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The FARMERS MAIL AND BREEZE

Fall Plowing Increases Crop Yields

By C. C. Cunningham
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FALL plowing is a good farm practice. It puts the ground in ideal condition to absorb and store the winter and early spring precipitation; it results in the destruction of many insects injurious to farm crops; it improves the physical condition of the soil; and, most important of all under the present conditions of labor shortage, it lightens the rush of work in the spring.

This year the subsoil thruout Kansas has been unusually dry. In most parts of the state there is no reserve moisture in the deep subsoil. For this reason it is more necessary than usual to put the ground in ideal condition to take up the precipitation rapidly. Deep fall or early winter plowing leaves the ground in the best possible condition to absorb moisture. As a rule an abundant reserve of moisture stored in the deep subsoil is extremely vital to the crop grown, especially if drouth prevails during midsummer. This is especially true for Central Kansas. Often the moisture stored in the soil supplements the summer precipitation sufficiently to make good or fair crops when otherwise poor yields would be obtained. For the production of crops, it has been estimated that an inch of rainfall stored in the subsoil at the time the crop is planted may be equal to 3 to 4 inches of precipitation that occurs during midsummer.

Insects exact from the farmer an enormous toll in the way of decreased yields every season. Fall plowing is one of the most effective means of controlling many insect pests, such as the corn ear worm, corn root worm, cut worm, corn root louse, wire worm, kafir ant, white grubs and maize bill bug. Some of these insects live in the ground during the winter in the pupa stage or in prepared cells which, if disturbed, usually results in their death. Fall plowing also destroys the eggs of many insects, especially the corn root aphid. Very often the beneficial results obtained in the way of controlling insects is sufficient in itself to warrant the fall plowing of land, especially that which is to be planted to corn or sorghums.

Another advantage of fall plowing is the improved physical condition of the soil which results from ground so treated. Deep fall plowing, especially if the ground is left in a loose, rough condition, exposes the soil to weathering agencies to a much better advantage than unplowed land. The alternate freezing and thaw-



ing, and wetting and drying during the winter and spring improves the tilth of the soil, producing a granular condition that is very desirable. This indirectly results in the liberation of plant food in the soil, which insures a comparatively rapid development of crops during the early stages of growth.

Fall plowed land dries off more rapidly in the spring than other ground, especially that which is covered with more or less trash. This is often very important where spring small grains, barley and oats, are to be planted, since it often permits the early seeding of these crops, while on other ground planting may be delayed from

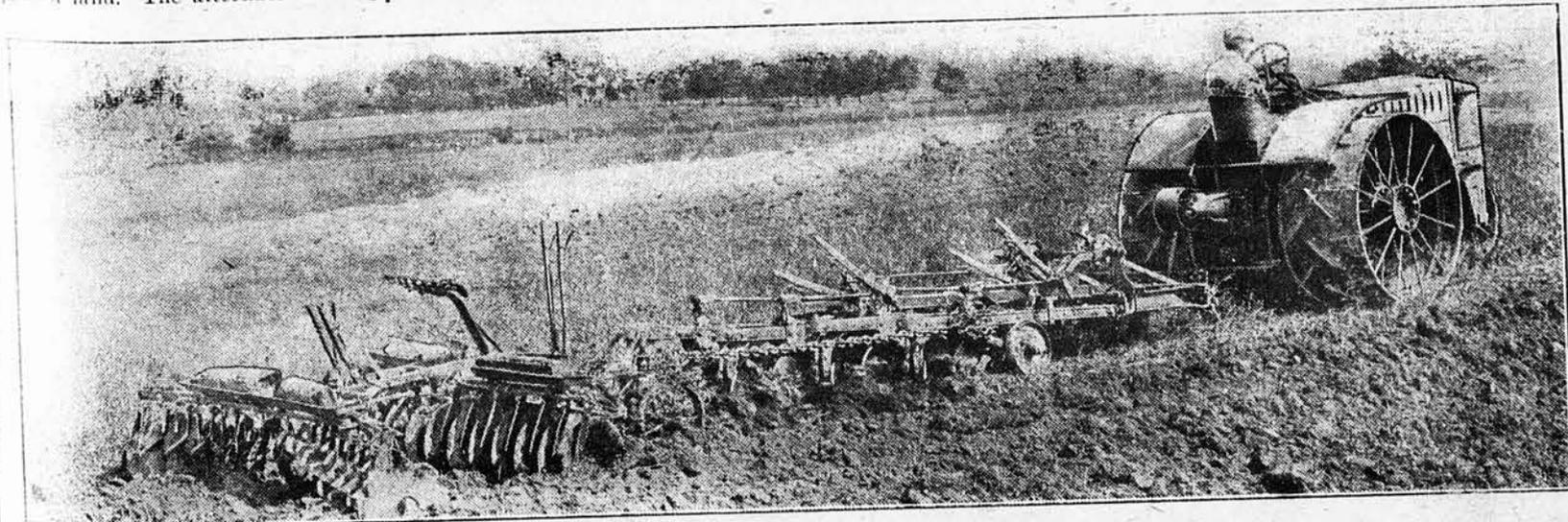
one to several weeks. Best yields are almost always obtained from early seedings of barley and oats and late plantings usually result in considerable decreases in production. Where the spring tillage of land is likely to be delayed by wet soils, fall plowing for spring small grains should be done by all means.

Organic matter, such as crop residues, weeds and other trash, when plowed under during the fall has sufficient time to decay before the crop is put in, thus liberating plant food and giving the soil time to settle into good seedbed condition. If the plowing is delayed until spring it is sometimes difficult to get the ground in good seedbed condition and the organic matter plowed under may not deteriorate soon enough to be of value to the crop grown the first season.

Fall plowing results in a better distribution of labor thruout the season. As a rule, there is a lull in the work during the late fall and winter. Any plowing that is done at that time relieves the rush of farm operations in the spring when it is often difficult to get all the work done opportunely. Just what this may result in from a financial standpoint is difficult to determine. There is no question, however, that where the preparation for the seedbed and the planting of crops can be done opportunely, better results are obtained than when the work is delayed and inefficiently done because of lack of time.

Fall plowing has certain disadvantages and, under certain conditions, it should not be practiced. Light soils that are subject to blowing should not be fall plowed unless left in a very rough condition or some means is employed to prevent blowing. It is not advisable to fall plow soils subject to excessive washing, since the loss of soil from erosion may more than offset the advantages gained by fall plowing. Very heavy clay soils in the eastern one-fourth of the state when fall plowed often become so thoroly settled during winter and spring that it is necessary to re-plow before planting a crop. In this case, no advantage is gained from fall plowing.

One of the most difficult problems with which many farmers in Western Kansas have to contend is the handling of soils that have a tendency to blow or drift. The best way to prevent blowing is to keep the soil as rough and cloddy as possible. The fall plowed ground that is seeded to wheat should be kept as rough as will be consistent with an ordinary good seedbed.



Applying Win-the-War Policy to the Automobile

A Letter to Overland Dealers:

Toledo, Ohio, Oct. 1st, 1918

OUR first consideration, as it is yours—and that of every right thinking citizen—is “win-the-war.”

Immediately following the American Declaration of War, we offered our production capacity, and the Government is using a very large part of it.

We are ready if need be to devote it entirely to war work.

The Automobile Industry as a whole is on a similar win-the-war basis.

We are building only a limited quantity of automobiles.

How many cars conditions will permit us to build for any future period is problematical—dependent wholly upon the urgency of war needs.

Any existing transportation must be used to its fullest capacity in order to increase the diminishing manpower of our home forces.

The total output of automobiles is fast becoming insufficient to replace cars wearing out in service.

And fewer cars rather than more is the production outlook.

With “win-the-war”, our first consideration—and yours—this condition places a responsibility upon us which we are bound to fulfill.

* * * *

Because it has assumed its transportation burdens so gradually few realize the extent to which the automobile is performing essential service.

—so essential that the rest of the system, railroads, trolleys and every other means of transportation that could be pressed into service, would be wholly inadequate quickly to assume the load were automobiles suddenly not available for the performance of their usual service.

In even so essential a matter as our food supply the automobile is a most important factor.

MY war-time conception of the automobile is that it is simply a given number of miles of rapid transportation.

It goes into service as a unit of our national transportation system.

In placing our restricted output of these units of our national transportation system in the hands of individuals, I want our distributors and dealers to discern the uses to which they will be put and to place each unit where it will best serve in the winning of the war.

J. M. Willys
President

Few realize that over half the automobiles now in use are owned by and serve the people of the farms upon whom we and our Allies are dependent for food.

Farm labor is already scarce.

Lack of automobiles to serve our farmers would mean a loss of untold hours of productive farm labor.

Lack of automobiles to serve our loyal industrial workers would seriously hamper our industrial efficiency.

Lack of automobiles for those who direct and serve our essential workers would hamper our national efficiency as a people.

* * * *

It is time for public appreciation of the fact that every mile that an automobile is driven needlessly is a mile of wasted trans-

portation that ultimately must be needed for essential service.

It is time for public understanding that these smaller units of our transportation system should be used and maintained with the same thought for national needs as we demand in the use and maintenance of our larger units of transportation.

Failure on our part to take every means available for us to inform the public concerning the importance of this matter would be neglecting an opportunity to perform a valuable public service and failure to live up to our win-the-war policy in a vital respect.

Let us, as automobile manufacturers and you, as automobile dealers, put ourselves on a one-hundred-percent win-the-war basis.

Let us to the full extent of our influence put the war-importance of the automobile fully before the public—you in your contact with the public—we in the public print.

Let us to the fullest extent realize that when we sell an automobile we are in reality selling miles of transportation—placing a unit of our national transportation system in the service of an individual.

Let us intelligently discern the uses to which it will be put and place each unit where it will best serve in the winning of the war.

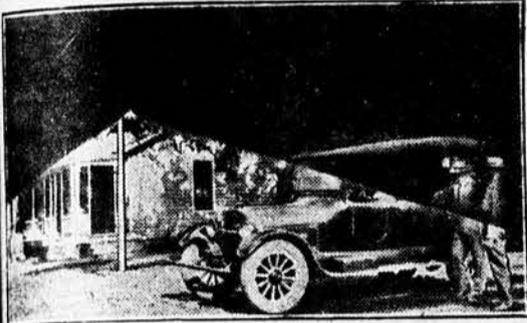
In this spirit of full co-operation we can bring about a fuller understanding and appreciation of the situation and its trend, and perform a service of value to the whole people.

Willys-Overland
Incorporated
Toledo Ohio

Electric Power Banishes All Drudgery

More Than 2300 Farm Homes in Kansas are Equipped with Many Kinds of Labor Saving Machinery and Handy Devices

YOU REMEMBER in the days when fairy tales were your greatest delight how you wished, as you eagerly followed the words in large print in your favorite story book, that you had lived in the age of princes and princesses and fairies and elves. Why couldn't you have a fairy godmother, you wondered, who



"Best of All is the Yard Light."

with a wave of her wand would say, "John has been a good boy all day. Let the wood be sawed," and straightway the wood boxes behind every stove in the house would be filled to their utmost. Or why couldn't the cows be milked with a command from your good fairy, or the churning done, the milk and cream separated, or the thousand and one other jobs in which the boy on the farm must assist, vanish forever thru some supernatural means?

Or if you were your mother's chief helper about the house, why couldn't your fairy godmother arrive while you were in the midst of your regular duties of cleaning the lamp chimneys, sweeping the floors or doing the weekly ironing and, in gentle voice as you looked up from your work at her radiant garments, why didn't she say: "That's fine, little Mary. I'm going to reward you for your patient industry"? And thereupon there would be no lamps to clean, no floors to sweep and all of the clothes would be ironed beautifully and stacked away.

You've grown up now, but sometimes with a sigh at the end of the day's work you still wish that by some supernatural means your labors might be lightened. All of us delight in fairy tales altho we have passed out of childhood's realm. Watch the gray-haired men and women at the picture shows as they follow Marguerite Clark in the portrayal of Snowwhite or Mary Pickford in Cinderella. They're back in their childhood days, wishing for their good fairies to come to their aid in their daily duties.

The age of good fairies is not past. Why not have one in your home to help you hasten the daily chores and to spend the evenings with you flooding your rooms with her cheering light? The shortage of labor makes the need of such help keenly felt.

When Ben Franklin called the lightning down from the clouds thru his kite string he began co-operation with a force more wonderful than the aid of fairies. Electricity has been bringing comforts and conveniences to city homes for many years and during the last decade its power to make the country home more comfortable also has been utilized. States in the Middle West are not lagging behind in this respect. In Kansas there are 2,300 farm homes which have electric power plants; in Nebraska, 1,500; in Missouri, 1,100, and in Oklahoma, 900.

Wishing to know firsthand what estimate farmers place on the value of such plants, I visited a number of them and wrote to others. Everywhere I found only words of praise for the farm electric power plant. Saving of time and labor is a factor given greatest emphasis by the man on the farm while the farmer's wife tells how her labor is lightened and how much more attractive her home is to her boys and girls. Every farmer who has installed a plant is so delighted with it that he's eager to tell his friends about it.

"I'll be glad to show anyone our electric plant," said Mrs. J. E. Nadeau of the vicinity of St. Marys, Kan., when we had inspected the power plant in the basement and were preparing to leave her comfortable country home. "But perhaps you'd like to see the upstairs," she added. My friends and I expressed great delight and then our hostess explained that she was always willing to show visitors thru the house, but she didn't wish to seem boastful. How could such a modest little woman seem boastful! Her pleasure in her modern country home is so great that she wishes to share it with others, perhaps as an incentive to them to provide themselves with such conveniences.

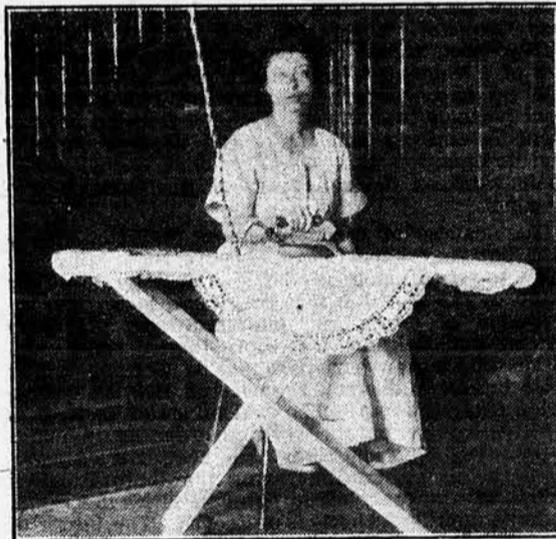
But let's begin at the basement. The plant occupies a small portion of a small basement room and includes generator and storage battery. Adjoining this compartment is the furnace room. There are 14 rooms in the house, all of which are lighted by electricity. The fixtures formerly were

BY BERTHA G. SCHMIDT

used for acetylene, both the reading lamp and the chandeliers having been adapted easily to the electric globes. Of course, the barns and the chicken house are provided with electric lights. As we stepped out on the back porch, Mrs. Nadeau said the lights in the chicken house could be switched on here and if a would-be chicken thief sought to disturb her Plymouth Rock hens he wouldn't be long in dropping the birds and continuing on his way empty-handed.

Mrs. Nadeau uses electricity to help her out on ironing day. She finds that she can do her ironing in less time and with much greater ease than with the old-fashioned sad irons. "I always sit to do my ironing," she said. It is a part of her system to make house work as easy as possible. Talk about system! Mrs. Nadeau has it down to a fine point. She works on a schedule, having a special time for everything. That, added to the fact that she uses labor savers, is no doubt the reason why she can accomplish so much in so little time. No one helps her take care of the 14 rooms in the house which are always so spick and span that she's glad to show her guests thru them. Yet she has time for herself and her family. The evenings are given over to pleasure and to crocheting. The yards and yards of beautiful crochet on dresser scarfs and pillow cases are such as would delight any woman's heart.

An electric vacuum cleaner helps Mrs. Nadeau remove dust in a jiffy. Everywhere there are signs of her appreciation of time savers. The kitchen table has an enamel top which can be cleaned easily. The enamel bowl in the bath room stands out from the wall, thus permitting the floor



One May Sit When Using an Electric Iron.

behind it being cleaned without difficulty. When I remarked about this, Mrs. Nadeau said that she wished the bath tub were placed in this way also in order that she could clean behind it more conveniently. Steam heat eliminates another possibility of dirt. During the coldest weather Mr. Nadeau fires the furnace with coal but a large part of the time wood is used.

To run this power plant, including the use of the electric pump, vacuum sweeper, electric iron and lights in the house and barn, two gallons of oil a week are required. There are 16 lights in the house, some of these being cluster lights, four in the barn, three in the poultry house, three on the porches and two in the cellar.

The home of L. N. McAfee, R. 1, Topeka, is an example of what can be done toward making over the old farm place into a modern dwelling. Mr. McAfee's home is equipped with electric light, furnace and running water. Mr. McAfee declares that electricity provides great saving of time and labor and that even when one uses it only for lighting purposes as he does in his home a plant actually pays for itself in saving oil. "Not only is this true," he said, "but the saving of time in the barns alone will pay for the plant. We realize that time is money during these days of shortage of labor. One can work much faster when the lights are bright and clear than in the dull light of the lantern. And the saving in loss from fire is inestimable."

A hot air furnace is used in the McAfee home. Cord wood is burned in it. At night the fire is banked up and needs no more attention until morning. Only during extremely cold weather is it necessary to fire it often and then the most frequent firing is every two hours. No doubt, it is all of these home conveniences that bring smiles to Mrs. McAfee's face and prompt her to say, "Yes, come

out any time. I'm always glad to show anyone thru the house."

On hot summer days an electric fan breezes its comforting coolness thru the house. Mrs. McAfee irons before it and work is a pleasure. When Mr. McAfee comes in from his farm duties, hot and tired, his body is cooled and his mind refreshed when he can sit down in front of the fan.

The kitchen is provided with a sink which lightens the labors of the culinary department. The house also has a bath room. But the electric plant isn't used to pump water. "Wind mills," Mr. McAfee answered to my query. "And it's a very poor method, too," he said. "You think Kansas is a windy state but sometimes the wind doesn't blow enough in three months to pump water to the house. It's much better to have a motor and let your electric plant do your pumping for you. You can always depend upon it."

The upkeep of the plant is practically nothing. Mr. McAfee is a farmer who keeps books as accurately as the man in business in the city. He knows exactly what everything on his farm costs and whether or not he is making a profit. The amount of time saved in the barns each day thru having them lighted by electricity is 1 hour. From one to two gallons less of oil a week is burned in running the plant than in burning oil in lamps and lanterns. Mrs. McAfee saves a half hour a day in her household duties. During the winter months \$1.25 a day is saved on farm labor.

The 5 or 10 acre plot a mile or two from the city limits offers opportunities and comforts to both the city man and the retired farmer if it possesses all the conveniences of the city home. Why should the farmer who has passed middle age move into the city and "retire"? Statistics show that with no definite duties to occupy his time he soon becomes rusty and with nothing to keep up his interest in life, old age takes possession of him and his life ends much earlier than would have been the case had he continued to spend a part of his time in profitable labor.

On the other hand, the small farm offers the farmer in middle life the amount of employment that will ward off old age and provide real interest for his declining years. Prof. H. L. Kempster, poultry expert of the Missouri College of Agriculture, cited just such an example as this. A farmer who had thought of spending his remaining years in the city instead decided to buy a 10 acre place near town and raise chickens. His monthly reports sent to Mr. Kempster showed a profit of \$1,000 from poultry alone at the end of the year.

Such a farm appeals to the city man, also, either as a place for earning a part of his livelihood or for the opportunities it affords in enjoying fresh air and good health. William Jolly, who lives near Independence, Mo., is an apt illustration of the city man who has the comforts of the city without its disadvantages, on his 5 acre plot of ground. Furnace, an electric power plant and an excellent water system provide conveniences such as one has in the city. When Mr. Jolly moved into his pretty country home a few weeks ago, he found the electric plant in bad condition from lack of care, but he immediately got next to its inner workings and in a few hours it was in the finest kind of shape and the house was flooded with a glow of light as bright as in any city home. Operation of the plant costs but 25 cents a month. Mr. Jolly said as he explained its working and the slight repairs he had made to put it into firstclass



Electric Power Makes Sewing an Easy Task.

order. This is the amount of money expended monthly for gasoline and there is practically no other expense.

The uses to which one can put electric power on the farm are almost (Continued on Page 22.)

President of the whole people and not of a mere political party, and if by any act or word of his that belief was shattered he could only hope to have the support of his own political partisans.

I believe that the plea sent out by the President asking the voters to support only Democrats was the greatest political mistake he has made since he became President, and that it will have the effect to lose to his party control of one house of Congress and possibly of both houses.

By the time this is read it will be known whether I have made a bad guess or not.

More Grease

Down in Oklahoma lives Scott Cummins, formerly of Barber county and known as the "Pilgrim Bard." Scott is interested in the sale of Liberty Bonds and sends me the following poem:

A little more grease, please, a little more grease;
Don't let up on account of the Hun howl for peace.
We are running a hell of a big war machine
And it's crushing the Boche into fine smithereens;
But never let up; let your efforts increase—
That monster machine takes a power of grease.

Every bond is a box of fine cylinder oil;
Every bond makes the blood of the plutocrat boil.
Every bond makes the pro-German lower his head;
Every bond makes the slacker e'en wish he were dead.
So whoop it up boys; on and over the top;
Grease, grease will bring peace when the enemy drops.

Truthful James

"There is a lot of talk these days about economy," remarked Truthful James, "and of course there are a lot of people who need it because takin' the American people on the average I suppose they are the most extravagant people on top of earth, but then I have known a number of what might be called more or less shinin' exceptions to the general rule. There for example was Hezekiah Pogram; Hezekiah Jonathan Pogram his full name was, but he always signed it H. Pogram in order to save ink.

"Hezekiah was just naturally a born saver. As a boy he was known as the stingiest kid that ever came down the pike. If he got hold of any money he never spent it like other boys; just salted it down. They used to tell the story that once he was holdin' a dime in his mouth and accidentally swallowed it. His mother got scared and had the doctor go after it with a stomach pump but the best he could get out of little Hezekiah was a nickel; that was as much as he would give up and he cried about that. As he grew up his disposition to save grew with him only it beat him growin'.

"He lived 3 miles from town and when he went to town he would carry his shoes in his hand and go barefoot till he got into the edge of town so as not to wear out his shoe leather. If he had to stay in town all day he never would buy anything to eat. About meal time he would saunter 'round to a grocery store and maybe pick up a cracker that was dropped by a clerk or get hold of some half rotted apples that had been thrown out in the back alley. He married a meek little woman and it was a dog's life she had to lead. He would never give her a cent to spend and when she got a new calico dress about once in two years he would talk for two weeks about the turrrible cost of cloth. He never patronized a barber, but made his wife trim his hair and whiskers with the scissors.

"Finally, his wife lost her teeth; might have saved 'em, but of course Hezekiah never would have consented to her going to a dentist. When she got down so that she had to gum it an uncle of hers came to visit her and insisted on paying for a set of false teeth. He persuaded Hezekiah that his wife would, probably, have better health and be able to do more work if she had some teeth to enable her to masticate her victuals, and as Hezekiah didn't have to dig up, he agreed. He was also lookin' ahead as it seemed.

