls free and prepaid.

Name

P. O.

County..... State..... R.R.No....

BERKSHIRES.

Hazlewood's Berkshires!
Yearling gilts, bred. Spring pigs priced for quick sale.
W. O. HAZLEWOOD, WICHITA, KANSAS

25 March Gilts Bred or open. 10 year old sows, bred to order or open.
H. J. LINSKOTT, HOLTON, KANSAS

Do Not Write Bayer & Sons for Cheap or Inferior

BERKSHIRES They want to sell you quality and breeding guaranteed worth the money. We have a few choice boars of serviceable age at reduced prices to make room for youngsters. Write your wants. J. T. Bayer & Sons, Yates Center, Kas.

DUROC-JERSEYS.

DUROC HOGS FOR SALE

The blood of champions. Entire herd; 2 herd boars, 10 herd sows, young boars, bred gilts, yearling gilts, 50 fall pigs, not related. **BUCKEYE STOCK FARM, OLEAN, MO.**

Royal Scion Farm Durocs

Choice fall and spring boars out of our best tried sows. One yearling boar, 17 in litter. Priced to move.
G. C. Norman, Route 10, Winfield, Kan.

The Schwab Pure Bred Stock

50 Duroc-Jersey boars ready to send out on orders. 35 Duroc sows bred for fall litters. Plenty of open gilts, etc. 6 Red Poll boars ready for service. Percheron stallions and mares. Geo. W. Schwab, Clay Center, Neb.

FROM WORKMAN
RUSSELL KANS.
DUROC JERSEYS!
Johnson Workman, Russell, Kan.

Durocs Some extra good young boars farrowed in April. Priced right. If you want something extra good write today to **H. E. REECE, Thayer, Kansas**

Crocker's Immune Duroc Boars
100 Duroc spring boars for sale. Guaranteed immune and shipped on approval. No money down before you get the hog. Prices \$35 to \$55 each.
F. C. Crocker, Filley, Nebraska

Rice County Herd Durocs

Forty fine fall, winter and spring boars. Sired by Good Enuff's Chief, Col. G. M. Crimmon Wonder, Col. Chief, Oley's Dream, Illustration II. From excellent dams. 30 days' special price. Write today; describe your wants. **G. M. SHEPHERD, Lyons, Ks.**

Trumbo's Durocs

25 Duroc boars, big, stretchy fellows; fashionable blood lines, all immune, \$25 each. Sold on approval. Write today. **Wesley W. Trumbo, Peabody, Kansas.**

Wooddell's Durocs!

The best lot of spring boars and gilts we ever offered—Good E Nuff Again King, Graduate Col., and other good blood lines. **G. B. Wooddell, Winfield, Kan.**

BONNIE VIEW STOCK FARM

Spring pigs for sale, sired by Tat-A-Walla, Kant's Model Enough and A Critic; also two registered Holstein bulls, six months old.
SEARLE & COTTE, BERRYTON, KANSAS

Immuned Durocs!

Plenty of spring boars and gilts. Best of breeding. Stock guaranteed.
F. J. MOSEER, GOFF, KANSAS

Good Durocs at 10c a Lb.

Fall and spring gilts, bred or open, fall and spring boars, they are good ones, sired by sons of B. & C's Col. and Graduate Col. Weanlings, \$8.00. Everything immune. Write for breeding sheet.
MIKE SEIWALD, EUDORA, KANSAS

DUROC HERD BOARS IMMUNED

Boars and Gilts of large smooth, easy feeding type. From the Champions Long Wonder, Defender, Superba and Golden Model breeding. Gilts bred or open, also fall pigs. Prices reasonable.
JOHN A. REED, LYONS, KANSAS.

Tatarax and Ohio Chief

A few choice boars, of April farrow, sired by Critic's Lieutenant 138057, from sows strong in Tatarax and Ohio Chief blood. All cholera immune.
JOHN BARTHOLO, JR., PARTRIDGE, KANSAS

HOPEWELL DUROC-JERSEYS

A few good boars for sale sired by the grand boar Sunflower Chief. 15 years a breeder. **R. C. R. Red Cockerels, Hopewell Stock and Poultry Farm A. S. FELLERS, Prop., Hays, Kansas.**

Jones Sells On Approval

August and September pigs for sale. Prices right. Farm raised White Wyandottes. Eggs 50c per setting.
W. W. JONES, CLAY CENTER, KAN.

BANCROFT'S DUROCS

Everything on the farm properly immunized. No public sales. For private sale: spring boars; also gilts open or bred to order for spring litters and September pigs, either sex, when weaned. Reasonable prices on first class stock.
D. O. BANCROFT, Osborne, Kans. (Shipping Point Downs, Kans.)

Maplewood Duroc Boars

We have a lot of choice spring boars to sell at farmers prices. Also gilts bred or open. Popular breeding.
MOTT & SEABORN, HERINGTON, KANS.

FARMERS MAIL & BREEZE
ENGRAVING DEPARTMENT
TOPEKA, KANSAS
CUTS OF YOUR LIVESTOCK FOR
LETTERHEADS & SALE CATALOGS

big operations in the cattle business in the early days in Mitchell county. The foundation of Mr. Smith's Shorthorn herd that he is dispersing on the above date was drawn from three herds and was mostly the tops of these sales which were all dispersion sales. You can ask him to book you for a catalog any time. The sale will be advertised in the Farmers Mail and Breeze and full particulars will appear soon.—Advertisement.

Choice Duroc-Jersey Pigs.

W. W. Jones, Clay Center, Kan., is a breeder of Duroc-Jerseys, who has had a good demand for boars this fall. In requesting a change of copy in his advertisement in the Farmers Mail and Breeze this week, he says he is returning two checks for boars and shipped his last boar on December 1. At present he has a choice lot of August and September pigs of both sexes for sale and will make attractive prices on them. Mr. Jones has a nice little Duroc-Jersey farm joining Clay Center and is breeding only the best and is taking good care of them. Write him about the fall pigs.—Advertisement.

Choice Shorthorns.

C. W. Taylor of Abilene, Kan., owner of the Pearl herd of Shorthorns, is changing his ad in this issue of Farmers Mail and Breeze and is offering 20 head of choice young bulls ranging in age from 10 to 20 months. Mr. Taylor has one of the exceptionally good collections of Shorthorns in Kansas. His cattle are well bred and developed along utility lines. He can supply bulls in either reds or roans. They are big, thrifty fellows and the making of good useful animals. Mr. Taylor can ship over the Rock Island, Union Pacific, Santa Fe or Missouri Pacific. Write for further information and kindly mention Farmers Mail and Breeze.—Advertisement.

Duroc Boars and Gilts.

A. B. Skadden & Son, Frankfort, Kan., are offering Duroc-Jersey spring gilts bred to their splendid son of Illustration. They also have a few very choice spring boars for sale. The Skaddens are among the oldest breeders of Duroc-Jerseys in northern Kansas and have always bought liberally of breeding stock from the best herds in the country. In buying from the Skaddens you are taking no chances with the cholera as Marshall county is being looked after by both state and government inspectors and nothing can be shipped from districts in that county where there is any chance that cholera might exist. The prices will be found very reasonable and this is a mighty good opportunity to buy gilts bred to a well bred boar.—Advertisement.

Strauss's Poland China Sale.

This is the last call for O. R. Strauss's Poland China sale at Milford, Kan., next Wednesday. Milford can be reached by going either to Clay Center or Junction City the night before. It is about 15 miles from each place. If you are in the market for something good in the Poland China line you better take it from the writer that this is going to be a mighty good place to be. Mr. Strauss has never made much fuss about his herd but has been a good buyer of choice breeding in several states and has made a study of mating and as a result his herd is one of the real good ones. Look up his advertisement in this issue of the Farmers Mail and Breeze and go to this sale. Bids sent to J. W. Johnson in his care will be carefully looked after.—Advertisement.

German Coach Horse Sale.

Jos. Wear & Sons' big sale of registered Oldenburg German Coach horses at the fair grounds, Beloit, Kan., on January 18, should draw buyers from several states. It is a draft sale of young stallions and mares and it took a good deal of nerve on the part of the Wears to plan a sale of this kind. It is doubtful if anything better was ever offered in the coach horse line in the West. The Wears are extensive land owners and farmers in Mitchell county and have used these horses on their big ranch for years. They have sold over 80 head at the present time. Write them today for fuller information and ask them to book you for their catalog as soon as it is out. Mention the Farmers Mail and Breeze when you write and watch that paper for their advertising which will appear later.—Advertisement.

Huscher's Stock Sale.

Isaac Huscher's registered stock sale at his farm near Ames, Kan., last Wednesday, was not the success the high quality of the offering warranted. The stallion, Gabon, sold for \$595, to Dr. G. C. Shaw of Washington, Kan., and was worth more money. The stallion Hargentin sold for \$356 and went to L. Hammer of Scandia, Kan. He was a big bargain at that price. Only one Jack sold and he went to L. J. Cox of Concordia, Kan., for \$500. The Poland Chinas did not sell well at all. The day was one of the worst of the season and the high wind and dust storm and bitter cold kept many away that would have come in autos. Isaac Huscher is to be congratulated on the high quality of the entire offering. The 15 mules sold for prices that were about the average prices mules are selling for this fall.—Advertisement.

Poland Boars and Gilts.

N. E. Copeland, Waterville, Kan., has an unusually choice lot of Poland China spring boars and gilts. Everyone that has seen them is well pleased with them. They are by Sunflower King, by King of Kansas and out of the sows in Mr. Copeland's herd that are as good as can be found in any herd. There is one boar in the lot that is certainly good enough to go to the head of some good herd. His dam is June Girl, by King Ex. 3d, by Big Elaine. If you want something that promises great things for the future write Mr. Copeland for further descriptions and price which will be found very reasonable. He is by Sunflower King. He is also offering 10 yearling gilts bred to Sunflower King and a choice lot they are. Also spring gilts open or bred to suit purchaser. The fall pigs by Sunflower King are dandies and are indicating further the breeding value of Sunflower King. If you want anything in the Poland China line you can't possibly do better than write Mr. Copeland at once. His offering at private sale is exceptionally strong and the prices are very reasonable. Mention the Farmers Mail

Durocs, Tried Sows Gilts, bred or open. 10 extra fine boars.
A. C. HILL, HOPE, KANSAS.

25 Duroc Boars March and April farrow, top. Crimson Wonder and Mo. Climax breeding. Spring gilts, bred or open.
R. T. & W. J. GARRETT, STEELE CITY, NEBRASKA

BALDWIN DUROCS

Young service boars \$15 each, sired by Bell the Boy, the first prize winner at Kansas State, Tennessee State, and Interstate Fairs in 1914. Gilts \$25, bred to Model Top Again, winner at Hutchinson and Topeka State Fairs this fall. Baby boars of fall farrow \$8, and baby gilts \$12, sired by Bell the Boy. A few gilts for sale to farrow farm. Rose Comb Reds, Cockerels \$2. Also some registered Shorthorn Baby Bulls.

R. W. BALDWIN, Conway, Kansas

Marshall Co. Pure Bred Stock Breeders

Nothing but first class animals offered for sale for breeding purposes. It is economy to visit herds located in one locality. For the best in purebred livestock write these breeders or visit their herds.

HEREFORD CATTLE.

Willowbrook Farm Herefords Yearling and two-year-old heifers for sale. Also a choice lot of young bulls.
B. M. WINTER, IRVING, KANSAS

HEREFORDS—POLANDS Herds established 30 years. 125 Herefords. 90 spring pigs, and 18 bulls, 11 to 15 months old, for sale. **S. W. TILLEY, IRVING, KANSAS**

Choice Young Bulls For Sale Sired by 34th 39797 and Real Majestic 373628. Write your wants. **J. F. SEDLACEK, BLUE RAPIDS, KANSAS**

PRESTON HEREFORDS Herd established in 1881. Come to Marshall county for Herefords. Address F. W. PRESTON, Blue Rapids, Kansas

Choice Two-Year-Old Bred Heifers and a Feb. bull for sale. Also 10 spring bulls. Address, **GEO. E. MILLER, Blue Rapids, Kansas**

Hereford Cattle All sold out of serviceable bulls at present. Will have some for spring shipment. **B. E. & A. W. GIBSON, Blue Rapids, Kan.**

Home of Parsifal 24th 120 head. about a good herd bull. 25 spring bulls for this fall's trade. **C. G. STEELE, BARNES, KANSAS**

Wallace Herefords Inspection invited. Write for prices and descriptions. **THOS. WALLACE, BARNES, KAN.**

Wm. Acker's Herefords! About 25 spring bulls for this fall and winter trade. Address **WM. ACKER, Vermillion, Ks.**

Clear Creek Herefords— Choice last March bulls for fall and winter trade. 30 breeding cows in herd. **J. A. SHAUGHNESSY, Axtell, Kansas**

HEREFORDS Big and rugged. Farm 2 miles out. **W. B. Hunt & Son, Blue Rapids, Kas.**

DAIRY CATTLE.

Mills' Jerseys One 16 month bull. Bull calves from Aquas's Lost Time 134813. R. C. R. 1. Red cockerels, 75c each. **C. H. MILLS, WATERVILLE, KANSAS**

WILLOW SPRINGS JERSEY FARM Golden Fern's Lad's Lost Time 25562 at head of herd. Offers a few young bull calves. Joseph Krasny, Waterville, Kas.