"Well, his wife wore them teeth for five or six years before she died; just naturally worked and starved herself to death because Hezekiah wouldn't buy enough to eat, and of course he would never think of hirin' any help for her. When they come to lay her out for burial Hezekiah insisted on takin' out the false teeth. He insisted that it was a clear waste to bury them teeth and said that in case his second wife happened to be short on teeth these might come handy.

"It was the second wife, however, who got the goat of Hezekiah. His first wife hadn't been dead more than six months till he began to look 'round for another. He had an eye to business. He wanted a good strong woman who was able to do a power of work and also it occurred to him that if she had some money it might be a mighty good idea, as he figured that she would of course turn it over to him. Well, he thought he had discovered just the kind of woman he wanted in the Widow Scroggins. She was a large, raw-boned female, with a square jaw and a cold sort of gray eye. Those who knew Scroggins durin' his lifetime said that he never ranked higher than second lieutenant in his own household and when Hezekiah married her they predicted that he might have more trouble managin' her than he had with his first wife. The late William Scroggins had, with the help of his wife, accumulated considerable property, real estate and bonds, and mortgages, and likewise the long green, and all of this came to the widow, as they had no children. Hezekiah figured that the widow must be worth anyway as much as \$40,000

or \$50,000 and by addin' that to what he had accumulated he estimated that he would be the best fixed man in the county.

"It was probably because he was thinkin' so much about that wealth of the widow that made him neglect to study her eye or the set of her jaw. Some of the neighbor women who had known Hezekiah and how he had treated his first wife took it on themselves to warn the widow about what kind of a man she was about to marry, but the widow didn't seem to be worried none. 'You don't need to waste no time tellin' me what kind of a man Hezekiah J. Pogram is,' she said. 'I kin read him like he was a book and also I know him just as well now as if I hed carried the mud to make him. I know what a skinflint he is and I know just about how he must have treated his first wife. Nevertheless, I am not worryin' none. If I don't have Hezekiah so that he will lie down and roll over and eat out of my hand when I tell him to within three months after the marriage ceremony is performed, you will not hear me complainin' none. I will just own up that I didn't know what kind of a job I was undertakin' and let 'em go at that. There ain't no foolish love's dream in this business so far as I am concerned, but I have the opinion that if Hezekiah is properly handled there is considerable outcome to him and that it isn't too late to undertake his reformation. If I am fooled I will just take my medicine and make no complaints about any spilled milk.'

"Well, they were married and moved into Hezekiah's house. Hezekiah sort of hinted 'round that it would be a good and proper thing if his wife would turn her bank account over to him but she showed no indications of doing anything of the sort. About four weeks after they had been tied the delivery wagon come up to the house and unloaded enough carpet of the finest quality to cover the floors of all the rooms. Hezekiah happened to be away from home at the time; had gone to Kansas City with a couple of carloads of hogs. When he come home he discovered that the rooms had been carpeted and new paper put on the walls; also the old furniture was gone and in place of it a lot of new and high priced furniture. The painters was just finishin' the repaintin' of the house inside and out.

"Hezekiah was sort of paralyzed. 'How much did all of this here cost?' he asked in a severe tone of voice. 'Well, I haven't figured up everything yet,' said the new Mrs. Pogram, 'but it will be around \$700.' 'Seven hundred dollars!' yelled Hezekiah. 'Mrs. Pogram you oughtn't to be wastin' your money that way.' 'It happens,' said Mrs. Pogram calmly, 'that I am not wastin' my money. I don't consider fixin' this old barn of yours so that it will look sort of half way respectable is wastin' money, but if it is, it is your money that is bein' wasted; not mine.' 'I didn't give you any authority to buy these things or get this work done,' yelled Hezekiah, 'and I won't pay the bill.' 'Oh yes you are goin' to pay the bill,' said Mrs. Pogram in a calm, even tone. 'When you think you won't you are laboring under a mistake. I told the people I bought the goods from that probably you would kick about paying for them, in which event I wanted them to bring suit at once and tie up what money you have in the bank. You may notice that I had a telephone put in while you were gone and either you will give me a check signed in blank so I can fill out the whole amount or I will notify them to sue you this afternoon.'

"Hezekiah snorted and fumed but he gave her the blank check. 'I might also remark,' continued the new wife, as she put the check in her hand bag, 'that for a man who is worth as much money and property as you, to be driving 'round in that old rattle trap of a buggy with your new wife is a disgrace. I told the garage man that you were coming up tomorrow to buy a car.' 'I will do nothing of the kind,' howled Hezekiah. 'If you want a car you will have to buy it with your own money; not with mine. I'm not going to be sent to the poor house by your extravagance.' 'You will buy a car,' said Mrs. Pogram, almost sweetly, 'otherwise you will have to stay in the coal cellar without food or water till you can think it over and change your mind.' 'What y' mean by coal cellar?' yelled Hezekiah. 'Just this,' said Mrs. Pogram; and she suddenly grabbed Hezekiah by the nape of the neck, whirled him 'round and shoved him thru the open cellar door before he had time to brace himself. He fell down six steps and landed on his face on the cellar floor, skinnin' his nose and cheek considerable but otherwise not hurt except in his feelings. Then Mrs. Pogram locked the door and left him in darkness. At first he yelled and used terrible language for a church deacon, but it did no good. He vowed that he would stay there till he starved before he would buy a machine, but when night came on he began to whine and finally gave up. 'All right,' said Mrs. Pogram, 'the machine I have picked out will cost \$1,600. Write your check and hand it up and I will let you out. The motor car will be here in the morning.'

"That was the beginnin'. It wasn't long after that until the people were astonished to see Hezekiah and his wife drive into town in their new car. Hez. was dressed up in a new tailor made suit and his hair and whiskers had been trimmed by a barber. He was sure ready to eat out of his wife's hand. That evening when Hezekiah got home he went to the drawer where he kept his first wife's false teeth, took them out and looked at 'em a spell and then said to himself: 'Hezekiah, the mistake you made was in not pickin' out for your second wife a woman who hadn't any teeth.'

After the War

(From a Recent Address by Governor Capper.)

The Great War probably will end abruptly. We shall have little time to prepare for peace. In one day the whole situation may change. Then we shall have to start building up where we have been tearing down. We must begin to provide for this at once or we may be more unprepared for peace than we were for war.

When the Great War ends, the government will be faced first with the problems of returning and disbanding the men. Next it must find them employment. We shall probably have 5 million men under arms. The task of demobilizing this vast army and of returning the men to industrial, commercial and professional life certainly will be serious and more difficult than getting them together. It is beset with graver economic and political dangers. We can all see that getting 5 million men ready to do one thing is much simpler than finding 5 million jobs for 5 million men. The best brains of the nation will be needed for this great task.

At the close of the Civil War when the armies of the North were disbanded, there was widespread concern lest political and economic disturbances would follow. It happened that the nation of 50 years ago absorbed the soldiers quickly and without much difficulty. In large measure this absorption was made possible by the Homestead Act and by other legislation which opened vast tracts of public lands to settlers on easy terms. The result was the rapid development of a dozen new states that since have become the nation's greatest source of strength and means of progress. Kansas was greatly helped. Thousands of men of this state who worked out our salvation during the "hard years" in Kansas before the state found itself agriculturally, were the hardy fighters who had crushed slavery. They were men who had learned to stand stalwartly at Gettysburg, or who had gone forward with Grant at Richmond.

Some of these men for a time, at least, will remain under arms. How many and for how long a time will depend upon the sort of peace that follows the Great War. We can hardly hope for the millennium; but I am sure it is the firm determination of all America and, indeed, of the civilized world, that no ruler, no nation, must ever again be permitted to make war upon an unarmed, defenseless world.

Experience demonstrates that nothing contributes more to the stability and well-being of the people than widely distributed land ownership and land occupancy. This makes it plain that one of the first steps to provide for the home-coming of our millions of young men in Europe must be a big constructive program for more farms. It is said there still are something like 400 million acres of unused farm lands left in the United States. Here then, is the one great opportunity for the returning American soldiers to find homes and become self-supporting, while at the same time adding to the wealth of the nation.

Moreover, it is highly important that something be done without delay to alter and improve the relation of the population to the land. By the time the Great War ends more than a million men will have been drawn from the farms. An equal number should be returned to agriculture—not as temporary farm hands, but on a permanent basis.

In some sections irrigation promises much. In other parts of the country the land must be drained. In still other divisions stumps must be removed by wholesale. The character of the soils, what they are best fitted for, the kind of citizens that will do best on these different lands, must be considered and provided for first of all. The financing of all these projects will be no small undertaking. Breaking up this amount of land—equal to a dozen good-sized states—is one of the biggest contracts any government ever has taken up under such pressing urgency of time and need.

National resources must now be developed to the fullest extent. The men at the helm in Washington must see clearly. They must take in fully the whole situation. They must act broadly and with decision in no stinted manner. There must be no party favoritism, no plums to certain individuals. In this politics and party support must be forgotten.

We are about to take a great leap forward and must gather ourselves for it. We must all unite to win the right conditions in peace time just as we have united to win the war. Then this great national readjustment will be accomplished without hardship and the nation will not feel the strain which otherwise will be heavy, possibly to the breaking point.

At the same time, we cannot longer overlook the practical questions now affecting the whole farming industry and urgently awaiting a satisfactory answer.



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When you buy an International kerosene tractor you buy with it the benefit of our long farm machine experience and all the advantages of dealing with a service organization which brings a well stocked branch house or a live, wide-awake retail dealer within telephone call of you. It may surprise you to know that an International tractor, plus these advantages, which no one else can give, costs you less per year of active service than any other tractor sold in anywhere near the same numbers.

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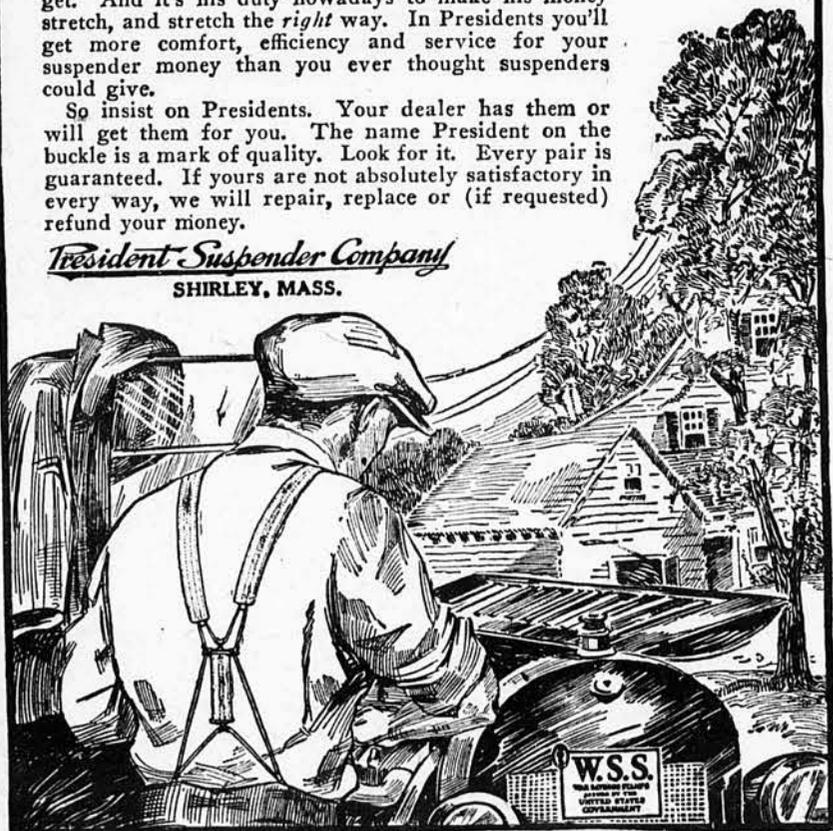
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President Suspender Company
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Farm Engineering

BY K. J. T. EKBLAW

JUST to show how important farm machinery is in foreign countries, we quote the following from the report of one of our Italian consuls:

By a decree of August 10 the Minister of Agriculture is authorized to requisition, for the period of the war and for the entire agrarian year following the declaration of peace, agricultural machines of all kinds and the materials necessary for their working, together with industrial products, either Italian or imported, having to do with agrarian production. Article 2 of this decree stipulates:

The price of renting or of requisition shall be, from time to time, and for each single lot, fixed by the Minister of Agriculture. The requisition price shall be fixed upon the basis of the cost price increased by 8 per cent as regards goods of national production, and of the cost price to the first importer increased by subsequent expenses and 3 per cent for commercial profit as regards goods imported from abroad.

A Way to Save Fuel

From all appearances, we are going to have considerable difficulty in accomplishing the necessary saving of 50 million tons of coal this season. We may have to adopt the scheme of our British in employing national kitchens to do the cooking for a whole community. Of course it wouldn't do on the farm, but in many small rural towns it should work to advantage just as in larger cities.

The scheme has been given a good tryout in London, and in addition to having superior food provided at a price lower than average, a considerable saving in fuel was effected. One restaurant cleared about \$350 a week above all expenses, including rent, operation, depreciation, and reserve for renewal. The chances also are, that it received the blessings of many a housekeeper who found the idea of going out and buying a ready-cooked dinner a mighty practicable one, especially on days when washing, ironing, or cleaning made cooking a complicated proposition.

Keep Your Old Car Working

Restrictions in the consumption of iron and steel as prescribed by the Priorities Division of the War Industries Board has hit the motor car manufacturers with great force. The demand for automobiles has been continuously on the increase in spite of tightened conditions resulting from the war situation, and even with their normal allotments of materials, motor car manufacturers are finding great difficulty in keeping up with their orders. Possibly, the reason for this was the rapid development of American business men of all kinds in their appreciation of the importance of the motor car as a distinct and important factor in commercial operations. The occasion, however, demands that the consumption of iron and steel in all industries be materially reduced in order that the war program for the coming year may be met. A survey of the various industrial fields made by the War Industries Board indicated that the field of motor car manufacturing could stand a serious cut in materials, and since the motor car industry in spite of its rapid growth, had not been established for a very long period, it was difficult to prove that it was an absolutely essential industry.

The result of all of this was a great scarcity of new motor cars and when the announcement was first made of the fact that the production of motor cars was curtailed a heavy demand for machines immediately resulted. People who had been procrastinating were suddenly galvanized into action to put in their orders for cars. In the minds of other people, where heretofore there had existed only a vague desire to own a car, there developed an immediate and intense need of one, and this simply added to the already overstrained demand. Since there were not enough new cars to go around, people began buying old ones and the market for used cars has, in the last few weeks, exhibited a most unusual strength.

A number of people who had been planning to exchange their old cars for new ones at the close of the present season will perforce have to postpone their action. The old car will have to do for another season and for perhaps still another season. It may serve to stabilize the motor car market, for

people will be brought to a realization that as far as utility is concerned, a motor car will operate very nicely for several years and that it is not necessary to have a new one every year, for no better reason than a woman wants a new Easter bonnet every year. As a matter of fact, a well constructed motor car should with reasonable attention and occasional repairs, run indefinitely. They are made so that the parts most subject to wear can be replaced and such a practice will be more generally followed when the styles in cars change less rapidly.

The thing to do then is to keep your old car working. It can be made comfortable and smooth-running and reasonably attractive as to appearance so that the owner need not be ashamed of it. Many car owners need to have the lesson taught that as a man is known by the company he keeps he will be to a certain extent, judged by the appearance of his motor car.

One of the most important things in the rehabilitation of a car is a renewal of the flexibility of the springs. The riding qualities of a car depend almost entirely upon the tires, the upholstering within the car and upon the springs beneath it. The upholstery is usually very carefully done and should remain in good condition for a long while. With the car springs it is a little different. Anyone can readily understand the action of the springs. They are made of several layers or "leaves," arranged in an elliptical form. When the spring flattens out, as a result of the car hitting a bump on the road, there is a slight movement of the leaves one over the other. Unless this movement is free and untrammelled the riding qualities of the car will be very much impaired and as a matter of fact, the springs might almost as well be removed. Some owners lubricate the springs by pouring over them a mixture of kerosene and oil, the kerosene carrying the oil in between the leaves of the spring and then absorbing it. This scheme does fairly well for a temporary lubricant but it is not satisfactory for more than a few days.

A very good method of lubricating the springs is to raise the car by putting jacks under the frame, so that the weight of the wheels and axle will pull upon the lower part of the spring and open the leaves up to some extent. Most motor car springs are bound by spring shackles around the leaves and these shackles should be loosened, in order that the leaves may have more room to open. Prepare a paste of graphite and cup grease, making it as heavy and thick as possible, then with a very thin spatula or piece of back saw blade that has been ground down, spread this paste thoroly into every crevice and over every space between the spring leaves, taking care that not too thick a layer be deposited, then lower the jacks, bounce the car vigorously up and down a few times to squeeze out the surplus paste; wipe off the springs carefully with a cloth dampened in gasoline and replace the spring shackles.

A car treated in this way will respond in a manner that will surprise the owner. If he has used his car for a season and has been wondering why it rattled and bounced so badly, he will find that a lubrication of the springs will make it ride like a cradle; vibration will be greatly reduced as will the consequent damage and deterioration. The treatment is worth while from every point of view for it gives increased comfort and longer life to the machine.

Swift's Argentine Bank

A banking and investment company has been formed in Argentina by the Swift packing house interests, which will introduce American methods of financing cattlemen.

The new organization has been authorized by presidential decree to do business for 100 years, and is authorized to engage in many activities in addition to a general banking and loan business.

Idle dollars are pro-German.

Jayhawker's Farm Notes

BY HARLEY HATCH

Good rains have fallen. Roads are soft and muddy. Cows are very scarce. Pinto beans made good yield. Alfalfa shows good growth. Manure should be used now. There is big demand for farms. Land is worth \$40 to \$85 an acre.

THIS CORNER of Kansas is going into winter quarters with the ground well soaked. Today, October 26, a heavy rain has just fallen after a full week of cloudy weather interspersed with showers which kept the ground wet nearly all the time. The ponds and creeks are slowly filling and the stock water question seems to be settled for the winter. It will be welcome to those who have had a short supply for so long; on this farm we have had plenty and at no time did we have to go to the wells to supply the cattle; we are mighty thankful that we weathered the worst drouth in 50 years so easily.

For some time we have had in an order for a car at our nearest railroad station to ship out part of the hay we had about six weeks ago; yesterday the car arrived and we were all ready to begin hauling this morning but we could not find the ground covered with water and the rain still pouring down. The car was released to go to some neighbor who lives nearer the railroad than we. It is out of the question to think of hauling hay 6 miles over a rather hilly road for the next four or five days at least.

The reason cars are so scarce at this particular point is that the government is drawing heavily from Gridley territory for its supply of prairie hay. The road leaved bluestem prairie hay is preferred by every hay buyer to all other kinds of native hay and is bought by the government in immense amounts for public use. Every car set in for hay in this vicinity which holds more than 10 tons goes to the government, leaving only the small cars for private shippers. Small cars are no longer plentiful so those who sell hay to other than government buyers often have to wait long for their turn.

While the last week has been wet it has also been warm and vegetation of all kinds has made a big growth, especially wheat. In the garden the tomato vines have grown at least 2 inches during the last seven days and they are thickly covered with blossoms as during the favorable growing weather of early summer. Cabbage, which stood awaiting moisture all during August and September, are now heading in excellent condition and I found several which had split open during the last week. Navy beans are now covered with pods but are not likely to ripen before the freeze which cannot be many days away. Pinto beans are loaded to capacity with pods filled with half grown beans which make string beans of the finest quality.

Another week like the one which ended October 26 and we will have another crop of alfalfa to harvest. It has made a wonderful growth and is very thick on the ground but is not growing up as it does in warmer weather. For this reason I do not expect any more hay from it this year. Whether or not it would be best to cut off this late growth is a question. In the North it would never do to go into winter with bare fields but here there are many winters which are wet when it seems that the shorn alfalfa or clover goes thru better than that which has a mulch.

There is now a growth large enough to pasture in all the wheat fields. Even the late sown upland fields are making a heavy growth while some of the early sown bottom wheat simply must be pastured or mowed if the present growing weather continues. Now that a sufficient growth of wheat to pasture is assured another question comes up: Will it continue so wet during the rest of the fall and winter that stock cannot be allowed on the fields?

We have so much manure to get out this fall that we had to make a start

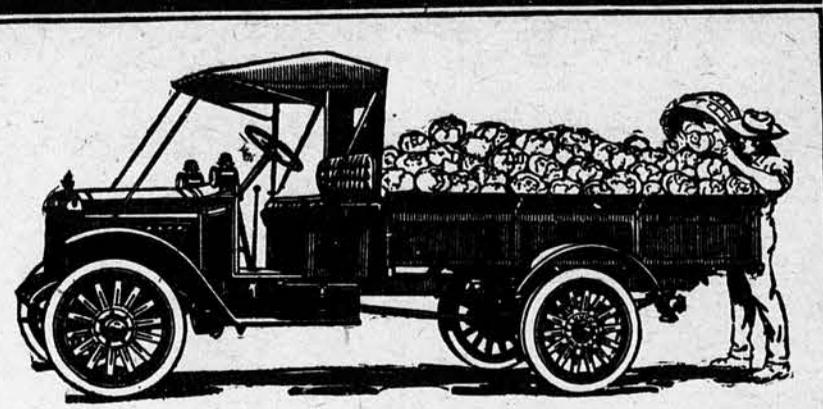
this week altho the wheat ground was almost too wet to permit the safe passage of a spreader and four horses. So we began covering a field south of the creek which is of a rather sandy nature and on which corn was grown this year. The corn has been cut on part of the field and it is here we are putting the manure. Unlike most sandy land this field is rather moist naturally and produced considerable corn even during the past drouth summer. Because of this condition of the soil manure does immense good there and almost assures good corn next year unless it is so wet that water runs out of the hillsides.

During the last month I have received a number of letters from persons, most of whom wished to buy farms, but some of whom wished to sell. I am not a land agent so cannot sell farms as requested even should I be in a position to do so. As for those who wish to buy farms here I can, in this column, answer virtually all the questions asked for nearly all are along the same line. In answering these questions here I wish it to be understood that I have no desire to enter the real estate business and that I have plenty right on this farm to keep me busy. I must ask most of those who have made inquiries to take these paragraphs as their answer. There is more than a common demand for farms this fall, especially for those of medium price, and as the land in this part of Kansas is of medium price there is a great deal of interest in it.

The price of upland farms in this part of Kansas ranges from \$40 to \$85 an acre, an average rise in price since one year ago of about \$5 an acre. The price of bottom land is not far from \$25 an acre higher than that of upland. This bottom land is usually very rich and would be worth much more than it is, were it not for the fact that much of it is subject to overflow in times of high water. The upland is mostly smooth prairie, very nice to look at and is very good wild grass land. It is much of it underlaid with a very stiff clay which some call hardpan and others gumbo but in reality it is neither. When this subsoil is close to the surface the soil dries quickly in a dry time and becomes saturated quickly in wet weather. Such land is best left in grass and this part of the country is very fortunate in having one-half the acreage still in prairie meadow or pasture.

On some of the high upland farms the water problem has been a serious one during the past summer but I think on virtually all these farms a good water supply can be had by making deep ponds. The good deep ponds of this section have not been dry in the 22 years I have lived here. The best and also a sure water supply for the house can be had by digging a cistern and putting gutters on the house. We have such a cistern and have never failed to have plenty of water. During the last summer there was at no time less than 16 feet of water in it. Most farms have wells which furnish water in plenty in all except such seasons as that of the past summer and they come not once in 50 years. But in buying a farm the water supply is one of the main things to make close inquiries about.