JERSEY BULL By a grandson of Golden Fern's Lad, out of a 300 pound cow. Price \$50. Duroc-Jersey spring pigs for sale. **B. N. WELCH, Waterville, Kansas.**

HOLSTEINS Cows and heifers for sale. Registered and grade. Address **LACKLAND BROS., AXTELL, KANSAS**

Spring Duroc Boars and Gilts

All my spring gilts and boars at private sale. Gilts bred or open. Will breed them if desired to either Prince of Col. Wonder or Taylor's Model Chief. Write me.
DR. E. N. FARNHAM, HOPE, KAN.

SHORTHORN CATTLE.

For Sale: Two Pure Scotch bulls and a Scotch topped heifer. Farm near Irving, Kansas. On Union Pacific and Central Branch of Missouri Pacific. **DR. P. C. McCALL, IRVING, KAS.**

Eight Bulls reds and roans. 6 to 18 months old. Scotch and Scotch topped. Write for prices. **G. F. HART, Summerfield, Ks.**

Shorthorns, Poland 1 yr. bull for sale. 1 tried and April boars. **A. B. Garrison & Son, Summerfield, Kansas**

10 Shorthorn Bulls 5 yearlings in September. Write for prices. **H. A. BERENS, SUMMERFIELD, KANSAS**

HAMPSHIRE HOGS.

Registered Hampshires Top boars and gilts priced to sell. Pairs not related. **F. B. WEMPE, Frankfort, Kansas**

POLAND CHINA HOGS.

Albright's Poland For Sale Jan. 1st 12 last fall gilts. 34 March and April boars and gilts. **A. L. ALBRIGHT, WATERVILLE, KAN.**

10 Fall Yearlings bred to Kansas of my spring gilts bred to order. Spring boars extra good. Write **N. E. Copeland, Waterville, Kans.**

DUROC-JERSEY HOGS.

Red Polls, Duroc-Jersey, and O. I. C. hogs. Boars of both breeds at reasonable prices. Bred sow sale, Feb. 24. **J. M. LAYTON, IRVING, KAN.**

ILLUSTRATOR We offer choice gilts bred to a splendid son of Illustration. Also spring boars. Address **A. B. Skadden & Son, Frankfort, Kansas**

W. J. HARRISON AXTELL, KAN. Red Polled cattle, Duroc-Jerseys and white Leghorns. Breeding stock for sale. Correspondence invited.

Spring Boars by five different sires. A royal lot of big stretchy fellows and only the tops offered. **HOWELL BROS., HERKIMER, KAS.**

FANCY POULTRY.

Plymouth Rocks Barred (Thompson strain) and white. Stock for sale. Eggs in season. Address **JOHN BYRNE, Axtell, Kansas**

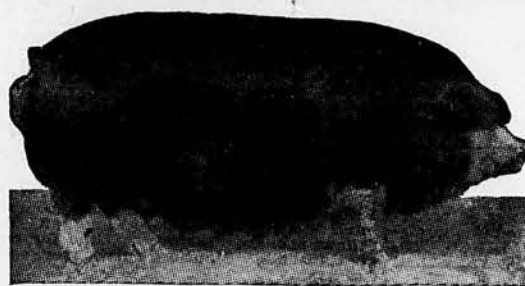
AUCTIONEERS.

S. B. CLARK, SUMMERFIELD, KANS. AUCTIONEER. Write or phone for dates, address as above.

Jesse Howell, Herkimer, Kan. of Howell Bros., breeders of Durocs and Herefords can make you money on your next sale. Write for dates.

Poland China Sale!

Milford, Kan., Wednesday, Dec. 15



Biggest and Best Breeding and Everything Immune

Special Attractions: As a special attraction in this sale I am putting in ten of my best tried sows. These sows are by Model Wonder, Knox All Hadley, Long King's Best, Model Bill, Union Leader and Blue Valley Chief. They are the combination of size, quality and prolificness and will make valuable additions to the best herds in the land. There will also be included in this sale, 17 fall gilts and 8 fall boars. These are strictly tops and contain much herd header and brood sow material. The sows and gilts are bred for March farrow to my noted herd boars. This is an exceptional lot of well bred stock and will please those who are looking for tops. Write for catalog today.

O. R. STRAUSS, Milford, Kansas

Aucts.—J. T. McCulloch and W. R. Cookson. Fieldman—J. W. Johnson.

POLAND CHINAS.

Spring Boars by King Hadley Large, big-boned, growthy, smooth kind. Must sell quickly. Write **J. B. MYERS, GALVA, KANSAS**

POLANDS

Sired by grand champions and out of prize winning sows. Prices reasonable. **W. Z. BAKER, RICH HILL, MO.**

Immune Boarson Approval

10 extra choice Poland China boars at \$25 each on approval. Write **W. A. McIntosh, Courtland, Kan.**

Wiebe's Immune Poland

25 Boars. 30 Gilts. Ship on approval. Have sold in ten states. **G. A. WIEBE, BEATRICE, NEB.**

ENOS IMMUNED POLANDS

Fall and spring boars sired by the noted herd boars Orphan Chief and Mastodon King. Will sell a choice lot of my herd sows and gilts bred for early spring farrow. 100 head to pick from. Everything guaranteed immune. Write or phone. **A. R. ENOS, RAMONA, KANS.**

BLOUGH'S BIG POLANDS

I am offering a choice lot of big, growthy, heavy boned boars out of 700 and 800 pound sows of the best big type breeding. At most reasonable prices. Everything guaranteed cholera immune for life. **JOHN M. BLOUGH, BUSHONG, KANSAS**

Original Big Spotted Poland!!

85 Fall pigs, both sexes, pairs and trios not related. April and May boars and gilts. Write at once. **ALFRED CARLSON, CLEBURNE, KANSAS**

FAIRVIEW POLAND CHINAS

For sale: Several heavy-boned fall and spring boars. Also choice spring and fall yearling gilts, bred for March and April litters. Bargains. Write us. **P. L. WARE & SON, PAOLA, KANSAS**

Large Type Poland

Spring boars, by the great boar, Logan Price, and others of note. Over 50 prizes won this year at leading fairs. All immune. Satisfaction guaranteed. Write today. **OLIVIER & SONS, DANVILLE, KANSAS**

Big Type Poland China Boars

I am offering big, stretchy spring boar pigs at reasonable prices. Some of the best blood in Mo. Come and see them or write **R. F. HOCKADAY, PECULIAR, MISSOURI**

BIG TYPE POLAND CHINAS

Big March and April boars priced to move; also a choice fall herd boar. Gilts bred to your order, to a great son of King of Wonders. Fall pigs. Write me. **ANDREW KOSAR, DELPHOS, KANSAS**

IMMUNE POLAND CHINAS

Some extra fine stretchy boars and gilts, just right for early breeding. Some bred sows and gilts. The best of big type breeding, cholera proof and at farmers prices. We guarantee in every way. **ED. SHEEHY, HUME, MISSOURI**

Original Big Spotted Poland

20 March boars—20 March gilts. Tops of 100 head, 15 fall gilts bred or open. The big litter kind. Address **R. H. McCUNE, Longford, (Clay Co.) Kan.**

Private Sale

Spring Gilts—Bred or Open, at Farmer's Prices. September Pigs—Pairs and trios not related. I guarantee everything I sell.

John Coleman, Denison, Ks. (Jackson County.)

Big Type Poland

Herd headed by the 1,020-pound Big Hadley Jr., grand champion at Hutchinson State Fair, 1915, was also first in class at Topeka and Oklahoma State Fairs. Our herd won more first prizes in the open classes at Oklahoma State Fair than any other Poland China herd. Young stock for sale. **A. J. Erhart & Sons, Ness City, Kan.**

O. I. C. HOGS.

LYNCH'S IMMUNE O. I. C's. Boars and gilts not related. **W. H. LYNCH, Reading, Kan.**

Western Herd O. I. C. Hogs

Spring boars and gilts for sale. Also fall pigs not related. Get my prices. **F. C. GOOKIN, RUSSELL, KANS.**

75 Chester White Spring Boars

Chief Select and White Rock breeding. No culls. \$25 each. Also few choice gilts. Inspection invited. **AMOS TURNER, WILBER, NEBRASKA, (SALINE CO.)**

Smooth Heavy Boned O. I. C's

Pigs not akin from two months up. Boars not related to gilts and sows. Best of breeding at farmer's prices. Write today for circular. **F. J. GREINER, BILLINGS, MO.**

Alma Herd "Oh I See" Hogs of Quality

A trial will convince you; anything sold from eight weeks on up. All stock shipped C. O. D. on receipt of \$10. Write for price list. **HENRY FEHNER, ALMA, MISSOURI**

The Scotties O. I. C's WHITE HOGS OF QUALITY

The largest pure bred herd of O. I. C's in the U. S., and with the greatest show record behind them. Carefully selected breeding stock, either sex, of the highest class, priced right and shipped to you on approval.

L. W. & R. H. SCOTT, Nelson, Missouri

and Breeze when you write. Look up his advertisement in the Marshall county breeders' advertising section.—Advertisement.

Sells Shorthorn Herd Bull.

S. B. Amcoats, Clay Center, Kan., has sold his herd bull, Secret's Sultan, to W. F. Bleam of Bloomington, Kan. Mr. Amcoats is retaining a choice line of this great bull's helpers and has for sale a number of bulls by him, ranging in ages from 8 to 16 months old. In parting with this great bull Mr. Amcoats fully realizes the task of replacing him. But it was a question of selling him or the string of helpers sired by him and with the idea that he could find the bull easier than the helpers he decided to sell the bull. Mr. Bleam bought Secret's Sultan to use on helpers and young cows got by The Scotchman, a noted bull, formerly in the D. E. Reber herd at Morrill, Kan. Mr. Amcoats expects to start next week on a trip in which he will visit several prominent eastern herds. He is in the market for a bull that can take the place of Secret's Sultan. Write him about the young bulls he has for sale and mention the Farmers Mail and Breeze when you write.—Advertisement.

Keesecker's Spring Sale.

Glen Keesecker, Washington, Kan., is a Duroc-Jersey breeder that has stayed with the business and steadily improved his herd. On Wednesday, January 6, he will sell a draft of bred sows and gilts at his farm near Washington. In this sale he will sell 40 head. There will be 25 fall and winter yearlings bred for spring farrow that are as good as will be found in any sale this winter. There will be a few choice tried sows among them, a choice sow put in the sale as an attraction and the top of Howell Brothers' last bred sow sale. The balance will be bred to Ready Col., a yearling boar by G. M.'s Col. and the top of the Swank boar sale one year ago. Most of the fall and winter gilts were sired by W. L. A.'s Choice Goods 2d, by W. L. A.'s Choice Goods. The entire offering is one of big, smooth, well bred sows and gilts that have been handled and conditioned by a man that knows his business. Remember the date, January 6.—Advertisement.

Well Bred Shorthorns.

J. O. Hunt of Marysville, Kan., is one of the best known breeders of Duroc-Jersey hogs in Kansas. His hogs have won championship ribbons in some of the most hotly contested shows ever held in the country. They have given universal satisfaction wherever sold. Mr. Hunt has been advertising his Duroc-Jerseys for some time in Farmers Mail and Breeze. He has sold out on his boars and asks to have his copy changed to advertise Shorthorn cattle. Mr. Hunt has been building up a herd of Shorthorns for a good many years but most of his advertising has been along Duroc lines. His Shorthorns represent some of the best families known to the breed. At present he has 50 head, 40 cows and helpers and 10 bulls. They are all in nice breeding condition and the cows are bred to drop their calves in the spring. Write Mr. Hunt for any information you want concerning these cattle. Please mention Farmers Mail and Breeze when writing.—Advertisement.

Nebraska

BY JESSE R. JOHNSON.

W. E. Willey, the successful Poland China breeder and showman, of Steele City, Neb., writes that he will hold his annual bred sow sale at Steele City, February 11. Mr. Willey says he will have daughters of the World's Fair Superior in this sale. The offering will be one to attract breeders that want the very best. Get your name on his mailing list at once by dropping a card mentioning this paper.—Advertisement.

Prize Galloway Cattle.

The writer recently visited the fine Galloway cattle herd owned by the Straub Brothers of Avoca, Neb. The herd at this time numbers about 75 head and is without doubt one of the best herds in this part of the United States. They formerly owned and still have many of the descendants of the great show bull Tarbraech, champion bull for four successive years at the best shows, his get winning along with him at leading fairs. Straub Brothers will offer some bulls through these columns later in the season but if in need of a bull write them now, mentioning this paper.—Advertisement.

Lonergan Sells Big Poland.

At his farm near Florence, Neb., D. C. Lonergan, one of the best known and best liked big type Poland China breeders in the West, is devoting much of his time preparing for the big annual sale to be held in the heated sale pavilion in Florence on January 18. This will be the first important sale of the season and while it is likely that prices will not range nearly so high as they will later on in the winter, such offerings as Mr. Lonergan places at the disposal of the public must draw buyers from a long distance. Big Ursus, the 1,000 pound grand champion boar at Nebraska State Fair in 1914, will be a big factor. Many of his gilts are included and much of the offering will be bred to him. This is one of the smoothest big boars living and his ability to reproduce himself is history already made. Many of the animals in the sale will trace to the noted Guy's Price 2d and Big Victor, both boars that have helped to make Lonergan Poland Chinas famous. Write any time for catalog of this sale. Mention this paper.—Advertisement.

A March Shorthorn Sale.

Ruben Harshbarger & Son of Humboldt, Neb., authorize us to claim March 22 as the date for their spring Shorthorn sale. This sale will afford a splendid opportunity to buy high class cattle. The Harshbargers laid the foundation for the splendid herd they now own about 12 years ago. They have always used Scotch bulls bought without regard to price. They have always sold their more ordinary females, keeping the best for use in the herd. Their bulls have been sold readily, always at good prices, and this is the first time since establishing the herd that there was a sufficient amount of good surplus stock to justify a public sale. A big part of the March offering will be the get of the great breeding bull,

LIVESTOCK AUCTIONEERS.