For crops we raise wheat, oats, corn, flax, kafir, alfalfa and clover, with much prairie hay. Corn was formerly the main crop and for years we never thought of failure. But since 1910 corn has not produced so well owing to dry seasons. Wheat has been a heavy crop in all these dry seasons and oats have produced well for years with the exception of the wet season of 1915 when they were a failure. Alfalfa grows well on both bottom and upland if it is handled rightly but it should not be pastured on the upland or it will soon kill out. This is a good stock country and a man who has enough slope or bottom land to produce corn and alfalfa together with upland enough for pasture and hay is well situated.



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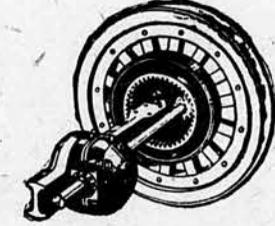
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Soldier Boys Need Money

United War Work Campaign Begins Nov. 11

BY CHARLES DILLON,
Director Rural Publicity, United War Work

THE BIG campaign for the United War Work fund will begin Monday, November 11. It will end Monday, November 18. In that time the people of America are to be asked for 170½ million dollars. The farmers are expected to provide about 35 per cent of the amount, and men who know them well and have watched their conduct in the second, third and fourth Liberty Loans declare the percentage will be higher. This belief is based on reports from many states showing the farmers' attitude toward the fund. Letters have come from every part of the country, chiefly from farmers, directed to the rural division, voicing the most friendly interest in the campaign. These letters show that most of the farmers know all about the purposes for which the money is to be used, and approve the whole plan. A few ask for details, and a few more wonder whether a fund will be needed if peace should be declared.

The farm papers have told the story several times. They have urged the importance of continuing all war work until the boys have been returned to their homes. The budgets of at least three of the seven organizations uniting in the forthcoming campaign were based on data assembled last spring, when it was thought there would be not more than 1 million American soldiers in France by November 1. The number there by that date was more than 2 million. When those budgets were made, moreover, it was thought that the total number of American soldiers on both sides of the Atlantic by next summer would not exceed 3 million whereas our military leaders are now preparing for an American army, before the end of next summer, of between 4 million and 5 million.

When America entered the war, we had fewer than 70,000 men in the navy. There are now more than 600,000 sailors and marines, and the number will be further greatly increased.

Comforts for All

It is the purpose to follow the soldiers and sailors from the time they leave their homes, while they are in transit, while they are at the training camps, large and small, while they are on their way to the ports of embarkation, as well as at those ports, while they are on the sea, during their stay at the ports of debarkation, during their experiences in further training overseas, in the zone of combat including the front line trenches, while they are at leave resorts or in the hospitals or in the prison camps, and then all the way back to their homes. The volume of expenditure necessarily grows with the steady enlargement of the fighting forces.

Five dollars will provide a lot of comforts for American soldiers in camp or across the sea. They are going to need these comforts too, for a long time to come regardless of peace or peace talk. Peace does not mean the end of army life. Indeed it does not. The soldiers cannot be abandoned at the camp after they have given their services to the country. Two million of them are a long, long way from home right now, and they will have to come back in comfort. But they cannot start tomorrow. The truth is—and it may just as well be realized now—that the American army will be more in need of the services of the seven organizations in the United War Work Campaign after peace has been declared, than it is today. When the fighting has been completed and the men have tired of Berlin there won't be very much to do. Idle men, like idle boys and girls soon get into trouble. Did you ever try to take a journey on a railway train with two or three children for whom no entertainment and no toys had been provided? If you have done this you will know what an army camp would be like with no provision for play when the work is done. It is such an important feature that General Pershing has sent requests several times for more and more help from such organizations as the Young Men's Christian Association, the Salvation Army, the Knights of Columbus, Jewish Welfare Board and the other

organizations that are working at the front. This kind of service calls for money. Instead of allowing the seven bodies to appeal to the country separately to get the funds President Wilson suggested that they be consolidated in one big drive for 170½ million dollars in the week of November 11-18. That will provide about one dollar a week a soldier for the next nine months. The country will have to provide that money. The government cannot do it. There is no thought of creed in this appeal. It is just common, ordinary, business sense. The farmers of America ought to provide at least 35 per cent of the fund. There are about 15 million persons in America earning their living in the business of agriculture on the 6½ million farms. They are not going to disappoint the confidence the nation has placed in them.

Virtually all branches of business are approving the campaign. In the convention of the National Federation of Implement and Vehicle Dealers' associations, representing more than 25,000 implement dealers held in Chicago, October 8, a resolution was adopted asking all members to consider themselves members of the United War Work Council in his community, "to insure the prompt success of the program of the seven governmentally approved societies engaged in the war work."

Bert Ball of Chicago, Room 65 Board of Trade, will give the War Work campaign all the money he can get for three cream separators. The machines are new—never used—taken for an advertising account. You'll have to write or wire Mr. Ball to learn the kind of machines he has. The name can't be used here.

Industrial Workers Meet Dec. 4

Plans for assembling at Atlantic City December 4, 5, and 6, all members of the country's 300 industrial war service committees for a great war emergency and reconstruction conference were announced recently by the War Service Executive Committee of the Chamber of Commerce of the United States.

The meeting will bring together from two to three thousand industrial workers and industrial leaders to discuss problems that have arisen with the war. National councilors of the Chamber, representing the more than 1100 commercial and industrial organizations which comprise its membership will meet at the same time and place.

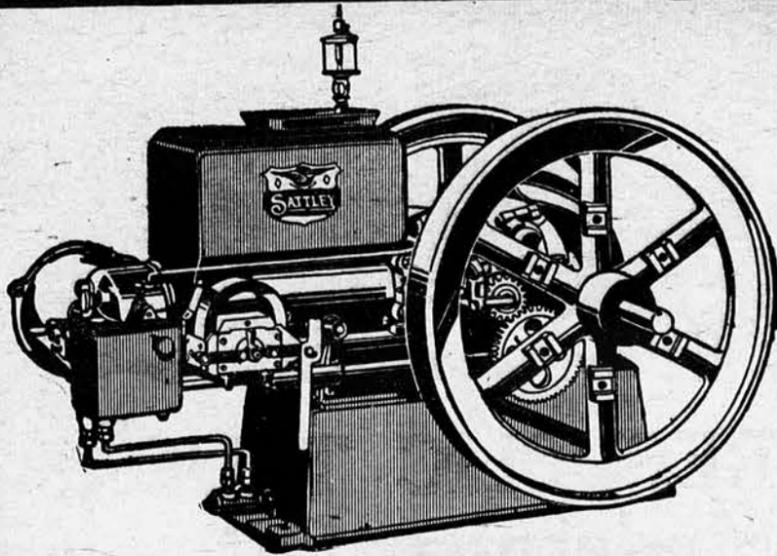
The main purpose of the conference will be the determination of practical methods whereby industry may cooperate still more closely with the government thru a more centralized scheme of organization. This probably can be accomplished best by the creation of a federation of all the war service committees. Questions of reconstruction, too, will be taken up. Questions foremost at this time in the minds of every business man will be discussed at the conference by the best authorities that can be assembled. Speakers who already have accepted invitations to appear include Secretary of Commerce William C. Redfield, J. C. Bedford, James A. Farrell and Paul Warburg.

The conferences will include general sessions at which questions common to all industries will be taken up, sessions of committees within particular industries at which specific industrial problems will be discussed, meetings of related war service committee groups and conferences of individual war service committees. National councilors of the Chamber of Commerce also will hold separate sessions.

The main conferences will be held at the Million Dollar Pier.

A dollar a week for every one of the men in the American Army and Navy. The United War Work Campaign asks for just that much. It means one drive instead of seven. Help it along. Do you understand the United War Work idea?

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ember 9, 1918.

More Pits and Shells Wanted

Response so far Has not Been Generous Enough—Governor Capper Sets November 9 as Gas Mask Day

MORE fruit pits and nut shells to be used in the making of carbon for gas masks for the boys over there are needed. The response to previous calls has not been sufficient and the Gas Defense Division of the War Department is appealing again to the people to save the pits and shells for this purpose. In response to a request from the War Department Governor Capper has issued a proclamation setting aside Saturday, November 9, as "Gas Mask Day" in Kansas, a day when special efforts to increase collection should be made by every citizen of Kansas.

The proclamation follows: The War Department, thru the Gas Defense Division, is again appealing to the people of the nation for fruit pits and shells to produce carbon for gas masks. These pits and shells produce carbon of a superior quality which serves as an absorbent of poisonous gases. One million pounds of these materials are needed daily to meet the demands. This huge amount can be obtained only thru the united and whole-hearted support of the American people.

The campaign started some weeks ago is not meeting with proper response. In order to stimulate interest and get immediate results the governments of the various states have been urged to make a special appeal to their people.

Therefore, I, Arthur Capper, Governor of the state of Kansas, hereby proclaim and designate Saturday, November 9, 1918, as Gas Mask Day in Kansas, and earnestly call upon the people of the state to put forth a special effort on that day, and on every day thereafter until the need is met, to save and collect pits or seeds from apples, peaches, plums, apricots, cherries, dates and olives, and the shells of hickory nuts, walnuts and butternuts. No other materials are desired, and government chemicals have found no use designated here to be the most effective. It is urged that in the rural communities particularly special days be set aside to gather nuts. The local chapters of the Red Cross in every community will make arrange-

ments for the collection or caring for these shells, and instructions as to how to take care of them will be issued by that organization.

"Almost every person in war work, whether on the firing line or in some other service, is called upon at some time to wear a gas mask. It is said that losses by gas are greater than those by the guns of the enemy. Here is an opportunity for every man, woman and child to render a most vital service—to save our brave soldiers from excruciating pain and possibly death—by the simple task of saving what is ordinarily waste material and holding it until such time as arrangements are made for collecting it or to deposit it in the stations which have been provided for that purpose. The need is most urgent. Let us meet this new duty with true Kansas promptness and patriotism.

"In testimony whereof I have heretofore subscribed my name and caused to be affixed the great seal of the state of Kansas. Done at Topeka, the capital, this November 2, A. D., 1918.

"ARTHUR CAPPER, Governor."

The National Farmers' Exposition

The National Farmers' Exposition will be held at the Terminal Auditorium in Toledo, O., December 6-14, 1918.

There will be a liberal display at the exposition of blooded cattle, hogs, sheep and pet stock, and of all premium winners from the various state fairs.

The tractor display will be the largest ever held under one roof, asserts Manager Buelow. Already 15 tractor makers have reserved space for the display and demonstration of these new soil tanks. Motor trucks, which have become such a necessity in the daily life of industrial and farm life, also will be shown in greater profusion than ever before.

The Ohio State university will hold the annual apple show in connection with the exposition again. R. B. Cruickshank, dean of the department of horticulture of Ohio State university, says this year's show will far surpass the one held last year both in size and quality of fruit grown.

How Kansas Farmers Delivered the Goods

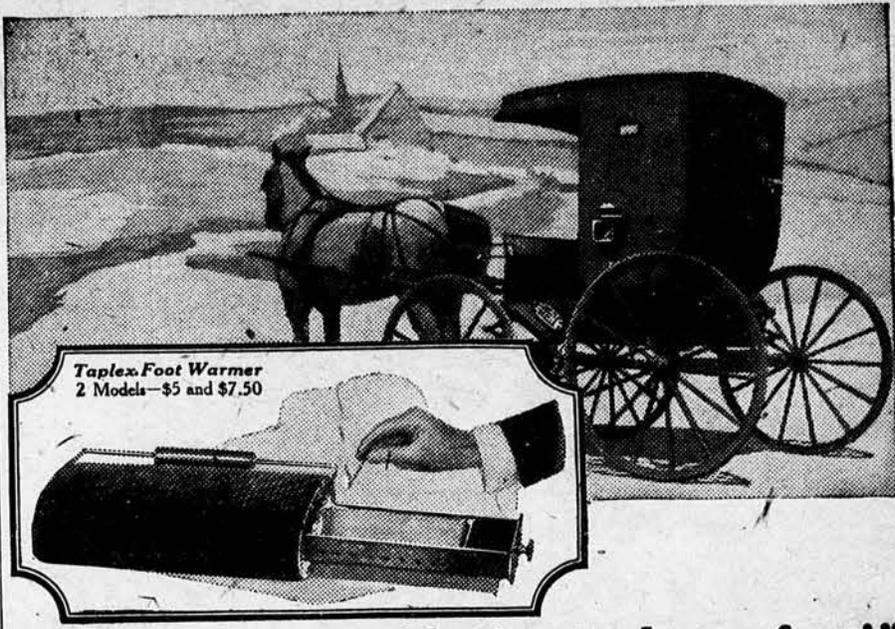
One of the leading Eastern magazines wrote to Governor Capper last week, asking him this question: "What war activity of Kansas appeals to you most? What in after years will the world regard as Kansas' greatest contribution toward the restoration of peace?"

Governor Capper replied as follows: "The war activity that continually impresses me as the most remarkable in Kansas is the action of the farmers themselves in relation to the whole war program. It is well known, that at the beginning of the war our Kansas farm people, both men and women, were almost unanimously for peace. They were for peace, first on general principles because they loved peace, and second, in relation to the so-called "European conflict" because they felt that it was a "quarrel of kings" in which the common people had no interest, and in which especially the farm people of Kansas ought to have no part.

"Soon after we entered the War the farmers quickly re-aligned themselves, and inside of a very short period they became almost unanimous in their determination to win the War for world liberty and to stay by it until Germany was entirely defeated. I never have seen or heard of such a complete reversal of sentiment and purpose in so short a time. Immediately, in the face of drouth and other discouragements they undertook, for the most part uncomplainingly, the program of increased production calling for a tremendous outlay of capital and labor; at the same time the record shows that in an increasing proportion they expended their money in helping the Liberty Bonds, Red Cross, Y. M. C. A., and other war measures, and during the same period in most cases willingly gave up the boys from the farm to go into training camps, and later to do the actual fighting in France. That is, while having it checked up to them to conduct rapidly a program of increased production calling for an unusual expenditure of their capital and labor, they accepted the program, delivered the goods and at the same time gave unreservedly to the government the two factors that seemingly they might have felt justified in withholding, namely, their capital and their farm labor.

"In my estimation anything that any of the rest of us, high or low, have done to further the cause of victory pales into insignificance in comparison with this attitude and action on the part of Kansas farmers.

Arthur Capper
Governor."



Taplex Foot Warmer
2 Models—\$5 and \$7.50

"Now you can ride in real comfort!"

"No more chills or frost-bites for you! This Taplex Foot Warmer will keep your whole body warm and comfortable—you won't know or care whether it's a cold day or not."

You can always be cozily comfortable—in your carriage or auto—in camp—anywhere—if you have a

TAPLEX FOOT WARMER

"Lights with a match"

The Taplex Foot Warmer is the senior member of the Taplex Family. The others are the Bed Warmer, Body Warmer and Handy Warmer.

Taplex Warmers are the only kind that can be put in operation anywhere at any time by applying a match. They are simple, safe, economical, efficient. They all give from 6 to 8 hours of generous, comforting heat without needing any attention whatever! All Taplex Warmers are guaranteed satisfactory or money is refunded.

Sold by general, hardware, auto-accessory, sporting goods, drug and department stores. Illustrated booklet with prices free on request. Please mention dealer's address.



Taplex Bed Warmer, \$1.00
No flame, smoke or odor; has a hundred household uses.

TAPLEX CORPORATION, 47-W. 34th St., New York City

How You Can Double Food Value of Alfalfa

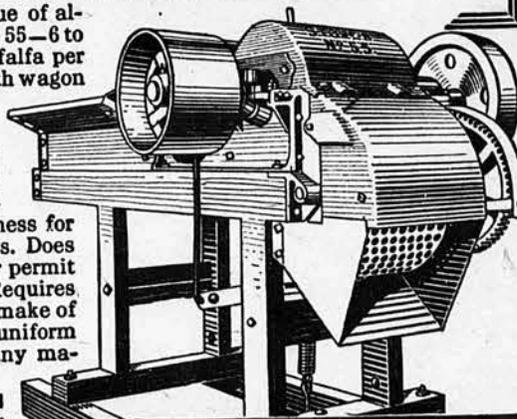
Every Bit of Alfalfa Stalk Will Be Relished If Reduced to Satisfactory Fineness for Feeding

Alfalfa stalks possess the same nutritive value as the foliage. Stalks form 50% of the bulk of alfalfa. Reduce this roughage into fine particles—not powder—with

STOVER Alfalfa Comminuter

—and double the feeding value of alfalfa. Made in two sizes: No. 55—6 to 12 h. p. Capacity 3 to 5 tons alfalfa per day. No. 56—12 to 20 h. p. with wagon box and sacking elevator. Capacity 8 to 15 tons per day.

Exclusive Features: Will handle all kinds of hay, sheaf grain, dry or damp, reducing it to satisfactory fineness for feeding or commercial purposes. Does not reduce leaves to powder, or permit stems to pass through uncut. Requires 25% less power than any other make of like capacity. Does more uniform work and more of it than any machine built for like purpose.



Write for **FREE BOOKLET** Contains much valuable information regarding food values, balanced rations, etc., and fully describes the Stover Alfalfa Comminuter. Get it and read it. It's free. Write today. **STOVER MFG. & ENGINE CO.** 918 Ideal Ave., Freeport, Ill.

Also Manuf. of Stover Good Engines, Pump Jacks, Feed Mills, Samson Windmills, etc. Since 1862. Free Catalogs. **To Dealers:** If there is no Stover Dealer in your locality, it will be well worth your while to write for the Stover proposition for 1919.



Victrola

The messenger of cheer

In homes throughout the land where the boys are absent in the service of Uncle Sam, the Victrola with its corps of noted artists is cheering the home-folks with its superb music and entertainment.

In the camps where our soldiers and sailors are gathered, the Victrola is also in active service doing its musical duty. Its cheering music and wholesome entertainment afford a welcome diversion to pleasantly while away the spare moments.

The Victrola is the messenger of cheer whose inspiring music is so necessary in these stirring war times. During the coming holiday season, it will find its way into many additional homes. And many new Victrolas and Victor Records will be among the Christmas gifts to bring joy to the hearts of the soldier and sailor boys in camp.

Victrolas and Victor Records \$12 to \$950.

There are Victor dealers everywhere and they will gladly demonstrate the Victrola and play any music you wish to hear. Write to us today for the handsome illustrated Victor catalogs and name and address of nearest Victor dealer.

Victor Talking Machine Co., Camden, N. J.

Important Notice. Victor Records and Victor Machines are scientifically coordinated and synchronized in the processes of manufacture, and their use, one with the other, is absolutely essential to a perfect reproduction.

New Victor Records demonstrated at all dealers on the 1st of each month

"Victrola" is the Registered Trademark of the Victor Talking Machine Company designating the products of this Company only.



To insure Victor quality, always look for the famous trademark, "His Master's Voice." It is on all products of the Victor Talking Machine Company.



If your subscription is soon to run out, enclose \$1.00 for a one-year subscription or \$2.00 for a three-years subscription to Farmers Mail and Breeze, Topeka, Kan.

Special Subscription Blank

Publisher Farmers Mail and Breeze, Topeka, Kan.

Dear Sir—Please find enclosed \$1.00, for which send me the Farmers Mail and Breeze for one year. \$2.00
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My subscription is
(Say whether "new" or "renewal")

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State St., Box or R. F. D.

With the Home Makers

Many Good Dishes Can be Made with Flake Hominy

BY MYRA KENTON LOWDEN

CORN and corn products are coming more and more into prominence. A very cheap yet nutritious by-product of corn is flake hominy. In appearance it resembles corn flakes but is more in substance and is pure white.

The possibilities of cooking this agreeable cereal are almost unlimited, as it can be easily substituted for rice or rolled oats in nearly any recipe. Flake hominy is quickly cooked, becoming palatable in less than 10 minutes. The following recipes are suggested for its use:

Breakfast Food—Salt 1 quart of water and let it come to a boil. Stir in 1 cup of flake hominy and allow it to boil until soft, stirring frequently to prevent scorching. Serve with butter and honey, or cream and sugar.

Flake Hominy Mush—Let a quart of salted water boil. Stir in a pint of hominy flakes and cook until thoroughly done and thick like mush. Add a cup of chopped hickory nuts, if you have them. Pour the mush into greased baking powder cans and let stand until cold and firm. Slice and fry as regular mush.

Flake Hominy Soup—Make some breakfast porridge or use that which is left. Let a quart of water and 2 cups of milk get hot. Add 1 cup of porridge, 1/2 cup of raisins, 1 tablespoon of sugar and a lump of butter. Serve hot with crackers.

Celery and Flake Hominy Puree—Boil a sliced carrot and the outer stalks and leaves of a bunch of celery together until tender, and drain. Rub thru a sieve with 1/2 cup of cold flake hominy porridge. Heat a quart of milk or milk and water, salt and butter to taste. Add some paprika for coloring, then stir in the strained mixture. Cook for a few minutes. Cold flake hominy will take the place of thickening in any cream soup and gives a new flavor.

Flake Hominy with Eggs—Plunge 1 cup of hominy flakes in a pint of boiling water and cook 5 minutes. Drain and place in a baking dish; season with salt, pepper, paprika, nutmeg and a dash of curry powder if desired. Pour over it a cup of cream or milk, and heat on the open fire. As soon as it begins to blubber, crack over it 5 or 6 eggs. Set in the oven for 10 minutes. Remove and serve garnished with parsley.

En Casserole—Boil 2 cups of flake hominy in enough water to cover for a few minutes. Drain and stir in salt, pepper, and 1 egg. Butter the casserole and spread on the bottom a layer of bread crumbs. Pour over the hominy. Sprinkle over the top more bread crumbs, lumps of butter and grated cheese. Pour over enough milk to cover and bake 20 minutes.

Flake Hominy Blanc Mange—One-half cup currant or other tart jelly. 1 cup of hominy flakes, 2 1/2 cups of water, 1 egg white, sweetened cream, dessert cherries. Boil the water and jelly together, then add the flakes. Stir and boil 10 minutes or until thickened. Pour into molds and set out to chill. When formed serve with egg white beaten over the top and dessert cherries to cap. Pour sweetened cream over the whole.



Flake Hominy is Quickly Cooked

This good woman's husband always said she kept house with brains but the 6-year-old daughter gave it away the night the teacher was invited to supper. After taking the guest's wraps the child asked to be excused for a little while, adding "We all have a list but father."

"A list! What is that?" asked the teacher. The child brought forth four pieces of cardboard about the size of postcards. One of them read: "Frances—table, water, eggs, kindling, lamps, errands." The little girl explained that Frances always hurried home from school, took her list and did her work in the order in which it was written. "Table" meant that she was to arrange the table, "eggs" were to be gathered, and so on. When these tasks were finished Frances could read or play until bedtime.

The other three cardboards were no less interesting and the teacher enjoyed the friendly rivalry observed among the four children as the work was carried to completion. The mother explained that there were also morning lists, the accomplishment of which meant early rising. One boy milked the cow, swept out the hen house and wiped the breakfast dishes. Another made the beds, tidied up the back yard and brought in the coal. The daughter of 10, under the mother's supervision, prepared an appetizing breakfast and set the table daintily. Afterwards she dusted the living room and practiced her music 20 minutes before school time.