Rule Bros., H. T. & R. D., Ottawa, Kan. Livestock sales a specialty. Write for dates.

Jas. T. McCulloch, Clay Center, Kan. References. I am selling for every year. Write for open dates.

WILL MYERS, BELOIT, KAN. LIVESTOCK AUCTIONEER. Reference, breeders of North Central Kan. Address as above.

R. L. Harriman, Bunceton, Mo. Selling all kinds of pure bred livestock. Address as above.

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

John D. Snyder AUCTIONEER, successfully sells pure bred livestock, real estate and general sales. **HUTCHINSON, KAN.**

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.

Missouri Auction School Largest in the World. **W. B. Carpenter, Pres.** 818 Walnut St., Kansas City, Mo.

Col. E. Walters Skedee Oklahoma

W. B. Carpenter 818 Walnut St. Kansas City, Mo.

Sell your farms and city property at auction, as well as your pedigreed livestock. Write either for dates. Also instructors in

Missouri Auction School

HEREFORDS.

Registered horned and double standard polled

Hereford Bulls For Sale

Also a few horned heifers. **JOHN M. LEWIS, LARNED, KANS.**

Blue Valley Breeding Farm

FOR SALE. One No. 1 herd bull at \$200; 10 head of good young bulls from \$75 to \$100 delivered. 7 head of heifer calves at \$75 per head. 10 head of Poland boars from \$15 to \$35 delivered. One No. 1 large herd boar at \$50. 40 B. P. Rock cockerels \$1.00 to \$2.50 each delivered.

Fred R. Cottrell, Irving, Kansas

HOLSTEIN CATTLE.

Sunflower Herd Registered Holsteins 50 in herd. Attractive prices on springers, bred cows and heifers. Bull calves. **F. J. Searle, Oskaloosa, Kan.**

Segrist & Stephenson, Holton, Kansas Prize winning registered Holsteins. Bulls from three months to yearlings for sale. Address as above.

BRAEBURN HOLSTEINS

20 years breeding, with better sires at every change. Write me for bull calves with this backing. **H. B. Cowles, Topeka, Kan.**

Some of the best Holstein breeding stock can be purchased at the

TREDICO FARM, KINGMAN, KAN. PRODUCTION, BREEDING, Tuberculin Tested Herd

Holstein Cattle

Herd headed by a grandson of Pontiac Komdyke. Average record of dam and sire's dam, butter 7 days, 29.4 pounds, 30 days 117.3 pounds. Bull calves for sale from extra good producing dams.

T. M. EWING, INDEPENDENCE, KANSAS

150—Holstein Cows—150

You are invited to look over our herd of Holsteins before you buy. We have 150 high grade cows and heifers and a lot of registered bulls to go with them. **Three Cows and a Registered Bull \$325** 50 cows in milk and 40 that will freshen before January. Come and see our cattle. Bring your dairy expert along. The quality of the cows and our prices will make it easy for us to trade. Come soon and get choice.

LEE BROS. & COOK, HARVEYVILLE, KANSAS



HOLSTEIN HEIFERS

Springers, coming 2 and 3 years, single lot or car loads. Also a few registered and high grade bulls, ready for service. Wire, phone or write.

O. E. TORREY, TOWANDA, KANSAS

CLYDE GIROD, At the Farm. **F. W. ROBISON, At Towanda State Bank.**

HOLSTEIN FRIESIAN FARM Towanda, Kansas

M. M. Mercedes, Platertie Homestead No. 156587 at head of Herd. Pure bred and high grade Holsteins, all ages. Large selection, 225 head to choose from. 150 springing cows and heifers, all the right type, in calf to pure bred bulls strong in the blood of the best milking strains, to freshen soon, as well as fresh cows on hand. Our pure-bred heifers are choice, some with A. R. O. records under three years of age. 15 pure-bred bulls, ages 6 to 24 months all out of A. R. O. dams and from Record Sires. Bring your Dairy expert, the better informed the easier to please. Wire or write your wants.

GIROD & ROBISON, TOWANDA, KANSAS



240—Holsteins—240

In the 240 head you have to select from are 110 very large heifers that will freshen within 30 to 60 days. The 130 in March, April and May. All are of the best markings, having been bred up till practically full bloods, all are bred to registered bulls of the best blood. Will make bargain prices for sixty days.

J. C. Robison, Towanda, Kans.



The Book of Dairy Books

It's the book, because it's the authority on the breed—the beautiful, ever-paying Jersey.

This book, "About Jersey Cattle," goes way back to the beginning of the breed, shows how it was line bred and protected from mixture by law, and shows why it has developed into the most economic and most persistent milking of all breeds. It gives tests, yields, etc., proving that the Jersey is the money cow—the "Giant of the Dairy."

The book is free but worth a lot. Send a postal for your copy today.

The American Jersey Cattle Club 355 West 23rd Street, New York City

HOLSTEIN CATTLE.

Holsteins For Sale high bred registered cows and heifers; good ages, and good producers. **N. S. AMSPAOKER, JAMESTOWN, KANS.**

FOR QUICK SALE

A large number of highly bred, registered Holstein-Friesian cows and heifers; good ages, and good producers. Also several bulls from calves a few weeks old up to yearlings. Ready for service. **HIGGINBOTHAM BROS., ROSSVILLE, KANSAS.**

HOLSTEINS

Registered Holstein bulls, ready for service from high record cows. Priced to sell. Write for description and pedigrees. **David Coleman & Sons, Denison, Kansas**

Bonnie Brae Holsteins

90 HEAD. I have an especially nice lot of young cattle to offer at this time, consisting of high grade heifers from 1 1/2 to 3 years, to freshen this fall and winter; young cows from 3 to 5 years old; a few registered females from 2 to 5 years of age, also registered bulls from 6 months to a year old. Why not buy the kind that makes good. I sold the three highest record grade cows for both milk and butterfat in the State of Kansas. Will sell any number. **IRA ROMIG, Station "B", TOPEKA, KANSAS.**

JACKS AND JENNETS.

Jacks and Jennets



14 large, good boned black Jacks coming 3 to 7 years old. If you want a good jack at the right price or a few good Jennets we can deal. Write or call on

Philip Walker
Moline, Elk County, Kansas

JACKS and PERCHERONS

40 Big Black Mammoth Jacks: Young Black Ten Percheron Stallions and Mares, Extra Quality.

Reference the five banks of Lawrence. Farm, 40 miles west of K. C. on the U. P. and Santa Fe.

Al E. Smith, Lawrence, Kansas



RED POLLED CATTLE.