A friend of the family, speaking of the children's work, remarked a bit enviously that the children began working at too early an age. But the teacher in comparing this home with many in which she had witnessed the mad rush to get to school in time (the children sometimes even leaving their own clothing scattered over the house), decided that for the peace of the mother, at least, the home in which the "lists" prevailed was the most exemplary. Pearl Chenoweth.

Decatur Co., Kansas.

Waste is Criminal Now

BY MRS. DORA L. THOMPSON
Jefferson County

How many gardeners would be proud to show their gardens at this time? We have seen few that looked different from ours and aside from a rank growth of tomato vines, beans, and flowers, I must admit that weeds predominate. Some persons have cleaned strawberry beds and are leaving the other weeds for frost to kill before they undertake to plow them under. This is not as it should be, we all admit, but the unusual heat and drought put such a check to the garden's production that few could see the necessity for using the hoe.

We have some beets that we shall store in the cellar. The larger ones will go to the chickens and the better ones will do for table use. If we had parsnips or salsify, we should pile them up in an orderly pile and cover rather lightly with dirt. Parsnips need to freeze but one does not need to freeze while digging them for use. We have often kept carrots in the best of condition by packing them in a barrel of damp sand. A neighbor kept some last year by burying them in the same trench he dug for his apples. He was unable to get at them until spring, however, so the sand is best for one who wishes to use the carrots during the winter. Turnips may be kept in the same way but they will keep without sand as long as the average person cares for them. It might be a wise

Keeping House With Lists

The friends and neighbors of a certain good housekeeper had wondered not a little that she had so much leisure for music, reading and other means of self-improvement, for she was not very strong, yet it was in her home as Harriet Beecher Stowe so aptly described a certain New England household, "Nothing ever seemed to be doing but always everything seemed to be done."

expedient to pit or cover some turnips for seed purposes. The cost of seed this fall was such as to keep many from sowing any.

Some of the most successful cabbage growers in this neighborhood, especially those who raise cabbage for market, bury them, heads down in long trenches. These are the cabbages that are on the market in early spring. Well matured heads have kept well for some time when pulled up, root and all, and hung up in the cellar, heads down. Onions, we are told, require a cool, dry place and that seems rather difficult to find in the winter. Personally, we have had more trouble keeping or trying to keep onions than any other vegetable. They seem determined to start their spring growth. So much in the garden may be saved in before a hard freeze that delay means waste—criminal waste now.

One of the finest collections of indoor flowers we ever saw, was a potted collection of fall flowers. There were petunias, geraniums, salvia, verbenas, lobelia, candytuft, all fresh and blooming weeks after the first killing frost.

November is a good month to set out Dutch bulbs, either in the flower garden or in pots for house use. We are sending our order this year with the intention of setting most of the bulbs in the ground. There they will grow and multiply. In the house their service is limited to one season. We have not the skill that the people of Holland have in propagating these bulbs. They seem able to grow them in the house almost as well as in the garden. We have not forgotten the beautiful bed of hyacinths, daffodils, tulips and narcissus that our florist friend had last spring. A covering of leaves was all the protection the bed had had in the winter. One writer cautions those who plant these bulbs in the ground against setting them in so low that they may rot. A raised bed is better than a sunken one, as the water will not stand on the bulbs.

The present epidemic has advertised the board of health's suggestions as few things could do. Many who have in times past slept with their windows nearly closed for fear of a chill now have one open at all times. There is probably no cause and effect relationship between the open window advice and the onion suggestion. Many are eating onions twice a day and that with good grace in the hope of preventing the "flu" from reaching them. Some good results are coming from this great evil.

Chickens May Be Canned

Will you please send me a recipe for canning chicken?—Mrs. N. H. Irving, Kan.

Kill the fowl and draw at once. Wash carefully and cool, cut into convenient sections, scald in boiling water and put at once into cold water. Pack immediately into glass jars or enameled cans, fill with boiling water, add 1 level teaspoon of salt for each quart, put caps and caps of jars into position, not tight. Cap and tip tin cans. Sterilize 3 hours in a hot water bath outfit, 2 hours in a water seal outfit at 214 degrees, 2 hours under 5 pounds of steam pressure, or 1 hour under 10 to 15 pounds of steam pressure. Remove the jars, tighten covers, invert to cool, and test the joints. Wrap the jars with paper to prevent bleaching.

What to Send the Soldier Boy

Arrangements have been completed by the War Department, the Postoffice Department and the American Red Cross whereby relatives and friends of men in service with the American Expeditionary Forces may send a Christmas package of standard size and approximately of standard contents.

One Christmas parcel label now is being issued to every man overseas, with instructions the label is to be sent to a relative or friend. The relative or friend will present the label to the Christmas parcels committee of the nearest Red Cross chapter and receive without charge one carton 3 by 4 by 9 inches in size. One must show a label in order to get a carton, and the label is to be kept by the relative or friend until the parcel is turned over to the committee to be mailed.

When completely packed, but wrapped

and untied, the weight of the carton must not exceed 2 pounds, 15 ounces.

No Christmas parcel will be accepted by the Red Cross for shipment after November 20, 1918. The person sending the parcel will affix postage sufficient to carry the parcel to Hoboken, N. J. The postage charges for Christmas packages will be at the rate of fourth class or parcel post zone rate.

Here is a list of really practicable articles that any soldier or officer will appreciate and use:

- Money belts, \$1.50 to \$3.50.
- Officers' regulation loose leaf note books, \$2.
- Searchlights, attachment for wearing, \$1.75.
- Eating set—knife, fork and spoon, folding khaki case, \$2.50.
- Same in leather case, \$3.
- Wrist watches, \$6.50 to \$25.
- Safety razors, "service" model, \$5.
- "Nee-Desk," a writing pad which straps to knee, \$1.25.
- Housewife, mending kit, 75 cents.
- Comfort kit, khaki case, containing toilet and shaving articles, without razor, \$6.50.
- "Pitall"—a case with straps and pockets for toilet articles, unfitted, \$2.50 to \$3.50.
- Olive drab handkerchiefs, 15 cents to 25 cents.
- Wool socks, white, gray, natural, 75 cents, 85 cents, \$1, \$1.50.
- Regulation shirts, \$5 to \$10.
- Wool underwear, \$5 suit up.
- Regulation mufflers, wool, \$2.50 to \$4.50.
- Slip-on sweaters, sleeveless, \$5.
- V-neck sweaters, with sleeves, O. D. wool, \$7.50, \$10, \$12.50.
- Knit helmet, O. D. wool, \$1.50 to \$3.50.
- Knit sleeping hood, wool, \$3.
- Same wool jersey, \$1.
- Army gloves, O. D. wool, \$1.25, \$1.50, \$1.75.
- Army gloves, tan leather, wrist strap, \$3.50, \$4.
- Army gloves, horsehide, \$4.
- Dried fruits and other food products should be packed in small tin or wooden boxes, 1/4 to 1/2 pound sizes.
- Hard candy, including chocolate, would probably be safe in tin foil or heavy cardboard, but no soft chocolate nor anything that could possibly be crushed should be used, as the remaining contents of the package might be spoiled thereby.
- Several dainties packed in oblong tin boxes holding each a quarter of a pound will provide a better variety for a packet than a larger quantity of a single confection.
- No liquids nor articles packed in glass should be placed in the package.
- For wrapping the gifts use a khaki colored handkerchief, 27 inches square.

Your New Winter Clothes

The upper part of ladies' and misses' coat 9041 is fitted by darts at the shoulders. The collar and cuffs may be of fur or plush. Sizes 16, 18 years, and 36, 38, 40, and 42 inches bust measure.

Ladies' and misses' dress 9043 would be pretty developed in blue serge and



braided with black silk braid. Sizes 16, 18 years, and 36, 38, 40, and 42 inches bust measure.

The vest of ladies' waist 9023 is cut in one piece and is slashed in two places at the waistline to allow the narrow belt to slip thru. Sizes 36, 38, 40, 42, and 44 inches bust measure.

These patterns may be ordered from the Pattern Department of the Farmers Mail and Breeze, Topeka, Kan. Price 10 cents each. Be sure to state size and number of pattern, when ordering.

Save every piece of good textile material. Clean, dye, and remodel. Many attractive garments may be made by such resourcefulness.

GREATER STRENGTH Fewer Spoonfuls

BIGGER SAVINGS



The value of baking powder is based on its *leavening strength*. You can't judge it by the size of the can—or by the *amount* you get for your money. You must estimate it by the amount of baking powder *used* in each baking and the *results* you get.

CALUMET

is the greatest value ever offered in Baking Powder—it has greater raising "force"—it goes further than most of the other brands. You use only a rounded or heaping teaspoonful where others call for two teaspoonfuls or more.

But Baking Powder is not all you'll save when using Calumet. You save baking materials. Calumet never fails. The last level teaspoonful is as powerful as the first. Calumet is perfectly manufactured—keeps perfectly—and is moderate in price.

You save when you buy it—You save when you use it. One trial will satisfy you of these facts—will demonstrate beyond doubt that "Calumet spells economy."

Your grocer sells it on a guarantee of money back if you are not pleased with results.

Calumet contains only such ingredients as have been approved officially by the U. S. Food Authorities.

HIGHEST QUALITY AWARDS



You do not operate this player-piano— You Play It!

THIS player-piano gives you—not the temporary novelty of operating a mechanical instrument—but the soul-satisfaction of personally playing a piano. The

House of Baldwin Manualo
The Player-Piano that is All But Human

is controlled from the pedals, the point where you instinctively try to put your natural musical feeling into the playing of the instrument. Each pedal stroke does not merely make certain notes strike, but it makes them sound with the exact volume and accent which your musical feeling desires. The force and style of the stroke are transmitted from the pedal to the piano strings as the striking of the artist's fingers is transmitted from the keys to the strings. It is as if you were in direct contact with the piano action, so sensitive is the Manualo mechanism to your every wish.

The Manualo is built into four standard instruments of the House of Baldwin, the Baldwin, the Ellington, the Hamilton and the Howard. The price varies with the price of the piano. The immense production of the House of Baldwin factories at Cincinnati and Chicago insures your getting the highest value player-piano at whatever price you pay.

Before you buy a player-piano, ask for "The A B C of the Manualo", giving complete information on the development of the player-piano and explaining in detail why the Manualo will give you continuous satisfaction.

FREE! "Songs of Our Country"

This book contains complete words and music in quartette arrangement of our ten national and patriotic songs. Tear out this advertisement, write your name and address in margin, and send to nearest address below, or mail your request on a postal card. We will send book postpaid and free.



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GET the top price for furs. Trapping pays big if you sell your furs right. Lawrence Prentice of Michigan, made \$2.13 extra money in one month by trapping in spare time and shipping the fur to "Biggs at Kansas City." Herman Johnson's trapping last season brought him in \$731.58. Emil Peterson of Minn., bought 75c worth of Biggs Bait, and we paid him \$70.45 for the furs he caught.

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Send for Price List and free subscription to our monthly magazine "The Trappers' Exchange" - greatest trappers' magazine published. Traps, Guns, Ammunition, etc., sold at factory cost. Biggs Bait is guaranteed to increase your catch or money back. Write today.

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For Our Young Readers

Transplanted from China to American Soil

BY BERTHA G. SCHMIDT

IF YOU went to a Chinese city by yourself, and there was no one else of your country there, you would probably be very lonesome. I am sure I should.

Ai Lan Giang is a little Chinese girl. She has been attending Washburn College in Topeka, Kan., for the last year, but she is not lonesome.

"I love travel and new things. I am wild. I take root anywhere," she said, as she put out her hand with a pretty gesture.

In truth, she reminds me of a dainty wild flower, slight, graceful, with a rare sweetness that is so charming in those of her race that possess it—quite different from the more lively charm of an American girl, but fully as fascinating.

The chief reason why Ai Lan is not lonesome is because she has learned the art of friendship. She knows that to have friends one must be a friend.

"Everyone is so nice to me," she said one afternoon when we sat in the swing on the porch of the house which she has called home during her college days in Topeka. "I enjoy the girls so much and many of them call on me."

"Yes, Ai Lan," I answered, "and I know why they are nice to you. Did you ever own a mirror with the motto on it 'I give back smile for smile and frown for frown?'"

Ai Lan smiled one of her charming smiles, and I knew that she understood.

After her graduation from high school in Nanking, China, Ai Lan spent a year in the Women's College in Peking. Her desire for learning was by no means satisfied. In fact, she felt she was only beginning to learn. So when the opportunity to come to the beloved America, about which she had heard so much, was afforded, she seized upon it joyously. Ai Lan had studied English for six years. She became acquainted with Mrs. Elizabeth Dadisman who was doing missionary work in China and Mrs. Dadisman induced her to come to the United States to make her home with her and to finish her education here. She has completed her first year's work in Washburn College, and now a new honor has come to her. Ai Lan has been granted a scholarship in the University of Michigan, and will at once take up her work at Ann Arbor. The scholarship is one which a wealthy American has established for the special benefit of Oriental women in American colleges.

Ai Lan's greatest ambition is to become a doctor. If she attains this desire, it will be at least six years before she returns to her own country. Then she and her brother, who is a doctor also, will have joint offices. Ai Lan rightly believes that she can be a great help to her people as a physician, but besides the physical help she will give them, her cheery, trusting disposition will always be an example to her patients and it will bring gladness and comfort where there was once pain.

"In my country there are many fortune tellers," Ai Lan said. "Do you believe in fortune telling?"

I answered that I thought each person was largely responsible for his own future, that by wrong actions we may ruin our lives and by right actions and good deeds we build up a strong and purposeful character.

"Yes," she added "and we must pray, for without God's help we can do nothing."

The members of Ai Lan's family have been Christians for four generations, and reared in this atmosphere of kindness she has not suffered the privations of many Chinese girls whose parents are heathen. Her feet have never been bent and bound into unsightly shapes—in fact, this custom to a large extent is being done away with—she has not been taught that she and all of her sex are inferior creatures, nor has she had to leave home in order to become a follower of the Christian religion and to obtain an education. Ai Lan's father is a merchant. For a time he was a preacher of the Christian gospel.

The amusements of the Christian

Chinese girls, Ai Lan says, are not very different from amusements of Christian girls in this country. They play tennis, basket ball and croquet, and enjoy all of the amusements in which school girls in the United States find pleasure. With the heathen girls it is quite different. Their chief diversion is card playing combined with gambling. They do not live the clean, hopeful lives of Christian Chinese girls.

Gather Nuts and Wild Fruits

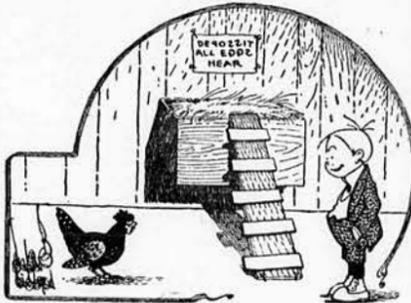
Boys and girls are Uncle Sam's young soldiers in dozens and dozens of ways. Just at present they are being called upon to help conserve food. There are a great many wild things near your home which will help mother out when she prepares meals this winter.

Gather the hickory nuts and walnuts for cake, nut-bread and salads. Store some for Christmas candies. They are as good as nuts from a distance and save freight facilities as well as food. Chestnuts are a delightful addition to poultry dressing, gravy, stews and certain desserts. Even hazelnuts furnish something to hand around when candy is not to be had. Don't leave all of the good things for the squirrels.

Every pound of rabbit meat, every quart of wild fruit consumed on the home table releases something for our soldiers and allies abroad. In many sections wild grapes are to be had for the picking. Fox grapes may be dried, made into grape leather, grape sirup, preserves, pickles or spiced grapes. Even pawpaws make an excellent butter with sorghum and persimmons when fully ripe may be dried and used like dates.

Not only can the boys and girls gather these products which would otherwise go to waste, but they can also help mother in canning, drying, salting or storing them.

Be sure to save all the shells of hickory nuts, walnuts and butternuts for the making of gas masks. Turn them in, no matter how small the quantity, to the nearest Red Cross station.



Bobbie: Gosh! I hope I spelled "eggs" right.

Here's a Vegetable Puzzle

If you can guess the name of the vegetable represented in this puzzle, send the answer to the Puzzle Editor, Farmers Mail and Breeze, Topeka, Kan. There will be packages of post-cards for the first five boys and girls sending correct answers. Give your name, age, county and complete address.



Solution October 26 puzzle—Mother Goose Rebus: There was a little man and he had a little gun, and his bullets were made of lead, lead, lead. He went to the lake and he shot a little drake, and he shot him right thru the head, head, head. The prize winners: Anna Shrouf, Mankato, Kan.; Elva Davis, Elk City, Kan.; Marjorie Reynolds, Mankato, Kan.; Kenneth Dye, Logan, Kan.; John Dyer, Atchison, Kan.

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Farmers Need Motor Trucks

Livestock and Country Products Require Rapid Service

BY JOHN W. WILKINSON
Associate Editor

MOTOR TRUCKS have proved their desirability in many parts of the United States for the rapid and efficient handling of many kinds of freight. Should we have another cold winter and heavy snows as we had last year it is possible that we again may have at least a partial paralysis of railroad transportation. In such a crisis the motor truck operating over the highways for both short and long hauls will respond to the call for help that railroad operating officers will issue again as they did last winter. Motor trucks, no doubt, will soon supplant freight trains for hauls of less than 200 miles in every section of the United States.

"There is," says a leading authority on motor trucks, "nothing new about highway transport lines. Motor truck transportation companies have been in operation in different parts of the country for years. The only thing new about this method of transportation is its development in such a short time into a nationwide service."

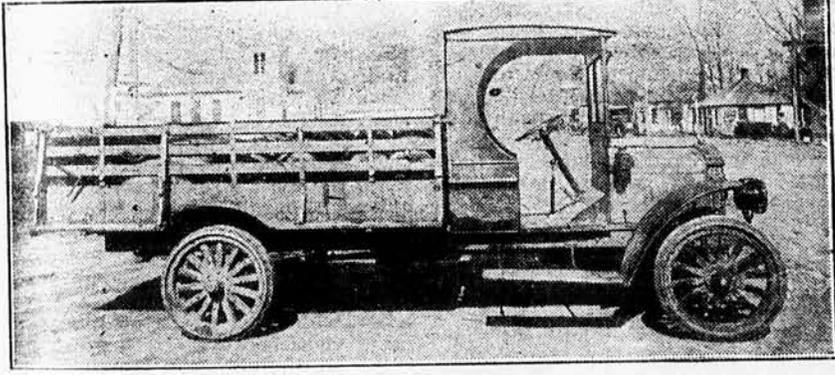
Relieves Freight Congestion

"Early transportation companies started because of the lack of railroads in certain parts of the country. The recently established transport lines

about 85 miles by rail. We also have received livestock by truck from across the Iowa line a distance of from 70 to 80 miles. There are trucks making regular trips to the market from points as far as 65 to 70 miles distant. These trucks not only haul hogs, but they also bring in cattle, calves and sheep, and very frequently they bring in mixed loads, separated by partitions. Our largest day's receipts from this source were slightly more than 1,400 hogs and nearly 200 head of cattle and calves, and 200 sheep. We did not count the vehicles employed to bring this stock to market, but we estimate that there were close to 250 trucks and wagons, of which 75 per cent were trucks.

Results at St. Joe, Missouri

"For the 9 months ending September 30, we received from this source 75,211 hogs; for the same period in 1917 we received 33,286; for the entire year of 1917, 56,529, while in 1918 our receipts were 52,048. For 24 days of October this year we received 11,622 cattle, 418 calves, 16,150 hogs, and 25,922 sheep; for the entire month of October, 1917 we received 801 cattle, 877 calves, 5834 hogs, and 1607 sheep. Most of the trucks employed in bringing stock to



Here is a Load of Hogs at the Farm Ready for Hauling to a Large City Market 25 Miles Distant.

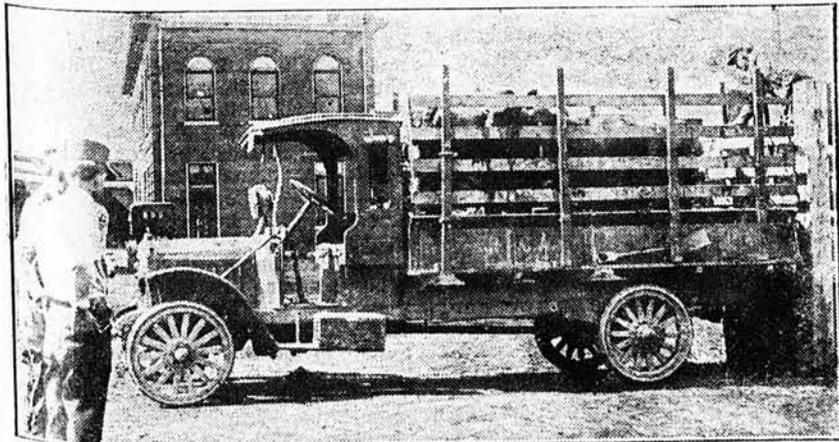
have started as a result of freight congestion and the practical refusal of express companies and the railroads to handle short haul business. The greatest promise of these lines for the future is that they are being established by companies organized to handle motor truck delivery from a commercial standpoint and make it pay. These lines are succeeding today, and if they are successful under present circumstances, there is no reason why highway transport lines should not continue after the war and become a permanent addition to the transportation system of the country. The railroads and express companies cannot profitably handle short haul business anyway, even under normal circumstances, and when merchants and buyers once become used to the speed and economy of motor truck transportation, they are going to insist that the service be continued."

"Motor trucks," says E. M. Carroll, traffic manager of the St. Joseph Stock Yards company, "are now being used to a much larger extent in transporting stock than ever before. We have had trucks in here from as far east as Chillicothe, Mo., a distance of

market are engaged in this business regularly and they range from small trailers attached to the rear end of passenger vehicles to 4 and 5 ton trucks. These larger trucks have a capacity of as much as one-third of a regular railroad car of stock. Many of these trucks are able to get a return load, especially those that come from, or pass thru inland towns, or towns not located on railroads. Some of these trucks are owned and operated by regular dealers located in the country, but the majority of them are simply engaged in transporting livestock and make a charge of so much a head or load. We believe that this movement is permanent and are going to increase our facilities for taking care of it."

Today the weakest part of the transportation of farm products to the consumer is at the first end of the line—that is between the farmer and his town. It costs as much on an average today to haul the products of the farm to the shipping point as it does to ship freight to the general market. The prices obtained for many classes of products by the farmer depend to a

(Continued on Page 22.)



This Shows How Cattle are Transported in Comfort and in Good Condition to Market at the St. Joseph Stockyards.



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by advertising. Everyone knows that so well that it isn't necessary to insist upon it. Nor will anyone dispute that every day many others by advertising are laying the foundation to more fortunes. 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 fortune. 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 Dep't., Farmers Mail and Breeze, Topeka, Kansas.