FOSTER'S RED POLLED CATTLE Write for prices on breeding cattle. **C. E. FOSTER, R. R. 4, Eldorado, Kansas.**

Pleasant View Stock Farm Red Polled cattle. Choice young bulls and heifers. Prices reasonable. **HALLORAN & GAMBRIEL, Ottawa, Kansas**

RED POLLED CATTLE

BEST of BLOOD LINES and cattle that will please you. Cows heifers and young bulls, at attractive prices. **I. W. POULTON, MEDORA, KAN.**



Riley County Breeding Farm

75 Red Polls, 45 Percherons

A choice lot of young bulls for sale. 12 of them by a son of Cremo, the 18 times champion. Visitors welcome. Farm near town. Address

Ed Nickelson, Owner, Leonardville, Kansas

ABERDEEN-ANGUS.

Aberdeen Angus Cattle

Herd headed by Louis of View-point 4th. 150024, half brother to the Champion cow of America.

Johnson Workman, Russell, Kan.

ANGUS BULLS

Five from eight months to one year old. Females for sale, bred or open. Farm joins town. Correspondence and inspection invited. **W. C. Denton, Denton, Kans.**

GALLOWAY CATTLE.

Walter Hill's Galloways!

For Sale: 14 choice yearling heifers and six bulls same age. Also a few choice bred cows. Address **WALTER HILL, (Dickinson Co.), Hope, Kan.**

Bulls, Cows, Heifers

CAPITAL VIEW GALLOWAYS

I want to sell 200 head and will make special prices or next twenty days. Breeding same as my show herd. **G. E. CLARK, 205 W. 21st St., TOPEKA, KANSAS.**

SHORTHORN CATTLE

Shorthorns

20 bulls and heifers sired by Duchess Searchlight 348529, a 2500 pound bull, and from cows weighing 1400 to 1600 pounds. Good milkers. Come or write. **A. M. Markley, Mound City, Kansas**

BALLANTYNE SHORTHORNS

110 head in herd. Will sell anything in the herd. Special prices on bulls 8 to 12 months old, yearling heifers and spring heifer calves. Write today. **D. BALLANTYNE, HERINGTON, KANSAS**

SHORTHORN CATTLE

I have 50 head of registered Shorthorn cattle—40 cows and heifers and 10 young bulls. Best families. Write your wants. **JOHN O. HUNT, MARYSVILLE, KANSAS**

Stephenson's SHORTHORNS

Yearling bulls and early spring bull calves, reds and roans, by Cherry Knight 343761, by Barmont Knight and out of Cherry Bud. Every one a good individual. All vaccinated. Priced very reasonable. Shipment main line of the Santa Fe. **H. C. STEPHENSON, CHASE CO., CLEMENTS, KAS.**

SCOTCH AND SCOTCH TOPPED BULLS

from 8 to 16 months old. Sired by **Secret's Sultan** Write for descriptions and prices. Inspection invited. Farm near Clay Center. **S. B. Amcoats, Clay Center, Ks.**

PEARL HERD Shorthorns

Valiant 346162 and Marengo's Pearl 391962 in service. 20 choice bulls 10 to 20 months old, reds and roans, for sale. Thrifty and good prospects. Scotch and Scotch topped. Correspondence and inspection invited. **C. W. TAYLOR, Abilene, Kans.**

Collynie Goods, one of the greatest sons of the grand champion Diamond Goods, with a dam by the noted imported Collynie. Collynie Goods will also go in the sale as two or three crops of heifers by him are being retained in the herd. This is without question one of the best breeding bulls in the West. The young bulls by him that go in this sale are real herd headers. They are all either straight Scotch or have several Scotch tops. A card addressed to this firm at Humboldt, Neb., will get your name on their mailing list. Please mention this paper.—Advertisement.

S. E. Kan., S. Mo. and E. Okla.

BY C. H. HAY.

If you want to see 40 of the biggest Jacks ever assembled in the state of Kansas, or most anywhere else, you should take the first train to Lawrence. Al E. Smith has his barns full of the real big kind and every one of them is black. Furthermore when you deal with Al Smith you are dealing with a man of responsibility. If you wish to know something of this man write to any bank in Lawrence.—Advertisement.

Producing Holstein Cattle.

When you buy Holsteins from T. M. Ewing of Independence, Kan., you are getting cattle from a herd that has been carefully culled for a number of years. Mr. Ewing bought this herd from a man who had spent years in its development. At present Mr. Ewing has for sale a number of bull calves from extra heavy producing dams. A trip to Ewing's will convince you. —Advertisement.

Claims Percheron Sale Date.

P. G. McCulley & Son of Princeton, Mo., have authorized us to claim January 13 as the date for their Percheron sale. Readers of this paper will remember the McCulleys and their splendid show herds which they have had on exhibition for the past three years at the state fairs of Missouri, Kansas and Oklahoma and at the American Royal. In 1913 they won championship on mare at Hutchinson, reserve championship at Topeka, championship at Sedalia and championship at the American Royal. In 1914 they won championship on mare at Topeka, Kan., Muskogee, Okla., and Sedalia. In 1915 they won the championship on mare at Sedalia. Percherons that are good enough to go in the state fairs and win championships are good enough to go in any herd, and this is the class of horses that will make up the offering of January 13. For further particulars, write Messrs. McCulley and mention this paper.—Advertisement.

Publisher's News Notes

Musical Instruments for Christmas.

It has truly been said that "there should be music in every home on Christmas morning," for ever since the angels announced the first Christmas day in a burst of song, music has been associated with almost every thought of Christmas. That wonderful instrument, the Victrola, brings right into the home an abundance of Christmas music and all other kinds of music. It is a source of pleasure not only at Christmas time but all year round, and it brings to everybody the kind of music they like best. It would be a splendid surprise for your family on Christmas morning to come down stairs and find a Victrola waiting for them, and you could be sure that Christmas would be a real Christmas with this wonderful instrument to entertain them. And one of the good things about the Victrola is that there is a style adapted to every home. There is a style as low as \$15 and others range from that up to \$350—and every style will play any of the 5,000 records listed in the Victor Record catalog. This Victor Record catalog is the most complete catalog of music in all the world, and if you will send to the Victor Talking Machine Co., Camden, N. J., they will be glad to mail you a copy of this interesting illustrated book so that you may realize what a wealth of music the Victrola will bring into your home. They will also send you a catalog showing the various styles of Victrolas and Victorolas, and will tell you the name and address of the dealer nearest you so that you can see and hear the Victrola.—Advertisement.

Quite in Keeping

"Tommy," said the careful mother, "do I actually see you playing with your soldiers on the Sabbath day?"
"Oh, that's all right, mamma," replied the young hopeful; "this is a Salvation army."

Farmers Mail and Breeze Pays Advertisers

Farmers Mail and Breeze, Topeka, Kan. Dear Friends—I like the Farmers Mail and Breeze and it certainly gets the business for the breeders. I sold 19 boars from my card last season and could have sold lots of gilts, but kept them for my bred sow sale. Anyone can ask Mr. Johnson whether my advertising in Farmers Mail and Breeze paid or not. I will be with you again this season. Yours very truly,
ALFRED CARLSON,
Breeder of Spotted Poland Chinas, Cleburne, Kan.

Farmers Mail and Breeze, Topeka, Kan. Gentlemen—I have sold one of the herd bulls and the eight head of yearling heifers. Please cut them out of my advertisement. Yours very truly,
FRED R. COTTELL,
Breeder of Herefords, Irving, Kan., Nov. 20, 1915.

Every week for years the Farmers Mail and Breeze has printed voluntary letters from its advertisers and different letters are printed every week.

TWENTY-FIRST Percheron Sale!



SCENE ON WHITEWATER FALLS STOCK FARM.

The Kind that Makes Whitewater Falls Stock Farm Famous.

Towanda, Kan., Thursday, Dec. 16

25 Stallions—25 Mares

Including six stallions old enough for service, by Casino, and some of the best he ever sired. The grand champion Glacis, whose daughter was grand champion mare at the American Royal goes in this sale, together with a number of his get. Resistant, the imported assistant to Casino and four imported mares, including a half sister to the International grand champion Carnot, also sell.

More Sons and Daughters of Casino Sell

in this sale than in any former auction and every mare of breeding age is either in foal to the great Casino or the grand champion Glacis. More than two-thirds of the offering are sired by either one or the other of these two great sires.

The sale will be held in the pavilion near Towanda, 20 miles east of Wichita. For catalog address

J. C. ROBISON, Towanda, Kansas

Auctioneers: Fred Reppert, John Snyder, Boyd Newcom, Will Arnold and H. L. Burgess. Fieldman, A. B. Hunter.

Harris Bros. Percherons 30 Stallions 60 Mares

If you want Percherons come and visit our barns and pastures where you can see a splendid assortment from which to select. They are all registered in the Percheron Society of America, are strong in the best imported blood and have size, bone and conformation that cannot help but please you. We expect to sell you when you come because we have the right kind and at right prices. Write today stating when you will come.

HARRIS BROS., GREAT BEND, KANSAS

Registered Percheron Stallions

10 Ton and 2200 lb. four and five-year olds, 34 coming 3's, 17 coming 2's. Grandsons of International champion, PINK. 23 registered mares for sale. Just above Kansas City. **FRED CHANDLER PERCHERON RANCH, R. 7, Charlton, Ia.**



Bishop Brothers Percheron Stallions



Our stallions are two and three year olds. Very large, drafty type, with conformation and QUALITY. Pasture grown, fed in outdoor lots with outdoor exercise; the kind that make good in the Stud. If you want a stallion see ours. Prices are right; barn in town.

Bishop Brothers, Box A, Towanda, Kansas

SHORTHORN CATTLE.

Shorthorn Bulls For Sale!

Six heifers, two-year-olds. Reds and roans. **L. M. NOFFSINGER, OSBORNE, KANSAS**

Pure Bred Dairy Shorthorns

Double Marys (Flatcreek Strain) and Rose of Sharon families. Registered Poland Chinas. Breeding stock for sale. Address **R. M. ANDERSON, Beloit, Kansas**

SHORTHORNS

Two bulls, one red and one white. Priced to sell. **C. E. HILL, TORONTO, KAN.**

HORSES.

HOME-BRED PERCHERON, BELGIAN, SHIRE

Stallions and mares for sale at \$250 to \$400 each except two. Also Imported Stallions. **Frank L. Stream, Creston, Iowa**



Registered Percheron Stallions

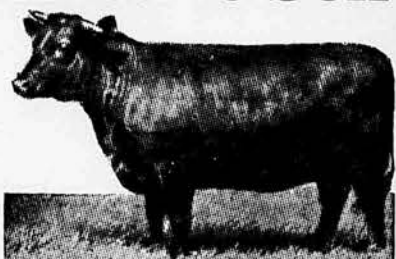
and mares for sale. Mares in foal and stallions well broke to service. **L. E. FIFE, NEWTON, KAN.**

When writing to advertisers please mention the Farmers Mail and Breeze.

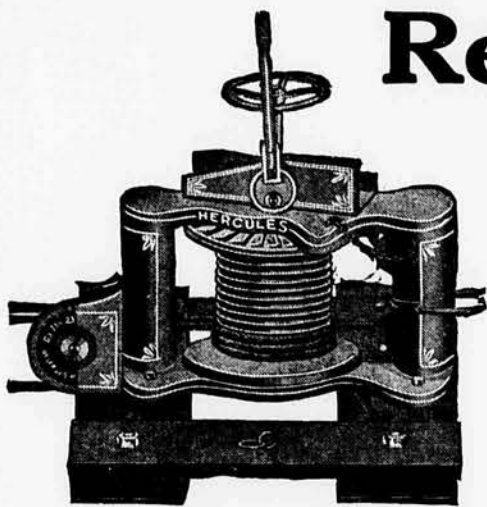
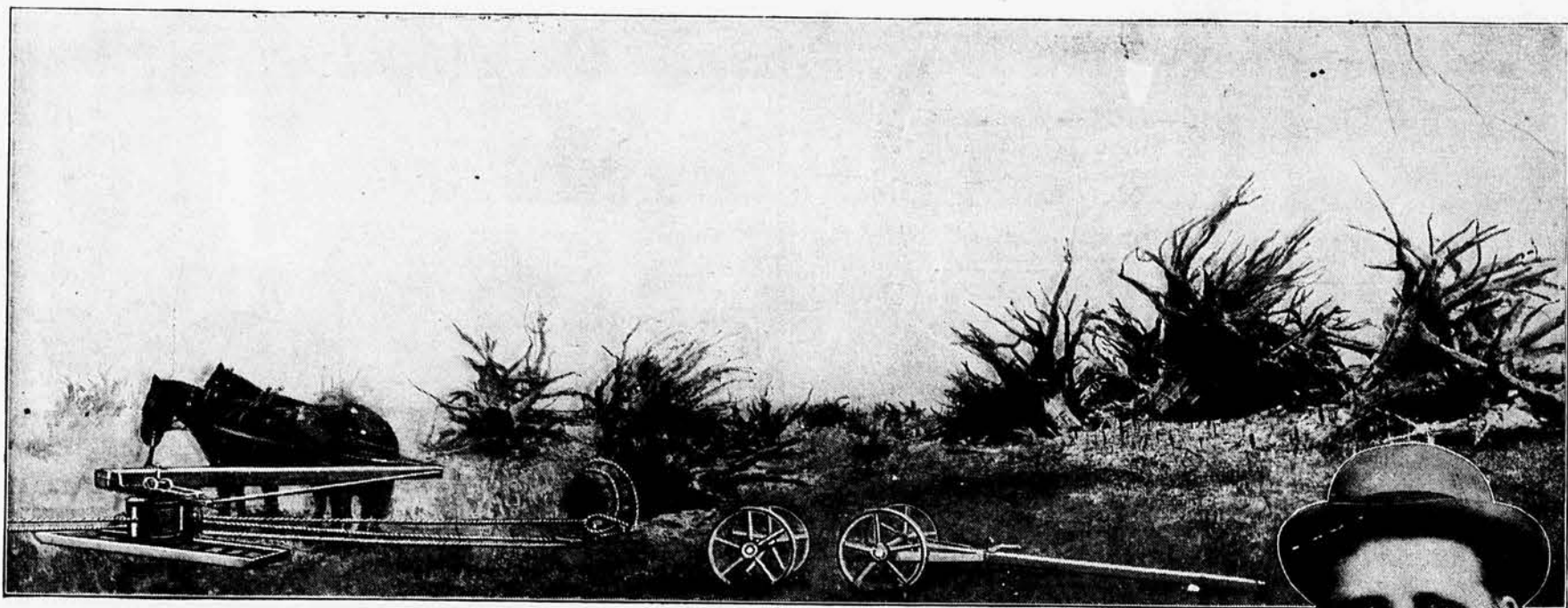
Shorthorns Priced to Sell