Light and Power

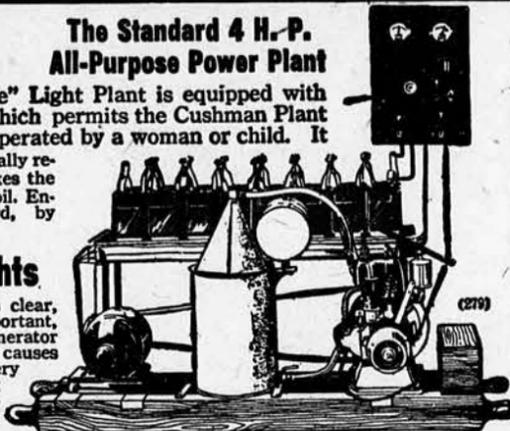
The Standard Belt Type Electric Lighting Plant

The Cushman "Does-More" Light Plant is equipped with the Cushman Self-Starter, which permits the Cushman Plant to be started, stopped and operated by a woman or child. It is the only starter that automatically releases engine compression, chokes the carburetor and turns on and off oil. Engine started from switchboard, by pushing a button.

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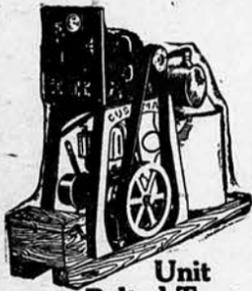
Cushman Steady Power gives clear, steady lights. This is very important, for engine vibration damages generator and storage batteries and soon causes trouble. Cushman Engines are very satisfactory for electric lighting outfits, because they run so steadily and quietly.

The Standard 4 H.-P. All-Purpose Power Plant



CUSHMAN "Does More" Light Plant

The Cushman Does More Because —



Unit Belted Type

Engine on skids may easily be detached from Light Plant and used for other jobs.

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- 5 Other machinery may be run from clutch pulley of engine at the same time batteries are being charged by belt over fly-wheel. It is the most flexible outfit. Write for Catalog No. 52.

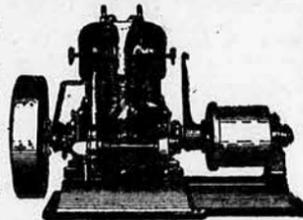
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give a service the tractor cannot give, and no other farm engines compare with them in equipment and satisfactory operation. Sizes 8 to 20 H. P.

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PLYMOUTH ROCKS, Barred, White Buff and Partridge, Anna Greenwood, Secretary, Madison, Kan.

LEGHORNS, Single Comb Brown and Single Comb White, Bessie Sell, Secretary, Fredonia, Kan.

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First Steps With Poultry

Six Basic Requirements for Efficient Production

BY I. B. REED
Poultry Specialist

IN ORDER that the production from the poultry flock may approach anything like 100 per cent efficiency, it is necessary that certain vital, fundamental principles be recognized and practiced. There is nothing really complicated about these practices, altho they require strict attention to many little details. Whenever any of these little details are neglected, whether thru carelessness or otherwise, then just in that proportion will the production be decreased.

The basic requirements for efficient poultry production are: 1. The make-up of the flock. Without the right kind of foundation stock with which to work, all efforts will be in vain. 2. Satisfactory housing conditions. Provision is necessary to guard the birds against harmful weather conditions, against depredations of vermin and disease, and to insure against their destruction of crops, or other property. 3. Intelligent feeding. Good feed, in proper proportions, is necessary if the bird is to manufacture quantities of eggs, meat or feathers, and maintain its body health at the same time. 4. Selective breeding. The entire success of our present agricultural situation depends largely upon scientific, or, selective breeding. This is true in both vegetable and animal kingdom. It is especially true with poultry, and provisions should be made to breed only from the best specimens obtainable. 5. Proper development of youngsters. It is essential that the youngsters be well reared, for, should their vitality be lowered while young, it is impossible to overcome this handicap later. 6. Sanitation. It rarely pays to doctor sick chickens, and, as "cured" chickens are worthless in the breeding pen, it is of prime importance to observe such sanitary precautions as will prevent diseases, and will maintain the normal strong constitution.

These practices, if intelligently applied will insure satisfactory production. Profitable poultry production then requires but one additional factor, namely, that of disposing of the product at a profit. This marketing is a special problem and must be considered by itself.

The Make-up of the Flock

It is manifestly impossible to designate any one particular breed or variety of chicken and say that it is best suited for every poultry raiser. It can be said, with absolute certainty however, that there is some purebred variety which is best suited to the purposes of every individual who desires to raise poultry.

Poultry has been raised for several generations by breeders who have devoted their best energies to scientific, selective breeding practices in an effort to develop varieties which would excel the older varieties in profitable production. During that time every conceivable cross has been made. It is utter fallacy for beginners to talk about this cross, or that cross, and expect to get any great results from their indiscriminate breeding practices. It is true that we expect many new varieties to be developed from time to time which will be worthy of perpetuation. This development work, however, belongs to the breeder who has the knowledge, plus the time and money, to undertake this kind of work. The beginner should not raise anything but purebred varieties.

The so called "purebred" varieties of today are simply the result of many generations of selective breeding methods applied to the more valuable birds resulting from some definite crosses, but which have been bred to the one standard for so long that they can be depended upon to produce progeny of their same general character. The great demand in all lines of business, today, may be expressed in two words—dependability, uniformity. That is just what our present purebred varieties represent. They are simply living evidences of their past breeder's success in producing chickens which can be depended upon to uniformly reproduce their desired characteristics in their progeny.

There is not one person in 10,000 whose purposes will not be realized thru some purebred variety better than by any possible cross they might make. What purebred variety? That question is probably asked by more prospective beginners than any other, and it is likely that they feel less satisfied with the answer than with the answers to most of their questions.

The Standard Breeds

The different breeds and varieties of poultry, often are roughly classed according to the purposes they meet best. These classes are: A.—Egg Class, which includes Leghorns, Minorcas, Anconas, and Campines; B.—General Purpose Class, which includes Plymouth Rocks, Wyandottes, Rhode Island Reds; C.—Meat Class, which includes Brahmans, Cochins, and Cornish; D.—Fancy Class, which includes Polish, Hamburgs, Silkies, and Bantams.

This cannot be considered as an iron-bound classification, for there is a chance for much discussion relative to the exact classification of many of the varieties. Probably the safest plan for the beginner would be to take sufficient time to find out what varieties have proved profitable for older breeders who are working along lines similar to those to be followed in his own case. It will always be found that there is quite a group of varieties which apparently leave no room for choice from their production standpoint. Right here then, is where individual taste may step in. Having determined the group of available varieties, the beginner can then select the one variety which presents the most pleasing combination of external characteristics such as color, shape, and comb.

Most of the popular so-called practical breeds such as Plymouth Rocks, Wyandottes, and Leghorns, have varieties which belong in reality in the fancy class because of the great difficulty in maintaining their standard color. Unless the beginner is sufficiently imbued with the spirit of the true fancier to see enjoyment in the many hours which must be spent in selecting and mating birds to maintain these difficult color schemes, the choice of varieties had best be confined to solid colored birds such as White, Black or Buff, or possibly Red. Other things being equal, the labor required to keep the flock looking uniform will be an important consideration and will always point to the use of solid colored varieties. The following compilations are not intended to show all of the varieties which are suited to the respective purposes. They are offered to show the varieties which are found most often in the hands of successful poultry raisers of the types indicated. Prospective beginners may well make their choice from among the varieties listed.

1.—For the Farm Flock.—When both eggs and meat are desired, select Barred, White or Buff Plymouth Rocks; White or Buff Wyandottes; Single or Rose Comb Rhode Island Reds; Buff or White Orpingtons; Black Langshans. When quantities of white eggs are the chief consideration select White or Brown Leghorns; Black Minorcas; Anconas.

2.—For the Back Yard Flock—Select Barred, White or Buff Plymouth Rocks; White or Buff Wyandottes; Single or Rose Comb Rhode Island Reds; White, Brown or Buff Leghorns; Black Minorcas; Anconas; Campines; Buff, Black or White Orpingtons; Dark or White Cornish; Red or Speckled Sussex; Light Brahmans; Black Langshans; Houdans.

3.—For the Commercial Egg Farm—Select White Leghorns; or possibly Brown Leghorns or Black Minorcas.

4.—For the Production of Meat—When broilers are the chief consideration, select White Plymouth Rocks, White Wyandottes, or Rhode Island Reds. When the production of large roasters is the aim, select White Plymouth Rocks, Light Brahmans, Black Langshans, White Cornish, White Orpingtons.

Dig up the coin and bury the Hun.

Feed for Milk Production

Rations for the Dairy Cow Should be Well Balanced

BY C. H. ECKLES

THERE ARE two factors which largely control the economical production of milk. One is adaptability of the cow used for this purpose and depends upon her individual and breed characteristics. The other is the amount of food eaten. The problem confronting the dairyman is the production of the largest amount of milk and butter at the least expense. In order that this may be realized, both the important factors mentioned must receive careful attention.

It is only possible to feed a bunch of cows economically when they are fed as individuals, and not as a herd. A practice that is entirely too common, even in the otherwise well conducted herds, is for all animals to be fed the same amount of grain regardless of the time they have been in milk or the quantity of milk individual cows are producing. Such feeding always lacks economy, as the high producing cow does not get enough, and while she may milk very well for a short time, she soon comes down to a lower level while the lighter producing cow usually gets too much and accumulates fat.

One of the difficult problems which confronts the practical feeder is how to adjust the quantity of feed to meet these individual requirements. It can be done fairly well even in the large herds by observing how much milk the cow is producing, and whether she is gaining or losing in body weight.

Amount of Grain and Roughness

The cow being adapted by nature for consuming bulky feeds does not feel satisfied unless she has sufficient bulk to the ration given at all times. An animal that is fed too much grain in proportion to the amount of roughness may seem hungry, while she really has a sufficient amount of nutrients, but so concentrated that it does not have sufficient bulk. The cow should be fed practically all the roughness she will eat up clean, and the difference in rations fed to different animals should not be so much in the amount fed as in varying amounts given:

1. Feed all the roughness they will clean up at all times.
2. Feed 1 pound of grain a day for each pound of butter fat produced a week, or one pound of grain daily for each 3 pounds of milk.
3. Feed all the cows will take without gaining in weight.

The rule regarding the amount of grain to feed a day to each cow applies only when good roughness such as corn silage and clover, cowpeas, or alfalfa hay is used.

The second part of the rule in regard to feeding 1 pound of grain for 3 pounds of milk would not work out in all cases, for a heavy milking Holstein cow this gives a little too large a quantity of grain, and with a Jersey cow giving very rich milk it is a little too low. It applies best to cows producing milk of about average composition.

If the roughness be timothy hay or corn fodder considerable more grain must be fed in proportion to the amount of milk produced. The rule based upon the butter fat produced a week is the best as it applies to any breed.

Balanced Mixture is Best

All good rations contain substances which serve two quite distinct purposes when taken into the body.

First, certain substances known as proteins build up muscle, bone and hair, and also supply the material from which is made the curd of the milk. Protein is found in almost all food but in especially large quantities in alfalfa, clover and cow pea hay, bran, cottonseed, linseed and gluten meal; also in nearly a pure form in lean meat, the white of an egg, and curd in milk. No other element can take the place of protein.

Second, another class of substances supply heat to keep the body warm, fat to be stored in the tissues as body fat or put into milk as butter fat, and energy to keep up the functions of the body.

This class is represented by two kinds of material, different in character but serving largely the same purpose in the body called carbohydrates and fats. The carbohydrates are present in large quantities and in nearly all grain such as corn, wheat and bar-

ley and in corn fodder and timothy hay in the form of starch. In other plants such as sorghum and sugar beets, it is found in the form of sugars. The fats are found in varying quantities in all common grains. All properly balanced rations must contain protein, carbohydrates and fat, and no amount of carbohydrates or fat can take the place in the body of protein.

The thing for the farmer to do is to raise the feeds he requires on his own farm, as far as possible, and it is possible to produce practically all that is needed to make a balanced ration. The place to begin in considering the feeding of an animal always is with the roughness, since the character of the roughness determines to a large extent the kind of grain it is advisable to feed.

The cheapest source of protein is in leguminous hays including clover, alfalfa and cowpea hay. If an abundance of any one of these hays is on hand, the problem of making an economical balanced ration is very much simplified. The use of these hays makes it unnecessary to buy any large quantities of bran, oil meal or cottonseed meal for ordinary dairy cows, and makes it possible that the principal grain used be corn, which is usually our cheapest grain. Even cow pea or alfalfa hay alone, with corn for grain, makes a fairly good ration for an ordinary dairy cow, and such a ration could be substituted with good results for that of timothy hay and corn fodder.

What To Use

The following rations are suggestions for the farmer rather than for the expert dairyman. They supply the necessary material to produce milk economically. If the cow will not give a good flow of milk in the early part of the milking period and when fed a liberal amount of one of these rations, it indicates she is not adapted by nature to be used as a dairy cow and should be sold. The amounts given are considered about right for the cow giving from 20 to 25 pounds of milk a day. For heavy milking cows these rations would have to be increased, especially in the grain, and for light milking cows the grain should be decreased. In making up these rations it is designed that the cow be given all the roughness she will eat and sufficient amount of grain to provide the proper amount of digestible material. It is not designed that these rations should be sufficient or the best adapted for cows of unusual dairy capacity or cows that are being fed for making records where a very maximum production is desired.

The figures given are for a day. It is expected the grain ration will be mixed in quantities and the animals fed from the mixture. For the first ration, take 25 pounds of corn silage, 10 pounds of clover hay, 4 pounds of corn and 4 pounds of bran. A second ration may be made by taking 30 pounds of corn silage, 10 pounds of alfalfa or cowpea hay, 6 pounds of corn, and 2 pounds of bran. A third ration is made by using 20 pounds of clover hay, 4 to 5 pounds of corn, and 2 to 4 pounds of oats. A fourth ration can be made by taking 20 pounds of clover hay, 5 to 7 pounds of corn or cob meal, and 2 pounds of gluten or cottonseed meal. A fifth ration may be made by taking 10 pounds of alfalfa or cowpea hay, 10 pounds of corn fodder, 5 to 7 pounds of corn, and 2 pounds of bran. Another good ration can be made by using 15 to 20 pounds of alfalfa or cowpea hay, and 8 to 10 pounds of corn.

Home Labor Saving Devices

In 11 communities of one county in Oregon the women are making homemade driers, homemade fireless cookers, and homemade iceless refrigerators under the direction of the home demonstration agent. In connection with this project one woman found that an investment of 50 cents in a dish drainer and a wire dishcloth for pots and pans saved her 10 minutes of the time required to do the dishes after each meal, or 30 minutes a day. In a year she figured this time, if accumulated, would give two weeks, of 12 hours a day, leisure. Was the investment worth while?



REGARDLESS of your age or classification, or whether you are in the draft at all, the demand for men in the automobile and tractor business has opened opportunities never before known—out of the Army as well as in the Army.

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FREE OFFER: We will send one pair of these gloves to all who send us \$1.00 to pay for a one year subscription to the Farmers Mail and Breeze. New, renewal or extension subscriptions accepted on this offer. FARMERS MAIL AND BREEZE, DEPT. M 94, TOPEKA, KAN.

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See your Moline Dealer or write us for full information and spreader catalog. Address Department 23

MOLINE PLOW CO., MOLINE, ILL.

Get the Garden Plot Ready

Make Plans in the Fall for the Spring Vegetables

BY J. W. LLOYD
Specialist in Gardening

MANY persons had gardens the past season who never had them before. The year's experiences should serve a useful purpose when plans for next season's gardening are made. Those undertaking gardening for the first time next spring should profit by the experience of others.

One of the things which has been most forcibly impressed upon experienced gardeners is the advisability of making definite preparations in the fall for the next season's gardening operations. If the decision to have a garden has not been made until spring, hurried preparations and delayed planting are better than no gardening at all, but the garden is much surer of being started under favorable conditions if preparations for the season's campaign are made in the fall.

Select Site Near House

After having reached a decision to have a garden next year, the first thing to do is to select a plot of ground for the purpose. The size and shape of the area will depend upon circumstances. A small area highly fertilized, thoroly cultivated, and intensely cropped, is likely to give more satisfactory results than a larger area insufficiently fertilized or inadequately tilled. It is unwise to undertake a larger home garden than can be cared for properly during the morning or evening hours available for the purpose. If hand methods of tillage are to be employed, as will usually be true of gardens in towns, smaller areas should be selected than where the tillage is to be done principally with horse tools, as should be the case in most home gardens located on farms.

If possible, the garden should be located near the house. If the back yard is sufficiently large and not too shady, it is the logical place for the garden.

The area selected for the garden should be well exposed to sunlight, rather than shaded by trees or buildings. It should be a well drained spot—one on which water does not stand after a rain. A gentle southern slope is an ideal location. The soil should be of a loamy nature rather than heavy clay or light sand, but a soil that is naturally too heavy or too light may be greatly improved for gardening purposes by the addition of organic matter.

As soon as possible after the area for the garden has been selected, it should be cleared of any trash or rubbish that may be upon it, such as weeds, refuse from preceding crops, tin cans, stones, broken bricks, blocks of wood, old iron or wire, broken bottles, etc. After the surface has been freed from foreign matter of these sorts, additional material that may be brought to light during subsequent working of the soil should likewise be removed.

Even if the garden may be located where the soil is considered rich, it will be greatly benefited by a liberal application of manure. Soil must be much richer for successful gardening than for general farming. Stable manure should be applied broadcast at

the rate of about 40 tons an acre. This will be 1 ton to 4 square rods, or an area 33 by 33 feet. The manure will provide both plant food and organic matter, and thus improve both the chemical and the mechanical condition of the soil.

The manure thus applied in the fall should be turned under by deep plowing before the ground freezes. October is a good month in which to plow the garden. Some of the advantages of manuring and plowing the land in the fall instead of waiting till spring are that the manure becomes better incorporated with the soil, the land reaches workable condition earlier in the spring, and the labor of plowing has already been accomplished, so that the final preparation of the soil for planting may proceed without delay, as soon as spring opens. This helps materially in getting the garden planted early.

If the garden is located in a low place and in a region where the soil is acid, ground limestone should be applied at the rate of about 4 tons an acre, or 50 pounds a square rod. This should be applied broadcast after the ground has been plowed or spaded in the fall. In some localities it is difficult to obtain ground limestone in small quantities. However, if the locality is one where the soil is especially in need of limestone treatment, farmers in the vicinity usually will be shipping in limestone in carload lots, and doubtless arrangements could be made with some farmer for obtaining from his car the limestone needed.

Fertilize the Soil

Some soils are deficient in phosphorus. This element can most readily be supplied to gardens in the form of steamed bone meal. This material should be applied broadcast in the spring and thoroly worked into the soil with tillage tools while preparing the seed bed. Steamed bone meal should be used on garden soil at the rate of about 400 pounds an acre, or 2½ pounds a square rod. This material should be ordered in the fall and stored in a dry place over winter, in order that it may be at hand when needed in the spring.

Whether limestone and steamed bone meal are to be used or not, the garden should by all means be manured and plowed or spaded in the fall, wherever this is possible. Fall plowing or spading destroys many insects that normally winter over in the soil; it leaves the surface exposed to the beneficial effects of alternate freezing and thawing; and permits early working of the soil in the spring, when every day gained is a distinct advantage.

Now is the time to make preparations for next year's garden. It is probable that vegetable gardens will play a more important part next year than ever before in contributing to the world's food supply. Every person who can possibly do so should plan to supply at least his own table with vegetables from his own garden. In order to be sure of having a good garden next year, it is wise to begin preparations this fall.



They Made Plans to Beat Down the High Cost of Living with Garden Stuff and are Planning to Can All Surplus Fruits and Vegetables.

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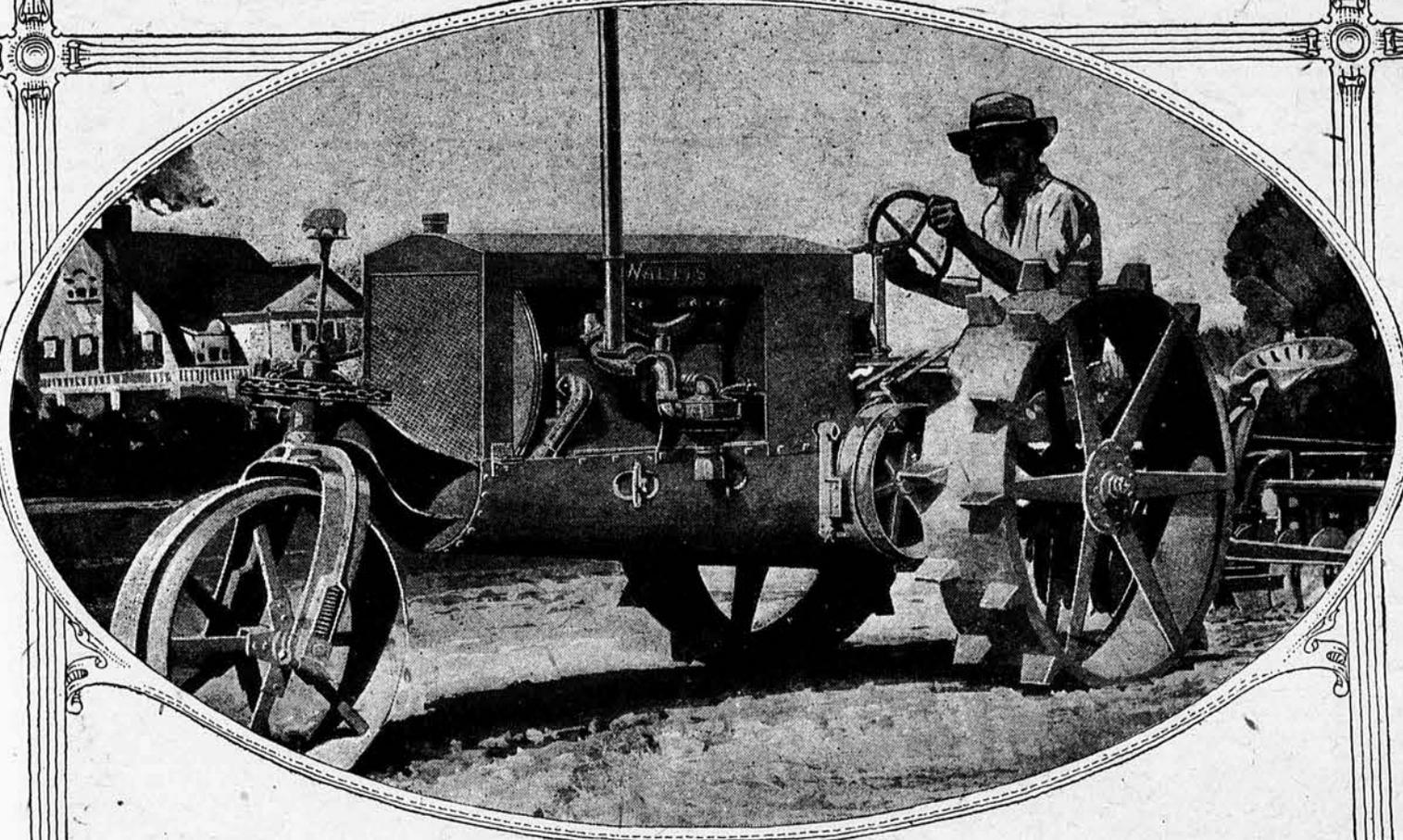
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The Club Girls are Racing

They'll Make the Feathers Fly in the Poultry Game

BY BERTHA G. SCHMIDT
Secretary

WHOLELL be the first girl to send in an application for membership in the Capper Poultry club of 1919?

I asked myself that question two weeks ago when the application blank went into the Farmers Mail and Breeze. I wondered if it would be some little girl whom I had never heard from before or one of the numerous club friends who have been writing to me for several weeks, asking when the new club would be announced. And who do you suppose it was?

Well, it wasn't any use to ask myself the question, for I never could have guessed right. The first girl was no other than Lillian Brun, leader of the Atchison county club. It really wasn't



Bertha Harms.

necessary for Lillian to send an application, as she had answered "Yes" on the card of inquiry which I sent out to all present members some weeks ago, but I was glad to have this double assurance that she wishes to go back into the club.

As the club rules will be so different next year, we have decided to let girls who already have been members two years line up for the third year's work. But they'll have to be very, very good, won't they, and boost the new club in every way they can. I'm counting on these third year members being some of the hardest workers, and I know they're going to be. They've had so much fun in the club these two years that they're eager to make the new girls have the most fun possible.

The second year members of course may go into the club again, also. "When I saw the application blank in the Farmers Mail and Breeze I asked mamma if I could go back into the Capper Poultry club," Norma Reynolds, of Johnson county, wrote. "She said

'Yes, it is making a good girl of you.' So I laughed and hurried to fill out the application blank."

When I read Norma's letter I laughed, too. That's a new recommendation for the poultry club, isn't it—making good girls. But I knew that Norma didn't need to join the poultry club for that purpose, for she's the finest kind of a little girl. You should see how she helps her mother, not only with the chickens, but with everything.

I've told you about a first year member and a second year member and here's a letter from another little girl who I'm almost sure is going to be a third year member because I don't see how we could fail to choose a girl with so much pep for membership. "I read the announcement story in the Farmers Mail and Breeze and the stories in all the back issues I could find," Helen Early, of Shawnee county, says. "My plan is to write to the various school teachers that I know and ask them if they will give me the names of the girls in the district who are ambitious and wide-awake and who they think will be interested in club work. If I get some new members, can I do anything for them besides sending in their names?"

Helen is showing the right kind of helpful spirit and showing it early. I haven't met her personally yet, but I shouldn't be surprised if her name suits her exactly right. And you should see

her beautiful writing; it looks just exactly as if it came out of a copy book.

It's wonderfully exciting to open the numerous letters as they arrive and to see from what part of the state the applications are sent. They're coming thick and fast these days, and I feel assured that the club is going to be the best ever in the year to come, just as I have told you so many times.

As soon as applications from new members are received, recommendation blanks and letters of instruction are sent in reply. The recommendation blanks should be properly filled as soon as possible and returned to me. If your recommendations are accepted, then you are lined up for membership and I will write to you and tell you so. In reply you will let me know whether or not it will be necessary for you to borrow money, filling out the proper kind of a contract. You see the system works out beautifully and there will be few questions for you to ask if you follow the instructions.

Many girls are wishing to know what breed of chickens they should enter. You may enter any kind you wish. We have no favorites, but they must be purebreds. New members are also asking how long their eight purebred pullets and cockerel must be penned. The penning period will be from February 1 to June 30, 1919. During this time an accurate record of the expense and income of the fowls is to be kept. Each member will send a monthly report of her purebreds to her county leader, who in turn will send it to me. If there are less than three members in a county, no leader will be appointed and the monthly reports will be sent direct to me.

Reports of prize winnings at county fairs and poultry shows are still coming in from members of the present club. Gertrude Brazil won second premium on her White Wyandottes at the Vinland Grange Fair.

"I tell you that I am going to see that Douglas county has a complete membership next year," Gertrude writes, "for if every girl in Kansas only knew what fun it is to take care of her own chickens, and then to go to the monthly club meetings and to the big meeting at the fair in Topeka, and to keep records, I believe every girl in Kansas would join the Capper Poultry club. If Douglas county doesn't have a complete membership without me this year, I shall go back into the club, but if some new girl wants to take my place I will let her because I've been a member two years."

Marion Gregg, of Crawford county, has been carrying off just lots of prizes on her Barred Plymouth Rocks. At the Labette county fair she won first on hen, first on cockerel, first and second on pullet and first on pen; at the Cherokee county fair she carried off first and second on cockerel; first, second and third on pullet and first on pen.

Letha Emery, county leader for Crawford county, recently received her check for the money won on her Single Comb Brown Leghorns at the Labette county fair. She won first on cockerel and first and second on pullet. At the Cherokee county fair she received second on cockerel, second on hen and second and third on pullet.

Gwendolyn White, leader of the Shawnee county club, took first premium on four of her Single Comb White Leghorn pullets and a cockerel at the Indian Creek Grange fair.

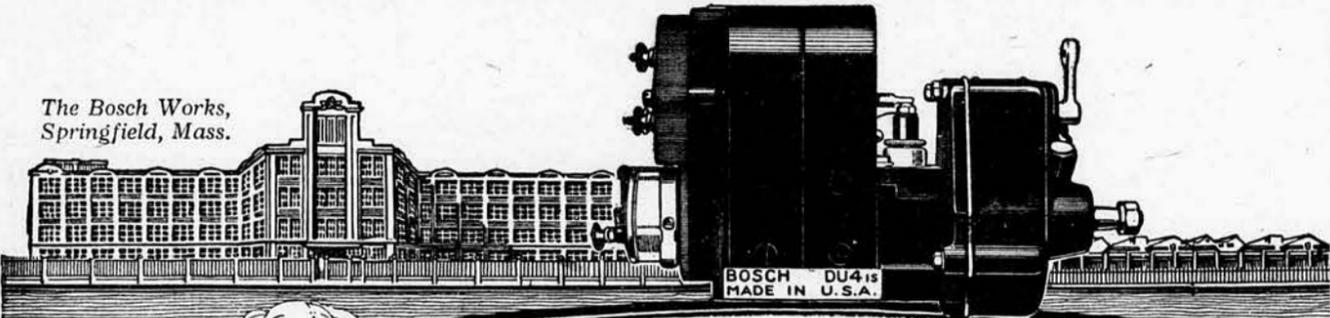
A beautiful trio of Rose Comb Rhode Island Whites, awarded to Ella Bailey by Mrs. J. M. Post, for doing the best work in the contest for 1917 with this variety of chickens, recently reached her. Mrs. Post purchased the chickens from John Kucera, of Colony, Kan. Ella is delighted with them.

Supplies of the fall catalog giving the list of chickens which Capper Poultry club girls have for sale have been sent to all of the breed club secretaries. These secretaries whose names and addresses appear in the advertisement in this issue of the Farmers Mail and Breeze will be glad to mail the catalog to anyone requesting it.

In answering prospective purchasers it will be well for members of the club to use their breed club stationery. We still have a small supply on hand which may be purchased at the rate of 1 cent for a letterhead and envelope.

The picture used with this week's poultry club story is of Bertha Harms, of Pottawatomie county. Bertha is president of the Orpington Poultry Breeders' association.

The Bosch Works, Springfield, Mass.



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Magneto ignition is the system used in every branch of war-work—in tanks, airplanes, ambulances, trucks, motorcycles. When the stake is too high to take chances, magneto ignition is what they depend upon. They are sure of it.

You, who are serving behind the lines in producing food for our boys, know that tractor service compares with war service for severity. Tractor service demands rugged strength. To be a good investment a tractor must stick to its job **steadily**. That is why so many far-sighted tractor-makers fit

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Bosch costs them more than ordinary ignition systems, but they consider efficiency first.

If the tractor you select is not equipped with a Bosch Magneto with Impulse Starter, insist upon having Bosch installed. The Bosch Impulse Starter has won immediate success. This big, strong, simple device makes quick, easy starting a certainty.

Specify "Bosch Magneto Ignition" on your order or have Bosch installed on your present tractor by any Bosch service station.

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Correspondence Invited

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Who'll Make the First Score

Lyon County "Kicks Off" and the Game is On

BY EARLE H. WHITMAN
Club Manager

I AM SENDING my application for membership in the Capper Pig Club. I have just been to the mailbox to get this copy of the Farmers Mail and Breeze, and I intend to head off the mail-carrier at a corner a mile from our place." That's the way Les-



Ezra Sanders, Labette County

Stewart of Lyon county is going after a place in the Capper Pig Club for 1919. Leslie knows just how much fun and profit there is in the game, for his brother, Harvey, has been Lyon county leader for two years, and his dad is enrolled in the father and son department for 1918.

But Leslie isn't the only wide-awake fellow to clip an application blank from the Farmers Mail and Breeze and get it to the club manager by return mail. Letters are pouring in every day from lusty chaps who want to take advantage of the opportunity to get started in the swine business. So if you're interested in the club don't put off getting lined up for work. A very large number of members of this year's club are enrolling for another year, but at present there are vacant places in every county. The fellows who have been thru one year of work are talking club to their friends, tho, so counties will soon be filling up fast.

One of the important changes made in club rules for 1919 is that relating to mutual insurance. Altho the plan was tried for the first time in 1918, there is no doubt that a big future is in store for it. The average assessment for club members was larger than was expected, but even then the cost of protection was only 4 per cent of the value of the sows entered in the contest. For 1919 sows will be protected only at farrowing time. This will cut down the number of losses, yet will protect club members at the time when most losses are sustained. If the fund provided by the first assessment of \$1 does not take care of all losses, another assessment will be taken, the amount of the assessment to depend on the valuation of the sow entered. After experiencing the benefit of the protection afforded by the mutual insurance plan, members of the 1918 club who attended the fall pep meetings voted unanimously that the plan be continued.

It's more fun to go hunting or fishing with your pal than to tramp off alone, isn't it? Well, Capper Pig Club boys have found that there is much more pleasure in the social part of club work if there is a full membership of the Capper Poultry Club in their county. Counties which have made the finest showing in the race for the pep trophy this year have a complete lineup for both the pig and poultry clubs. It always takes the girls to supply good "eats" when it comes to having picnics, you know, and when those girls are raising chickens they're ready to provide the drumsticks.

Now here's why I'm talking about the poultry club: Many boys who are lining up for Capper Pig Club work have sisters or friends who would be interested in learning about the club. Arthur Capper has for the girls. Tell them what a good chance there is for pleasure and profit in club work and have them send in an application for membership. Work like that will soon result in 20 boys and girls lined up for your county, and that will be a big start for the race next year.

Why shouldn't Capper Pig Club boys

be enthusiastic about their work? Here's what Arthur Flinner of Leavenworth county has to say when he writes in about his note: "I have sold enough hogs to pay for the sow I got to enter in the pig club, have bought a \$50 Liberty Bond, two 'Baby Bonds,' and will have some money left." How's that for profit from a summer's work? And speaking of Liberty Bonds and War Savings Stamps, I'm willing to wager that our boys have lent Uncle Sam a large sum of money as well as produced somewhere around a million pounds of pork. Some of these days I as going to ask all members of the 1918 club to tell me the amount of bonds, War Savings Stamps and Thrift Stamps they own. That will be a story by itself.

Every club member should be proud of the sale catalog which is now ready for distribution. Take a look at the advertisement of the catalog as it appears in the livestock section of the Farmers Mail and Breeze for this week. An offering totaling 1,078 pigs means that Capper Pig Club boys are going to show some big profit records for 1918. As I have often said, Capper Pig

Club work means much more than merely winning prizes. One of the club mottoes is "More and Better Swine for Kansas Farms." Every club member should feel that he owes it to himself to acquire all the knowledge he can on the subject of swine raising. The Farmers Mail and Breeze often has good articles on the care of the sow before farrowing, handling and feeding the young pigs, and other information which will be of value during your contest work. Why not begin now to clip from the paper all such articles

and paste them in a scrap-book? Government and state agricultural college bulletins of real value may be obtained by writing to the United States Department of Agriculture, Washington, D. C., and the Kansas State Agricultural College, Manhattan. A bulletin which would be of especial interest to members of the 1918 club is Circular 83, "Swine-Judging Suggestions for Pig Club Members," issued by the Department of Agriculture. Write to the department for this bulletin, giving the number; it's free.

Capper Pig and Poultry Clubs

Capper Building, Topeka, Kan.

Earle H. Whitman, Contest Manager; Bertha G. Schmidt, Secretary. Send Pig Club applications to Mr. Whitman; Poultry Club to Miss Schmidt.

I hereby make application for selection as one of the representatives of.....county in the Capper

.....Club.

(Write pig or poultry club)
I will try to get the required recommendations, and if chosen as a representative of my county I will carefully follow all instructions concerning the club work and will comply with the contest rules. I promise to read articles concerning club work in the Farmers Mail and Breeze, and will make every effort to acquire information about care and feeding of my contest entry.

Signed Age

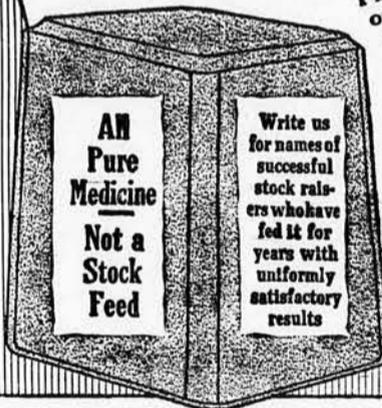
Approved Parent or Guardian.

Postoffice..... R. F. D..... Date.....
Age Limit: Boys, 12 to 18; Girls, 10 to 18.

Carey-ized STOCK TONIC BRICK BLOCK

Our Positive Guarantee of Satisfaction

We guarantee that Carey-ized Stock Tonic Brick or Block contains no harmful materials of any kind; that it is a scientifically correct combination of universally recognized health promoting mineral and vegetable medicines which all animals need, and that it will give you satisfactory results in a 60-day trial feed.



Place the 3-lb. Bricks or a 50-lb. Block Tonic in your feed boxes, feed lot or pasture. Let your live stock have free access to it for 60 days. If, at the end of that time, your animals are not in better health than ever before—eat better, look better, act better, or if, for any reason you are not entirely satisfied with the result, return what is left of the tonic and get ALL YOUR MONEY BACK. We will pay carrying charges both ways.

Cut Down Chances of Live Stock Loss

Waiting till animals are sick before treating them, and failing to supply them with necessary mineral and other materials in which ordinary grain rations are deficient, is costing stock raisers millions of dollars annually—in unthriftiness and loss by disease.

Carey-ized Stock Tonic Brick or Block represents the sure, economical, trouble-proof way of preserving animal health and getting the most for your feed money from hogs, cattle, sheep and horses. It is "the ounce of prevention"—supplies animals regularly with tonics, minerals and vegetable medicines which they need and crave—at the right time and in the right quantity. Also salts them regularly as their instincts demand.

Ask Your Veterinarian About These Ingredients

- Powdered Gentian Root
- Sulphur, Charcoal
- Sulphate of Iron
- Carbonized Feat
- Bi-Carbonate of Soda
- Quassia, Pure Dairy Salt

Experience and chemical science have demonstrated that the correct combination of the above named materials as found in Carey-ized Stock Tonic is an effective worm destroyer and conditioner for all live stock—expels worms, tends to prevent scours, thumps, colic, heaves, etc.—keeps stomach, bowels, liver and kidneys in healthy activity—tones up entire animal system—fortifies it against contagious and infectious diseases.

Put Up in 3-lb. Bricks and 50-lb. Blocks to Meet Every Requirement

Solid brick or block form permits it to be placed where animals can have access to it all the time and partake of it as their instincts dictate. Prevents waste; preserves full medicinal strength to the last bit; saves you all worry.

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Order 12 bricks or a 50-lb. block from your dealer. If he cannot supply you send us his name (no money) and we will send him for you 12 bricks (35 lbs.) at \$2.50 f.o.b. Hutchinson, or 50-lb. block \$3. Or if you prefer, send us the amount and we will supply you direct, freight to directions, you are not entirely satisfied, return what you have left and we will refund your money, including carrying charges. Our guarantee is good. Ask your banker.

Write for Free Book—"Making Live Stock Pay"

The Carey Salt Company, Dept. 230, Hutchinson, Kansas

Carey Salt Co., Dept. 230, Hutchinson, Kan. Please ship Carey-ized Stock Tonic as per check mark below under your 60-Day Trial Offer.

- Care of My Dealer.
- Direct to Me (money order enclosed).
- One 24-Brick Case.
- One 12-Brick Case.
- One 50-lb. Block.
- Send Free Book "Making Live Stock Pay."

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Sheep in November

ANTHONY R. GOULD
In Shepherd's Calendar

Every class and trade has found it advantageous to organize or unite. Every state has its sheep breeders' association and in sections where many sheep are raised, local organizations have developed. The advantage of the former lies in the fact that they can obtain experienced speakers to address their annual meetings and that ideas may be exchanged, either at the meeting or thru occasional letters. The exchange of experiences with others will pay for the time spent. Local organizations can always get speakers from the State College of Agriculture, from the state farmers' institute, or state department of agriculture. These men have traveled and made it a business of picking up practical ideas in sheep raising.

Aside from discussions, the local organization has the advantage of being able to organize for co-operative purposes. Throughout Tennessee farmers have

organized to market their lambs. In a given locality one breed of ram is used and lambs marketed at regular intervals thruout the spring. Thus, if only 10 lambs are fat, May 15 they need not be held for the backward ones in their particular flock, nor need the backward ones be put to market before they are ready. They can be shipped with the lambs from a dozen other farms. A Minnesota man last spring was offered \$99 for 10 lambs and four old ewes by a local buyer. Three weeks later he was able to ship with a neighbor. He received \$190.45 for the 14 head and paid \$4.32 of this as his share of the freight and commission. This shows what can be done by shipping together.

Considerable success has been obtained in marketing co-operatively the wool clips of a number of farms. The wool is delivered on a certain day and divided into three or four classes by a local committee. This committee has previously advertised for bids, and since the lots are large a much better price can be obtained. Ten to 15 cents

a pound higher prices are commonly received at these sales.

Keep the Fall Pigs

The fall pigs are going to be worth more money this year than ever before, and everything should be done from a financial, as well as a patriotic, standpoint to raise as many as possible to maturity. A pig now is worth twice as much as it was when pork was selling for 9 cents. The feed given the brood sow will have a direct bearing upon the pigs saved. A good ration for the brood sow in dry lot is: Corn 10 parts, shorts 5 parts, bran 3 parts, oil meal or tankage 1 part. Ear corn may be fed and the remainder of the ration given in a thin slop twice a day.

Do not let the sow get too fat. Give her plenty of exercise while she is with pig. Watch for signs of farrowing and plan to give undivided attention to the sow at this time. If one pig is saved which would otherwise be lost it is time well spent. See that the pigs do not become chilled and that they

all find teats. Be sure that the sow is properly housed, that she has sufficient air and sunshine, and good clean bedding. Bed lightly at farrowing time. A guard rail about 6 inches from the floor around the sides of the house so the pigs can get under it often keeps the sow from lying down on them.

The foregoing ration for the sow, if fed dry in a small pen which excludes their mother but gives the pigs access to it at all times, will teach the young pigs to eat and will start them growing. Thrifty pigs can be raised economically if there is some forage for pasture. Alfalfa, clover, rye or blue grass on which to start before the winter sets in, will make the pigs much more hardy. Winter rye should be sown in the fall for pasture during winter and early spring. A liberal supply of clean drinking water is very essential. In the winter, it should be heated to remove the chill. Pigs started right in the fall winter easily.

Let the Hog Feed Himself

With farm help scarce, the efficient farmer will endeavor to remove "hog feeding" from his list of chores. The hog can feed himself as well as, if not better than, the most expert feeder can do it if given the chance. The chance is offered by the self-feeder—a device by which the hog can choose from a variety the feeds best suited to his needs. Hogs, like persons, require a variety of feeds to take care of their bodily wants. Also, one hog requires more of a certain feed than does another.

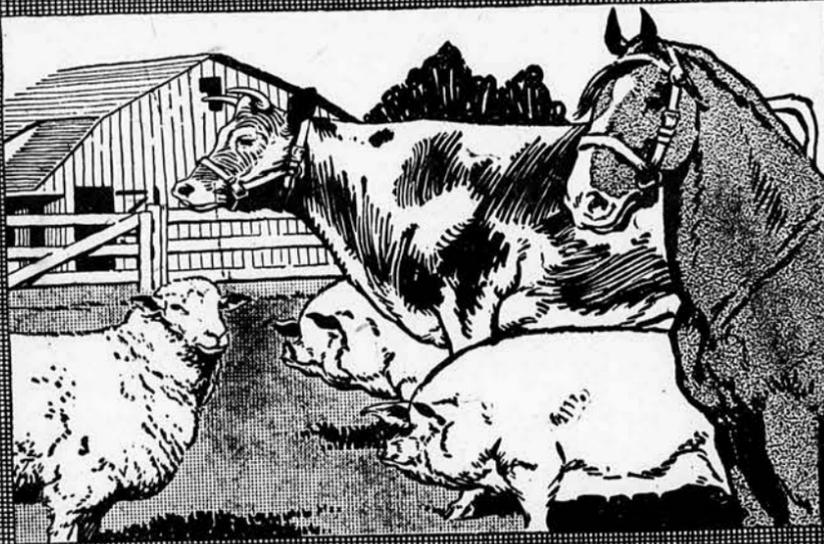
It is certain that the self-feeder method of feeding is more efficient than the hand method and that it will save a great deal of time and labor. Instead of feeding two or three times a day, all that is needed is to see that the feeders are not empty and that the hogs have plenty of water.

There are several types of self-feeders for hogs, but they all employ the same principle of letting the hog do the work. Some of them consist of just one compartment and are nothing more than a box with one side slightly altered. Others have several compartments with means of adjusting and regulating the opening to accommodate different kinds of feed and regulate the flow. They vary in size from a small box to whole corn cribs turned into self-feeders. The kind and size that a farmer will need depends on the size of his herd and his inclination in the matter.

Better Horses Needed

Large numbers of undesirable, mediocre horses are being turned on the market at present in all parts of the country in order to save feed, according to reports to the United States Department of Agriculture. As a consequence the market is glutted with commonplace animals of this kind to the extent that the prices paid are unusually low. The Department of Agriculture urges farmers to raise horses of better breeding and quality. The supply of desirable-quality heavy draft horses or animals suitable for artillery or cavalry purposes is below the demand, while the prices of such animals are correspondingly high. In view of both the domestic and foreign demand during and after the War for quality horses, farmers should begin now to stock up their barns with horseflesh of the desirable type. Under existing conditions feeding stuffs for work animals are extremely high in price. On this account it is imperative that the farmer should winter only work stock of the useful, most efficient, and valuable type. One heavy draft horse will perform the work of practically two undersized, inferior plugs, while such an animal can be fed at about the same cost for maintenance as for one of the plugs. When the farmer desires to sell a heavy horse of quality and breeding he can always locate a ready market, whereas inferior animals ordinarily can be disposed of only at a sacrifice.

The last of the pasture season over the entire Southwest was one of less grass than has been seen since 1913. Many farms report even less grass in the pastures than in that dry year. In many pastures on dairy farms cattle were fed from August 1 which made the pasture season but three months in length. Dairying is a costly business when the cows find but three months pasture during the year.



Don't Let Your Stock Lose their Summer's gain through November neglect

Your animals are now going on dry feed—hay and grain.

It's a big change from the succulent, nutritious grasses of summer pastures which supply the needed laxatives and tonics.

Keep your animals' bowels open and regular—drive out the worms—keep their blood rich—keep their digestive apparatus in order—by feeding Dr. Hess Stock Tonic.