16 COWS AND HEIFERS, ALL IN CALF.
10 SPRING CALVES, HEIFERS.
11 SPRING CALVES, BULLS.
1 COMING TWO-YEAR-OLD BULL.

Included are such cows as Bonnie Maid, by Scotch Duke and tracing to Imported Rose of Sharon; Miss Sparks, by Red Bud and tracing to Imported Young Mary; Highland Lassie, by Aulne Duke and tracing to Imported Adelaide; Miss Walker, by Aulne Duke and tracing to imp. Young Phyllis; Goldie, by Golden Mariner and tracing to imp. Arabella. The young bulls and heifers are by and the cows and heifers are in calf to the Scotch bull Pride of Aulne, by Silvery Knight and out of Sunny Secret, tracing to imp. St. Leenwort, by Royal Victor. We are going to move and these cattle must sell soon. Write or call on



A. T. ELY, PEABODY, KANSAS



Read How Fortunes Are Made Quick by Pulling Stumps

LET me send you my new, fine free book at once. I want to show you *proof* of how you can turn each acre of stump land into a double profit the first year, in extra crops and added value of land—by pulling stumps with the Hercules All-Steel Triple-Power Stump Puller—and how you can make *big money* in your spare time by pulling stumps for your neighbors or by renting your machine at a nice fat profit.



**HERCULES
Hand-Power
Stump Puller**
LOW PRICE
120,000 lbs. Pull
ASK US ABOUT IT

My book shows *actual photographs* and prints *actual letters* from many owners, telling of the remarkable feats of the Hercules—how it pulls any size stump, green tree or hedge in less than five minutes—how it

easily pulls *an acre a day*. Read how one man increased his land value from \$25.00 an acre to \$125.00. Read why the Hercules is the *best investment* you can make now. The

Hercules Triple-Power Portable Stump Puller

is the puller that has the single, double and triple power features, giving you three machines in one. One man with a team can handle it and move it from place to place. No heavy lifting. The new portable is equipped with a solid steel bedplate and broad steel wheels. There isn't a stump, green tree or hedge grown that the Hercules won't pull out without straining or breaking any castings. It's the low-down constructed puller that has self-anchoring and stump-anchoring features—the one with double safety ratchets that insure the absolute safety of men and team. I want to send you a Hercules on

more will surely follow because of Hercules quality and efficiency. So I can easily afford to sacrifice my profit on the *first* machine in each locality. Take advantage of this big profit and big saving opportunity *now*. Besides my 30 days' free trial offer and money-saving price I give you a

3-Year Guaranty

that means something. The *all-steel construction*, the *triple-power* feature that saves your team and gives a tremendous increase of power, the *double safety ratchets* and the careful *turning and grinding of every part*—all these things make it safe for us to *guarantee the replacement of any casting of a Hercules that breaks any time within three years, whether it is the fault of the machine or your fault.*

This Free Book Tells All

Just simply send your name and address on the coupon or on a postal so I can send you the convincing facts about the superiority and efficiency and value of the Hercules Stump Puller. Only 5000 of these machines will be sold at this remarkable introductory price, so get your name in now. My new book is a beauty. See the real pictures of big stumps it has pulled out like you would pull weeds. Read the many interesting letters from farmers, lumbermen and land promoters. Stumps, stumps, stumps, pulled out quick, making fortunes for owners of Hercules Stump Pullers. I want you to know the facts. Just mail coupon or postal *now*. I'll send the book and price by return mail. I'll tell you the best crops to raise on virgin land where stumps were before. I simply want to get my free book to you at once, so that you can read the remarkable facts about the Hercules All-Steel Triple-Power Stump Puller and how it does such a splendid work making big profits for owners everywhere.

30 Days' Free Trial

so you can see how *powerful* it is and how *easy it works*. I want you to know for yourself that the all-steel construction means 60% less weight and 400% greater strength than cast-iron or "semi-steel." Besides that, I want to save you big money on the cost. I'm making a

Special Price Proposition

to the first buyer in 5000 different parts of the country. If I get one Hercules in each locality



RUSH Coupon for Book and New Low Price

Mr. B. A. Fuller, Pres., Hercules Mfg. Co.
828 24th St., Centerville, Iowa
Dear Mr. Fuller: Mail me your free book and special price offer on the Hercules All Steel Triple Power Stump Puller.

Name _____

Town _____

State _____

Route No. _____

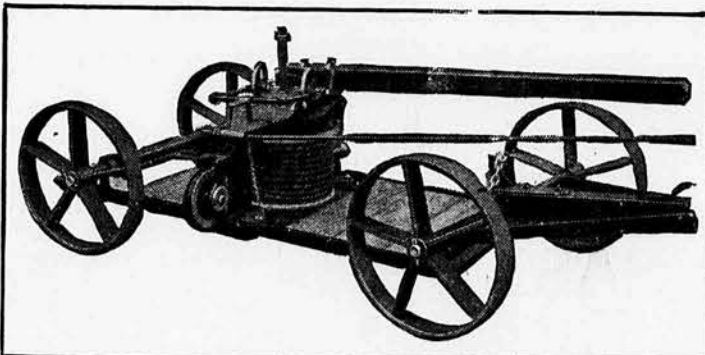
Mail Me the Coupon or Postal Right Now

before you forget, or take down the name and address and write me as soon as you get a postal card. Address me personally.

B. A. FULLER, President

**Hercules
Manufacturing
Company**

828 24th Street, Centerville, Ia.



HERCULES PORTABLE ONE-MAN PULLER FOR USE WITHOUT TEAM

THE only portable one-man puller on the market. One man can develop a pull of 120,000 pounds on the stump. When stumps are out a 14-year old boy can move puller. No heavy lugging or dragging.

The Hercules Portable excels all other hand machines, because it is so light, strong and easy to handle. It develops more power with 6 ft. lever than any other machine with 10-ft. lever. The ideal machine for the man who has no horses. Write for particulars.