A Conditioner and Worm Expeller

Don't allow your stock to "get off feed" and in a run-down condition.

Dr. Hess Stock Tonic does not take the place of feed but it eliminates waste because it gives appetite, good health and good digestion, and enables animals to get the most benefit out of their feed.

Buy Stock Tonic according to the size of your herd. Here's a suggestion for your guidance: Get from your dealer 2 pounds for each average hog, 5 pounds for each horse, cow or steer, to start with, feed as directed and then watch results.

Why Pay the Peddler Twice My Price?

You buy Dr. Hess Stock Tonic at an honest price from a responsible dealer in your own town who guarantees it, and who refunds your money if it does not do as claimed.

25-lb. Pail, \$2.25; 100-lb. Drum, \$7.50
Except in the far West, South and Canada
Smaller packages in proportion.

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DR. HESS STOCK TONIC

Dr. Hess Poultry PAN-A-CE-A

Will Start Your Pullets and
Moulted Hens to Laying

Dr. Hess Instant Louse Killer Kills Lice

When the Boys Come Home

BY CHARLES DILLON

By the time this article reaches the public every farmer in America will know all about the United War Work Campaign. Three hundred farm papers have told the story in the last four weeks. It has been printed in four languages. Every college in America, every school in town and country, every extension worker, all the county and district agents, and all the thousands of crop reporters serving the United States Department of Agriculture—all these influences for good work have entered heartily into the job of getting the fund of 170½ million dollars for the seven organizations now consolidated in a combined campaign upon President Wilson's suggestion.

I believe the farmers and their families will support my contention that it won't be necessary to wave the flag in their faces to get this money. I've been telling the city committees that patriotism in the farming regions is just as strong as in any city in America—that all we should have to do is to tell the farmers what this campaign is about and what the Y. M. C. A., the Y. W. C. A., etc. intend to do with the money when they get it.

Have you a boy in the army, the navy or the marine corps? What do you think his life would be like in France or Flanders or over in Siberia if there were no Y. M. C. A., no Knights of Columbus, no Salvation Army or other organization to provide the comforts that make his days and nights worth looking forward to instead of periods to be dreaded? The government, you know, supplies clothing and arms, and first aid if the soldier is wounded. But, after the Red Cross has given him proper attention when he needs it, the government can do no more. It provides no smokes, no delicacies, no entertainments, nothing to relieve the monotony of camp or trench. The organizations I have named do that kind of work. And in America, before the boys go over, these organizations and the Jewish Welfare Board, the Y. W. C. A. and the American Library Association are united in caring for the soldiers' and sailors' every need.

I heard the great preacher, Dr. Charles Parkhurst, read a letter, Sunday, from a chaplain serving on the Western Front. "The boys," said the chaplain, "are no different here than the boys at home. They are just fine, strong, decency-loving Americans, and they are making good with the French. I find that the early rearing, the early influences are apparent. They like to hear short sermons; they like to go to church here; they love the same old hymns they sang at home."

The influences you are asked to continue for the boys' good, their future welfare, may be kept alive only by supporting the United War Work Campaign November 11-18. Don't let the chance go by neglected. If you want the boys home in good condition for the harvest work turn your pocket inside-out when the man with the list comes round.

Farming in Allen County

BY GUY M. TREDWAY

White grubs have caused considerable damage in this county during the last year. The most damage has been done to corn, but our own farm damage has been largely to the potato crop. They begin their ravages in May and they extend into the fall. Three-fourths of all our potatoes were ruined. In some of the potatoes the part eaten was only as large as the grub while in other instances half the potato was eaten.

A neighbor some 8 miles away had 10 acres of corn and sorghums killed by grubs and root lice. Both were working on the roots at the same time. He says he found as many as 34 grubs eating on the roots of one hill of corn. Damage to the corn was first observed when the plant was about 6 inches high and much of it was killed by the time the corn was laid by. The sorghums, including kafir, milo, leonocorn and cane were killed. He also farmed rented land a mile from home and the grubs and lice were on both farms. Other fields lying between these were only slightly affected. He plans to plow as much of the ground this fall as possible and to plant small grains on the land next

year. Small grains are usually not so badly damaged by the grubs, but some damage has been done to wheat this fall.

The white grub is the young of the May beetle. The beetles feed on the leaves of trees, oak, ash, elm, poplar, hickory, willow, locust, walnut and other trees, but walnut trees are usually not damaged greatly. In sections where the beetles are especially bad they will strip considerable tracts of timber of its foliage. They feed only at night. In May the female beetle deposits eggs in ground when it is covered with vegetation in fields of timothy, bluegrass or small grain crops. The eggs hatch a month later and the young grubs feed near the surface and in the fall burrow deeper into the ground where they pass the winter. The next two years the grubs feed on roots and underground parts of plants during the spring and summer and burrow deep into the soil to pass the winter. After damaging the crop the third spring the grubs change

into pupae in August and into beetles in October. They pass the winter in the ground and come out in the spring.

A heavy flight of beetles indicates that there will be many grubs in the ground the next and the following year and by planting the proper crops the damage they do may be largely controlled. Since the eggs are laid in timothy or small grain fields largely, such land should be sowed to clover or alfalfa, as these crops are least likely to be injured. For the same reason corn should follow corn, few eggs having been laid in the ground.

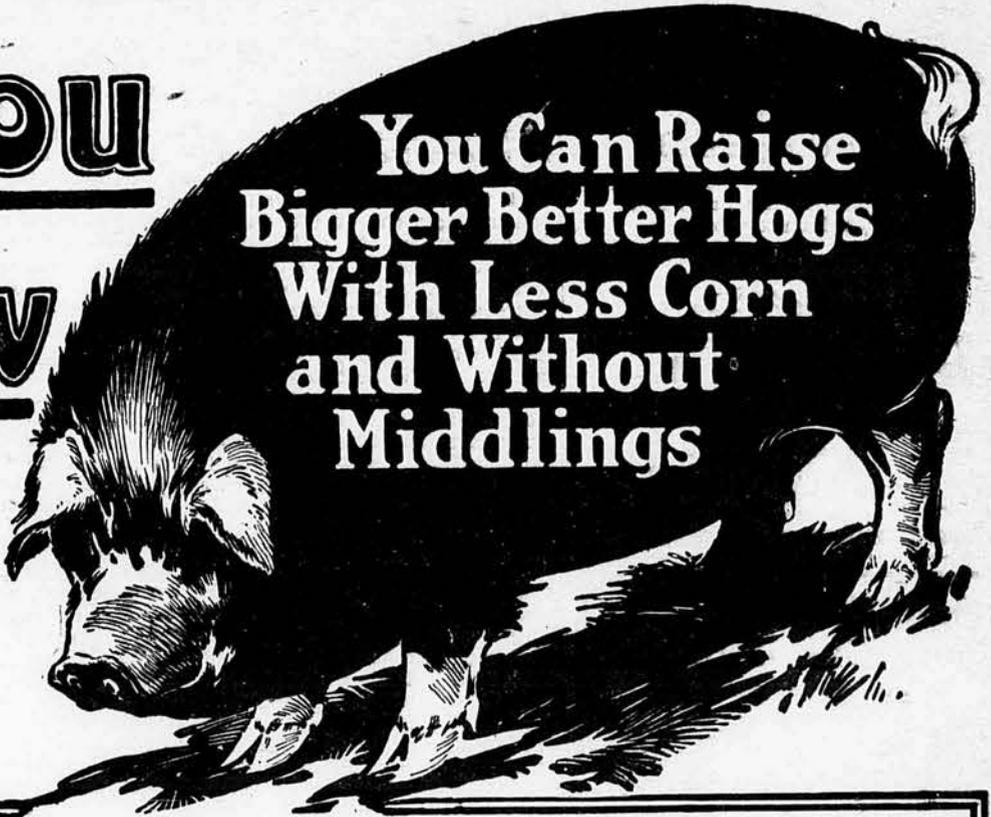
During and after a heavy flight of beetles timber lots and nearby fields should be pastured with hogs, as they are the best known exterminators of grubs. "Hogging down corn" is profitable because the hogs will kill many grubs. Since the beetles burrow deep for the winter by October 1, plowing should be done before that time and hogs and poultry should be turned into

the fields when the plowing is being done.

As will be seen, the first and best means of control will be crop rotation. Grub-infested land should be sowed to clover, not planted to corn or potatoes. These may follow the clover. Eggs are not likely to be laid in the ground planted to these, hence corn or small grain may follow corn. The second means of control will be deep plowing before October 1. This will expose the grubs and pupae. Those not destroyed by hogs, poultry or birds will likely burrow into the ground and pass the winter safely.

The automobile is one of the most remarkable factors affecting rural life that ever has appeared, and most of its influence is good. It makes farming pleasanter and more profitable, and makes farm life ever so much more livable. But when we come down to calculating its value on a dollar basis, we shall have to confess our inability to do it.

Do You Know?



You Can Raise Bigger Better Hogs With Less Corn and Without Middlings

When corn was cheap and labor was cheap, farmers were content to feed their hogs a year to make them weigh 200 to 300 pounds, and corn was practically the only feed used.

Today it costs more to raise a hog by this old-fashioned method than he would sell for—you can't afford to raise hogs by this expensive method now.

With the proper combination of feed materials, you can have your hogs ready for market in about half the usual time (with very little corn and no middlings) and on one-fourth to one-half less feed.

The feeding plan that is producing these profitable results for thousands of farmers is at your command. It is the

SCHUMACHER FEEDING PLAN

By giving your hogs free access to SCHUMACHER FEED, corn and tankage in self-feeders you will be surprised at the big saving in cost of feed and better fattening results. SCHUMACHER FEED consists of various wheat, oats, barley, and corn by-products finely ground and scientifically blended to meet the requirements of young pigs, fattening hogs and brood sows. Being kiln-dried it contains 300 lbs. less moisture per ton than corn, and thereby contains more feed value than corn and costs much less per ton.



By this plan of feeding your hogs balance their own ration and do it better than the best expert could do it for them. They will eat more SCHUMACHER than both corn and tankage together, thereby reducing the heavy expense of all corn feeding while making faster, better gains. If you have no corn, feed SCHUMACHER FEED alone, with tankage in self-feeders, and in addition a thick slop of SCHUMACHER FEED twice daily with water or skim milk. This plan is very popular in sections where they have very little corn.

Get a supply of SCHUMACHER FEED from your nearest dealer and try this better, cheaper feeding plan—the results obtained and the money saved will be an agreeable surprise to you. SCHUMACHER FEED is also an ideal feed for cows, horses and young stock. Our feed experts will give you advice free of charge regarding your feeding problems. Just write to

The Quaker Oats Company
Hog Feed Dept. Address: CHICAGO, U. S. A.



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are all made with the exclusive features that save your tie, time and temper. "Graduated Tie-space" and "Tie-protecting Shield"

Ask your own good Dealer for SLIDEWELL — he has them or can get them for you.
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The "Graduated Tie-space"



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8 times more water than Feed

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Auto-Fedan Hay Press

MEANS ONE MAN LESS Both bolt and power presses.
Saves 20% Baling Cost

Send Us Your Orders and Consignments of Hay
Engine on same or separate frame.
Auto-Fedan Hay Press Co., 1814 Wyoming, Kansas City, Mo.

Farmers Need Motor Trucks

(Continued from Page 13.)

large extent upon his ability to place them on the market in good condition at the right time. The ordinary or established methods of marketing farm products do not take promptness into consideration. Great quantities of food are wasted because farmers cannot profitably get their products to market. This is a situation that must be overcome and the motor truck seems to be the most satisfactory means of bringing this about.

The many different ways in which the truck can be used satisfactorily on the farm are being developed by farmers in a number of localities who are showing an initiative in modern transportation methods. A hog farmer, who successfully uses a 2-ton truck in writing us about his experience recently said, "My farm is 25 miles from the stockyards of our neighboring large city, and being 7 miles from the nearest shipping point, I have, instead of shipping by carload, been taking for years the bulk of my stock directly to the yards. With hogs, veal calves and sheep, hauling by wagon had been the only means of transportation. In the summer time, when the weather was too hot to haul by daylight, we started at dusk and arrived at the yards the next morning in time for market. Both teams and driver were worn out and with the return trip in the boiling sun consuming most of the day, this trip was worse on both man and team than a week's work. Winter trips were even worse, because of the cold. Long hauls cause a heavy shrinkage in both hogs and veal, for they never eat after they leave home, so they look gaunt and do not sell to the best advantage. Now I use a 2-ton truck, leaving my place at 4 o'clock in the morning with a load and arriving at the yards at 8 p. m. and get back before noon. I lose little in shrinkage and my stuff sells quick, because it looks well."

A Boon To Hog Shippers

Herman Gronniger of Bendena, Kan., a breeder of purebred hogs, delivers hogs to purchasers within a radius of 30 to 40 miles by use of a motor truck. This means that he can be assured of the hogs arriving in better condition, with less delay, and with more satisfaction to the buyer. He also markets fat hogs at St. Joseph, and sometimes at Kansas City, by the truck load.

At Mulvane, Kan., a well developed dairy center, three trucks are used in hauling the products to the condensary. Trucks were tried first as an experiment, and recently we have been told that this experiment was so successful that trucks would replace all the horses used in gathering the milk cans.

These are only a few of the many instances we might mention where trucks are in use on Kansas farms. One of the most successful of these is on the Merritt Holstein Farm at Great Bend, Kan. A very extensive use is made of trucks on the "101" Ranch at Bliss, Oklahoma. Other instances might be given where the truck is successful, as in marketing garden products, fruit, and poultry—and all other products that require prompt marketing to insure good quality to the consumer and fair prices to the producer.

The operating costs of a motor truck in the hands of a user or driver will vary somewhat, but the farmer, of all men, is particularly well suited to get the best results. His understanding of human requirements assures the truck of its due consideration and attention; the other difficulties disappear when common sense is applied to the operation and maintenance of the motor truck. Kansas is naturally well adapted to the use of motor trucks. It is distinctly a land of level plains, good roads, and large farms. The state has 48,000 farms larger than 260 acres as compared with 23,000 farms for Missouri and 18,000 for Iowa. Farmers everywhere in Kansas are demanding better and more rapid local transportation for their farm products, and the motor truck offers the best means to this end.

New Gasoline Substitute

A new gasoline substitute, salable at from 6 to 11 cents a gallon, has been tested in the laboratory of the Automobile Club of America. It is called "gasofam" by its inventor Henry T. Caulett of Trenton, N. J. He has also submitted it to the naval con-

sulting board. According to the experts who tried it, the mixture developed a "relatively higher horsepower than ordinary gasoline."

Electric Power Banishes Drudgery

(Continued from Page 3.)

countless. While its most general use is for lighting purposes, pumping water into the house and barns is a close second. Labor can be made easy by means of it for both the farmer and his wife. Of the 40 persons from whom I received letters or interviewed not one had any complaint to make with electric power. The plant eventually pays for itself.

"I am washing, ironing, grinding and doing all of my work that can be done with a motor driven by an electric plant." Herman Blank of Madison, Neb., said. "It saves time and labor and is the safest thing that a man can have on the farm. And all the conveniences! Why, it is great!"

Abe Tunison of Orleans, Neb., has lived in his present home for 40 years and has all kinds of improvements but he thinks electricity beats them all. There are lights in the chicken house, the hog house, the corn crib, horse barn, cow barn, milk house, garage and all thru the farm house, but best of all, he says, is the yard light. Ten teams can hitch at a time and all can have light.

Farmers all over the country are putting a higher estimate on women's work on the farm. They know that to save the housewife's strength is real economy. Charles O. H. Peterson of Lyons, Neb., says that the electric plant is chiefly a labor saver for the housekeeper, yet much time is saved for the men folks in the farm buildings by having abundant light wherever it is needed at a turn of the switch. That it saves one woman's work in the house and a full hand's labor on the farm is the statement of C. E. Hornerstall of Springfield, Mo. Mr. Hornerstall said that he wouldn't take \$1,000 for a plant if he could not obtain another. Mrs. Otto Frauen of Chapman, Neb., declares that she would rather be without an automobile than a light plant if she had to choose between the two. While L. E. Fiechter of Robinson, Kan., has not had his plant installed long enough to know the amount of money it is saving him he is already so pleased with the lighting system and electric washer that he intends to use the plant for pumping water as soon as he can have an automatic installed. Arthur Arnold of Cumming, Ia., uses his plant for charging automobile batteries for himself and his neighbors, as well as to operate an electric fan, an iron, vacuum cleaner and washing machine and to light the farm house and all the barns.

"I wouldn't sell my power plant for any money if it wouldn't be possible for me to get another one." August Broxterman of Baileyville, Kan., said. "My wife says it saves her lots of work and she wouldn't do without it. You can run a washing machine and an iron with it, and a great many other things on the farm."

"I consider the electric plant one of the best purchases that I have ever made both from a labor saving point and for the actual work that it accomplishes," Maurice Thompson of Oak Ridge, Mo., wrote. Mr. Thompson operates a cream separator, a churn and an iron by means of it and lights the house and barns. He figures that it saves the labor of one person.

And so the answers run. Everything from a tool grinder to a milking machine is being operated on these farms by means of electricity. Conveniences are installed in the home and the problem of labor shortage is solved. Labor is attracted to the farm because the farm is a more attractive place. Boys and girls find that country life with city conveniences is vastly superior to city life and they are satisfied to remain on the farm.

Roosevelt Speaks Out

Roosevelt's fearless editorials in The Weekly Kansas City Star are arousing wide attention. Readers who want to follow the comments of Roosevelt may do so by sending fifty cents to Department 11 of The Weekly Star at Kansas City, Mo., for one full year's subscription. This special low rate applies only to residents of Kansas, Missouri, Iowa, Oklahoma, Arkansas and Nebraska.—Advertisement.

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One pound of Brooks Best Calf Meal when mixed with warm water or skim milk is equal to a gallon of cows whole milk, and costs much less. If you are feeding calves whole milk you are losing money, and losing it fast. You can start feeding it after calf is a week old. It is easy to feed and easy to "repare."

Thousands are using Brooks Best calf meal with great success. The 100 pound sacks are \$5.00 or 500 pounds \$23.75. Ask your Dealer. If he can't supply you, we will ship direct on receipt of your remittance. We send free directions and guarantee it.

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Pull 100 Stumps A Day—With The Hercules

NO STUMPS too big. Get the richest, most productive land into crops. Make more money. Hercules on 30 days' free trial. Three-year guaranty. Safe and fast. Send post card for free book. Introductory price offer now.

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Pumping Outfit \$53.50

Complete outfit, engine, belt, pump jack for medium deep well work. Direct from factory. Prompt shipment. Guaranteed high grade. For all belt work, nothing excels.

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Sizes 1 1/2 to 22 H.P. Stationary, Portable and Saw-rig styles. 90 days trial. 10-year Guarantee. BOOK FREE. Write for it, and present low prices.

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GEO. H. LEE CO., Dept. 407, OMAHA, NEB.

Farm Workshop Necessary

LEWIS HILLARA

Thousands of farmers have managed to get along fairly well without a farm workshop, but it has always been a valuable adjunct to the well arranged farm. It is of greater value now since nearly all the boys are taught to use tools, either in the schools or by their parents. Every farm has the ordinary tools which the boy uses from the day he is old enough to be permitted to have them. It is natural to like to make things and practice makes perfect even if definite instruction is not given. Such instruction is becoming more and more a part of our educational systems.

Not only should the workshop have a bench for carpenter work, but a forge, a post drill, ordinary pipe tools, and the iron working and wood working tools that go with them. With such a shop any job of ordinary repairing can be done at home and save a trip to town, and hundreds of repairs made about the place that would be left undone if a convenient place was not at hand where the work could be done. Then the rainy days and stormy days in winter will offer chances to make things that will add to the efficiency of the farm work, or save steps or time. Piping water from the well to the watering troughs will often save many days' time that would be spent in carrying the water, and even if a force pump is not used the water can be made to run to most troughs by gravity if a receiving vessel is placed handy at the well and the pipe run so the trough will be lower than the well.

A harness mending outfit and a family shoe cobbling set will pay for themselves many times over. With a shop where all these can have their place, with the tools always ready, we will use them when we need to do so, where we would neglect it if the tools were packed away.

In the winter all the harness work can be done and everything put in readiness for the spring. This is also true of the work on the farm machinery. It can be overhauled and all necessary repairing made. With the shop at hand we can take out and replace many a worn piece that would be left to serve longer if we had to go to town to have the work done. Often one new bolt put in when needed will prevent a breakdown, and a bent or badly worn rod replaced by a new one may save much loss of time when the work is pressing.

Of course a gasoline engine would add to the value of the shop, and by the use of necessary pulleys and shafting the power could be used for pumping and running household machinery as well. Where a turn of the wheel will give power we find ax grinding, cream separating, washing, and water pumping have lost their terrors.

Free Advice for Kansas Mothers

Talking to Kansas mothers thru the mail in personal letters is the undertaking Dr. Florence Brown Sherborn has begun in a new health and home nursing course that the extension division of the University of Kansas is offering as a wartime course to meet the need caused by the shortage of doctors and nurses. This new course in correspondence study breaks away from the usual system of instruction by mail and instead of cut and dried assignments for study Doctor Sherborn is inducing mothers to come to her, by mail, with their troubles and is replying to each in typewritten talks to fit each case. "The course is open to any woman in Kansas," said Doctor Sherborn, "and it consists of 40 letters or lectures. After a woman has enrolled, by application to the university's extension division, I write her a personal letter, asking her to tell me everything about her home. Her replies are just as sacredly confidential as if I were calling at her home as her physician. I want to know everything about her family, her home, its size, site, drainage, sanitation, ventilation, steps, number of rooms and arrangement of rooms in relation to a possible sick room. I want to know about conveniences in the home, if any; the food habits and health training of that family, if any; its customs of personal hygiene, its sources of food and water supply. From such information as this come the answers to health problems and the remedies for their ills. "One young mother writes in, 'The

baby cried all night.' She was nursing him and felt perfectly well and baby had been all right except for that night. It developed that this young mother had eaten tomatoes and bananas for dinner. Of course, a week-old baby cried. A diet like that for the mother was quite likely to make him cry.

"I mention this as just one small incident of how a course like this may help in home nursing. Several Kansas counties and quite a number of smaller towns now have no physicians. In the larger towns and the cities the Great War has taken so many physicians that there are not enough for all the calls made upon them. The shortage of nurses even is more marked. An adequate home nursing course now is a public benefit as well as a personal benefit to the one who takes it."

While Doctor Sherborn's 40 "lessons" will be fitted to each individual's needs, they will include also specific instruction in the more usual health problems of the home. Under "Minor Ills" there are special lectures on constipation, indigestion, diarrhea, hiccoughing, headache, backache, toothache, neuralgia, poison ivy, insect bites, snake bite, hives, hang nails, ingrowing nails, corns, bunions. A part of the course is devoted to sudden illnesses, their cause and treatment, including fainting, convulsions, hysteria, apoplexy, croup, colic, cramps, internal hemorrhages. The nature of fever is explained and with the explanation go detailed directions for bathing the patient in bed and other fever-reducing methods. Many of the methods used by trained nurses in making patients comfortable, in protecting points of pressure, in giving baths, feeding and in keeping the patient, the bed and the room tidy without annoying the patient are described in detail. In fact, the whole question of home nursing, in caring for the sick and in guarding the family from disease, is taken up—and yet there is no tiresome rigmarole, no examinations to take or grades to make.

For the woman who has time for extra reading Doctor Sherborn supplements the course with a suggestion for special reading. But for the busy housewife the 40 lessons are designed to be practically sufficient for her needs. They cover everything from diet to dog bites and from frost bite to severe forms of illness and accidents.

Federal Loans to Farmers

During the month of September \$7,056,700 in loans were advanced to farmers of the United States by the Federal Land Banks on long time first mortgages, according to the monthly statement of the Farm Loan Board. The Federal Land Bank of Spokane leads in amount of loans closed, \$1,079,625, with the Federal Land Bank of St. Paul running second, \$930,400. The other 10 banks closed loans in September as follows: Wichita, \$689,200; Omaha, \$605,500; Columbia, \$604,105; Houston, \$529,845; Louisville, \$505,000; St. Louis, \$503,500; Berkeley, \$436,900; New Orleans, \$419,485; Baltimore, \$417,450, and Springfield, \$335,650.

On October 1 the total amount of mortgage loans closed since the establishment of the Federal Land Banks was \$131,903,684, numbering 58,202. During September 2,983 applications were received, asking for \$9,643,892. During the same period 2,124 loans were approved amounting to \$5,972,866. Altogether 101,070 have applied for loans under this system, aggregating \$254,780,617.

Easy to Get Eggs Now

Any poultry raiser can keep his hens laying through the fall and winter when egg prices are highest. Many poultrymen are doubling their egg yield and profits by using Rockledge Egg Tonic, which revitalizes the flock and makes the hens lay. Give the hens a little of this Concentrated Egg Tonic in their drinking water and you will be amazed at the eggs you get. If you want to make money with your hens, by all means have Firman L. Carswell, 104 Gateway Station, Kansas City, Mo., send you a season's supply of this wonderful Egg Tonic for \$1.00 (prepaid). Two big Kansas City banks guarantee if you are not absolutely satisfied your dollar will be returned on request and the Egg Tonic will cost you nothing. Send a dollar today, or write Mr. Carswell for his free book, which tells how you can make money with poultry.—Adv.



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It is estimated that it costs \$75 per year per farm to replace broken and decayed fence posts. This expense can now be saved by using L-B Creosoted Yellow Pine Posts—posts of selected yellow pine treated with high grade creosote under hydraulic pressure. These posts are decay-proof and fire-proof. They will last for 50 years, and are the most practical and cheapest for permanent construction.

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A good fence is one of the most important farm investments—make it give longer service by using posts that will not rot or decay. Don't replace another decayed or broken fence post with one that will undergo the same process of wastage in a few years. Don't reduce the life of your fencing by using posts that permit staples to fall out and the fencing to collapse.

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Every farm owner should have a copy of our free book—THE POST EVERLASTING. Filled with interesting facts and figures pertaining to permanent farm construction. Sent postpaid on request.

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13.....	1.04	3.64	29.....	2.32	8.12
14.....	1.12	3.92	30.....	2.40	8.40
15.....	1.20	4.20	31.....	2.48	8.68
16.....	1.28	4.48	32.....	2.56	8.96
17.....	1.36	4.76	33.....	2.64	9.24
18.....	1.44	5.04	34.....	2.72	9.52
19.....	1.52	5.32	35.....	2.80	9.80
20.....	1.60	5.60	36.....	2.88	10.08
21.....	1.68	5.88	37.....	2.96	10.36
22.....	1.76	6.16	38.....	3.04	10.64
23.....	1.84	6.44	39.....	3.12	10.92
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POULTRY.

So many elements enter into the shipping of eggs by our advertisers and the hatching of same by our subscribers that the publishers of this paper cannot guarantee that eggs shipped shall reach the buyer unbroken, nor can they guarantee the hatching of eggs. Neither can we guarantee that fowls or baby chicks will reach destination because opinion varies as to value of poultry that is sold for more than market price. We shall continue to exercise the greatest care in allowing poultry and egg advertisers to use this paper, but our responsibility must end with that.

ANCONAS.

ANCONA COCKERELS, \$1.50 EACH. CHAS. Hasenkamp, Route 2, Seneca, Kan.
 ANCONAS, COCKERELS, SHEPPARD strain. Edith Montgomery, Mentor, Kan.
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SILKIE BANTAMS, \$8 PER TRIO. Plocker's White Wyandotte Farm, Clay Center, Kan.

BRAHMAS.

FOR SALE—LIGHT BRAHMA COCKERELS. Kathryn Abbott, New Cambria, Kan.

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 EARLY HATCHED WHITE PEKINS. Ducks, \$1; drakes, \$1.25. Henry S. Voth, R. 2, Goessel, Kan.

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WHITE AFRICAN GUINEAS FOR SALE. Mrs. F. E. Wentz, Burlington, Kan.

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BIG BLACK LANGSHANS, BEST LAYERS. Good scoring. H. Osterfoss, Hedrick, Ia.
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R. C. BROWN LEGHORN CHICKENS. Otto Borth, Plains, Kan.
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 SINGLE COMB WHITE LEGHORN COCKERELS, \$1.50. John Allison, Englewood, Kan.
 ROSE COMB BROWN LEGHORN COCKERELS, \$1.50. Elizabeth Evans, Wilsey, Kan.
 SINGLE COMB WHITE LEGHORN COCKERELS, \$1.50 each. Joe Myers, Crowburg, Kan.
 SINGLE COMB WHITE LEGHORN COCKERELS, \$1.25. Mrs. Nick Long, Morrowville, Kan.
 WHITE LEGHORN, TOM BARRON COCKERELS, \$2. Mrs. Bayard Stratton, Ottawa, Kan.
 SINGLE COMB WHITE LEGHORN COCKERELS, \$2 and \$3 each. Louie Barnes, Moline, Kan.
 PURE EVEN SINGLE COMB BUFF LEGHORN COCKERELS, \$2 each. Geo. Dorr, Osage City, Kan.
 SINGLE COMB WHITE LEGHORN COCKERELS, \$2 or three for \$5. Clara Rhea, Sallina, Kan.
 PURE BRED ROSE COMB BROWN LEGHORN COCKERELS, \$1.50 each. Fred Chilen, Miltonvale, Kan.
 ROSE COMB WHITE LEGHORN COCKERELS, \$1.25 until Nov. 30. Carrie Gardner, Hartford, Kan.
 PURE SINGLE COMB BROWN LEGHORN COCKERELS, \$1.25 each. H. M. Schoepflin, Quenemo, Kan.
 FOR SALE—GOLDBANK TURKEYS, Brown Leghorn chickens. Elmer Harris, Medicine Lodge, Kan.
 SINGLE COMB WHITE LEGHORN COCKERELS, grand breeders, \$2. Mrs. W. G. Prather, Eureka, Kan.
 FOR SALE—FULL BLOOD WHITE ROSE COMB cockerels, hens, pullets, \$2 each. Stella May, Speed, Kan.
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 SINGLE COMB WHITE LEGHORN COCKERELS, also purebred Rouen ducks, \$1.50 each. Charley Russell, Altoona, Kan.
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 HAINES' HUSTLER STRAIN, STANDARD bred, S. C. Buff Leghorn cockerels, good breeders, exhibition birds, specially priced now. Pearl Haines, Rosalia, Kan.
 BIG HUSKY BRED TO LAY S. C. W. LEGHORN cockerels and pullets for sale. Bred right, fed right, range raised. They pay me, why not you? April hatched pullets averaged 18 eggs during September. Beat it. Exhibition quality. Cockerels, April hatched, \$5. Two pullets and cockerel, \$15. J. S. Stever, Rock, Kan.

MINORCAS.

FOR SALE—150 SINGLE COMB BLACK Minorca hens. Claude Hamilton, Garnett, Kan.

ORPINGTONS.

DISPERSAL SALE—S. C. BUFF ORPINGTONS, 35 hens, 25 pullets, 2 cocks. Virgil Taylor, Holton, Kan.
 THOROUGHBRED SINGLE COMB BUFF Orpington cockerels, \$2.50 each. Russell Welter, Grantville, Kan.
 SELECTED S. C. SMOOTH LEGGED BUFF Orpington cockerels, \$2, \$2.50 November. J. M. Caldwell, Garnett, Kan.
 THOROUGHBRED S. C. BUFF ORPINGTON COCKERELS, \$2 to \$4. Pullets, \$2. Mrs. John Hough, Wetmore, Kan.
 LARGE BONED WHITE ORPINGTON COCKERELS. Price during November, \$1.50 and \$3.25. Chas. Ramsey, Luray, Kan.
 WHITE ORPINGTON COCKERELS FROM pen best layers headed by cock from 200 egg hen, \$5. Mrs. Helen Lill, Mt. Hope, Kan.
 CHOICE S. C. BUFF COCKERELS, SIRED by Martz and Sunwick cocks, \$2.50 each this fall. Also three of above cocks, \$5 each. Joe B. Sheridan, Carneiro, Kan.
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BUFF ROCK COCKERELS AND HENS. Lydia McAnulty, Moline, Kan.
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 BUFF ROCK HENS—A FEW NICE ONES for sale. William A. Hess, Humboldt, Kan.
 BIG TYPE BARRED ROCK COCKERELS, \$2.50 and \$4. Milan Hitchcock, Luray, Kan.
 THOROUGHBRED WHITE ROCK COCKERELS, \$2 each. Henry Thalman, Haven, Kan.
 RINGLET BARRED ROCK COCKERELS, \$3 and \$5 each. Mrs. Lynn Bailey, Lyndon, Kan.
 EXTRA FINE PURE BARRED ROCK COCKERELS, \$2 each. Martha Shearer, Frankfort, Kan.
 MARCH COCKERELS, BIG WHITE ROCKS, prize winning stock, \$2 each. Mary McCormack, Wells, Kan.
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 SUNNYDALE BARRED ROCKS, FINELY barred, early hatched. Cockerels, \$2 to \$5. Nice pullets, \$1.50. Mrs. L. Underhill, Wells, Kan.
 SPECIAL PRICES ON BARRED ROCK COCKERELS for 30 days, \$2 to \$5. From prize winners. Mrs. Jesse Beam, R. 1, Otego, Kan.
 PURE BRED BARRED ROCKS, EIGHTEEN years careful breeding. Cockerels with size and quality, \$2 to \$5. Glendale Farm, C. E. Remary, Prop., Olivet, Kan.

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ROSE COMB RED COCKERELS, \$1.50-\$4. Lewis Bauer, Dover, Kan.
 S. C. RED COCKERELS, \$1 TO \$4 NOW. Mrs. Joseph Sedgwick, Kan.
 THOROUGHBRED DARK ROSE AND SINGLE Comb cockerels, \$2. Mrs. Susie Lenherg, Hope, Kan.
 ROSE COMB RHODE ISLAND RED COCKERELS, \$2, \$3. Grace Thomas, Route 2, Box 68, Canton, Kan.
 ROSE COMB RHODE ISLAND RED COCKERELS, \$3 and \$5 each. Mrs. C. H. Jordan, Wakarusa, Kan.
 FOR SALE—CHOICE ROSE COMB RHODE Island Reds, cockerels. Theodosia Toombs, Mullinville, Kan.
 S. C. REDS (MAHOOD STRAIN), CHOICE cockerels, pullets, from premium stock. Mrs. E. S. Monroe, Ottawa, Kan.
 PUREBRED SINGLE COMB RHODE Island Red pullets and cockerels for sale. Mrs. E. C. Grizzell, Clifton, Kan.
 ROSE COMB REDS FROM PRIZE WINNERS. Rich dark velvety red cockerels, \$5. Mrs. Chancy Simmons, Erie, Kan.
 THOROUGHBRED ROSE COMB BUFF Orpington cockerels, \$2.50; pullets, \$2. Fannie Renzenberger, Greeley, Kan.
 EARLY HATCHED ROSE COMB RED COCKERELS. Big, growthy fellows, \$2. Bargains. J. P. Fengel, Lost Springs, Kan.
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WYANDOTTES.

GOOD BUFF WYANDOTTES FOR SALE. Geo. Kittell, Newton, Kan.
 MARCH COCKERELS AND PULLETS. Ginette & Ginette, Florence, Kan.
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 WHITE WYANDOTTE COCKERELS FROM record sires of Steven's American and Barron's English laying strains, \$3 to \$6 each. Satisfaction guaranteed. H. A. Dressler, Lebo, Kan.
 SILVER LACED WYANDOTTES. PURE bred. Farm raised. Entire flock, consisting of hens, pullets, cocks and cockerels. Satisfaction guaranteed. Write for circular. S. B. Dressler, Lebo, Kan.

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LARGE BOURBON TOMS, \$6.50; hens, \$4.50. Walt Slingsby, Clay Center, Kan.
 NARRAGANSETT TURKEY TOMS, FIVE dollars. E. C. Voigt, Mullinville, Kan.
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 BOURBON RED TURKEYS, TOMS, \$7; hens, \$5. Mills Bryan, Osage City, Kan.
 LARGE WHITE HOLLAND TURKEYS, TOMS, hens, John Immenschuh, St. George, Kan.
 PUREBRED MAMMOTH BRONZE TOMS, \$10; hens, \$8; 35 lb. toms, \$16. Jas. R. Wolfe, Lewis, Kan.
 FOR SALE—GIANT BRONZE TURKEY TOMS, from prize stock, Goldbank strain. Vira Bailey, Kinsley, Kan.
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 PUREBRED BOURBON REDS, ALL healthy birds. Toms, \$5.50; hens, \$4. Henry S. Voth, R. 2, Goessel, Kan.
 EARLY HATCHED BOURBON RED TURKEYS. Purebred toms, \$5.50; hens, \$4. Henry S. Voth, R. 2, Goessel, Kan.
 PURE BLOOD MAMMOTH BRONZE TURKEYS. Gold Bank strain, from prize winners. Jennie Shamburg, Scottsville, Kan.
 MAMMOTH BRONZE TURKEYS, GOLD-bank's prize winning strain. Toms, \$6; hens, \$4. Mrs. W. O. Weaver, Admire, Kan.
 FEW MAMMOTH BRONZE YOUNG TOMS, \$6.50. Hens, \$5. Best purebred strains. Satisfaction guaranteed. McKlineys, Mullinville, Kan.
 PRIZE WINNING WHITE HOLLAND TURKEYS. Order early and get the best; bargains. Toms, \$7.50; hens, \$6. R. Mitchell, R. 1, Blue Jacket, Okla.

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 ANCONA AND BLUE ANDALUSIAN COCKERELS, \$1.50 each. John Smutny, Irving, Kan.
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 WE WANT TO BUY NEW CROP ALFALFA seed, Sudan grass seed, cane seed, feterita, maize, millet and pop corn. Please quote us with samples. Binding Stevens Seed Co., Tulsa, Okla.
 PURE BRED COCKERELS, RINGLET Barred Rocks and S. C. Buff Orpingtons, \$3 each if taken soon. Satisfaction guaranteed. The first checks get them. Mrs. R. B. Donham, Talmo, Kan.
 1,000 FINE SHOW AND BREEDING BIRDS for sale in November, cockerels, Barred Rocks, Brown, White, Buff, Silver and Black Leghorns, Langshans, Cochins, Brahmans, Polish, Bantams, Ducks and geese. Best bargains ever offered. Write today for prices on what you need. Modlins Poultry Farm, Route 7, Topeka, Kan.

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 THE COPELS, TOPEKA, ARE PAYING 25c for turkeys, 22c for hens and springers. Coops loaned free. Prompt. Reliable.

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SCOTCH COLLIE PUPS FOR SALE. David G. Lewis, Lebo, Kan.
 AIREDALE PUPPIES FROM REGISTERED stock. "Stoveport," Route 3, Independence, Mo.
 TWO SCOTCH COLLIE FEMALE PUPS from registered heelers, \$3 each. G. D. Willems, Inman, Kan.
 WANTED—TRAINED WOLF DOGS, GREYhounds or stags. Must be fast. Albert Metcalf, Gauda Springs, Kan.
 FOR SALE—AIREDALE TERRIERS known as the most useful of all dogs. Please write and let me tell you about ours. E. J. Barnes, Clay Center, Neb.

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DON'T FOOL WITH TREE PEDDLERS. Write for our prices of high grade nursery stock direct to planters. Ozark Nursery, Tahlequah, Okla.

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 FOR SALE—HUME TRACTOR 20-30, bottom LaCross plow, 110 volt dynamo. Geo. Buntz, Chase, Kan.
 WANTED TO BUY—SMALL SIZE MAYtag shredder, State price and condition. H. A. Reynolds, Cashon, Okla.
 PURE EXTRACTED HONEY, PUT UP IN 60 lb. cans, 30 cents per lb.—30 lb. or 12 lb. cans, 32 cents. F. O. B. here. Roy Bunger, Eskridge, Kan.
 MOLASSES—PURE SORGHUM, MADE THE good old fashioned way. Six ten lb. pails to case, \$7.50 per case. Sample mailed free. S. Roenblatt, Hawesville, Ky.
 FOR SALE—ONE BATES STEEL MULE tractor, 16 horse draw bar, 30 bolt. Pulls four 12 inch plows nicely. Nearly new in first class mechanical condition. For quick sale, \$750. C. W. Griffin, Chanute, Kan.
 BALE TIES WHOLESALERS AND RETAILERS. Lumber direct from mill in car lots, send itemized bills for estimate. Shingles and rubber roofing in stock at Emporia. Hall-McKee Lumber & Grain Co., Emporia, Kan.
 HIGH PRICES PAID FOR FARM AND dairy products by city people. A small classified advertisement in the Topeka Daily Capital will sell your apples, potatoes, peaches, tomatoes and other surplus farm produce at small cost—only one cent a word each insertion. Try it.
 2 25 H. P. BEEVES TRACTION STEAM engines, practically as good as new in every way. 1 35 H. P. Advance steam traction engine. Fine shape; good for any kind of engine work. 1 25 H. P. Reeves traction gasoline engine. Splendid condition. These engines have had but little use and can be sold at bargain prices. Immediate delivery. F. O. B. Kansas City, Mo. H. C. Darnell & Co., 408 Reliance Bldg., Kansas City, Mo.

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Our Special Price	1.70

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Farmers Mail and Breeze	\$1.00
Home Life	.35
Household	.25
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Farmers Mail and Breeze	\$1.00
Household	.25
Woman's World	.50
People's Popular Monthly	.25
Total Value	\$2.00
Our Special Price	1.50

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Farmers Mail and Breeze	\$1.00
Capper's Weekly	1.00
Home Life	.35
People's Popular Monthly	.25
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Farmers Mail and Breeze	\$1.00
Modern Priscilla	1.50
People's Popular Monthly	.25
Household	.25
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Note If you do not find your favorite magazine in clubs listed above, make up your own combination of magazines and write us for our special price. We can save you money on any two or more magazines providing they are clubbed with our publication.

Nov. 22 the Last Day

Farmers Mail and Breeze, Topeka, Kan. Enclosed find \$ for which please send me all the periodicals named in Club No. for the term of one year.

Name

Postoffice

R. F. D. Box. State

TOM McNEAL'S ANSWERS

Who Owns the Straw?

A rents land from B for wheat, agreeing to give one-third rent with no provision about the straw. To whom does the straw belong? W. J. B.

If the lease stated that the renter was to receive two-thirds of the crop he is entitled to two-thirds of both grain and straw. If it states two-thirds of the grain then the landlord is entitled to one-third of the grain and all the straw.

Sale of Liberty Bonds

Kindly give the rules and regulations or law that governs the sale of Liberty Bonds, and is there a penalty for violation? SUBSCRIBER.

There is no law fixing the manner in which Liberty Bonds shall be sold. The U. S. Treasury has permitted different terms of deferred payment which you can get from your local banker.

Dependent Father

Does a father who has a son in the American expeditionary forces in France, draw any money from the United States government? A READER.

Only in case the father is dependent on his son for support either in whole or in part and in that event the allowance made by the government will not be greater than the soldier's contribution out of his own pay and in any event will not exceed the following amounts: When there is only one dependent parent \$10, if there are two dependent parents \$20 a month.

More About the Draft

Does the local draft board have the right under the first man power bill to place a man in class 4, after it saw fit to place him in class 2, at the start? The man in question had been married several years, lived at his father's home, had no children but some months back it became known that there would be a child and he went to the board to ask for a lower classification and they put him in class 4 altho as yet the little one has not arrived.

Does getting married a few weeks before a man's registration took place give him the right to deferred classification? Of course the things before mentioned may have all been brought about to escape military service.

If the government sends the high school boys of this registration to college, what will be done for the boys who have not had that opportunity for getting an education? READER.

The local draft boards are given considerable powers of discretion in the matter of classification. No doubt there are mistakes being made and slackers are hiding behind their wives' skirts, but I am of the opinion that the Kansas draft boards are trying to do the fair thing as nearly as they know how. There are certain general rules however that they must follow altho these rules may sometimes work an injustice. For instance, under the rules established at Washington, the man with a dependent wife and one or more children is entitled to deferred classification, notwithstanding the fact that it is possible his wife and children might be better fed and better clothed with the allowance provided if the husband was in the army than they are at present. Such cases are the exception. The rule is that the single man can go with less sacrifice than the married man. Also it is less burdensome to the government to send the single men than the married men, because in the case of the married man the government has to provide for the family in addition to the pay of the soldier. When it is plainly evident that a marriage was contracted for the purpose of evading the draft, the local draft board should not grant the deferred classification. In the case of the unborn child it would be left to the discretion of the board whether deferred classification should be granted or not.

While it may seem that youths of from 18 to 20 years old are rather immature, it must be remembered that the Civil War was won for the Union by an army, the majority of whom were youths of from 18 to 21. Also, I think in the years to come, the boy who takes an active part in this Great War will have a considerable advantage over the boy who stays at home.

In regard to the educational training being given high school boys by the government, there is no question but that there is a certain injustice being done the boys who never had the opportunity for high school training, but a standard for admission had to be fixed somewhere. In a word, we must admit

that in a great crisis like this much injustice will be done. Many will suffer where others far less deserving suffer not at all. Neither will rewards be distributed evenly, but taken as a whole I believe that the government has endeavored to make rules as nearly fair as possible. The government has not fixed regular periods for the registration of those coming within the draft age.

Benefits of Soil Drainage

Whether the common angle or earth worm supplied the idea for the origin of drain tile is not known. But if the burrow of a worm makes the ground porous and permeable to rain and air it is easy to see what an advantage drain tile is to any kind of land. It is safe to assert that it will make poor land good and good land better.

It also is generally understood that drain tile carries away the excess water from the ground. Probably the best example of how drain tile works under ground can be obtained by watching the water enter the sides of a dug well. The well, of course, is much larger than the drain tile and as a result draws water from a greater area, but the principle is the same. With the excess water disposed of thru the line of drain tile it affords the air an opportunity to enter the ground from which this excess water has been drawn.

Unless this excess water has been removed from the ground the soil will remain cold and wet and the exclusion of the air and sunshine will not permit the needed plant food to perform its functions.

However, neither comparisons with the burrow of the worm nor the example of the dug well will make the converts to tile drainage as rapidly as "seeing and believing."

There is nothing quite so effective as results. When two farms with practically the same soil, the same tillage, seed from the same source and identical weather conditions, separated only by a fence or a road obtain widely different results there must be a reason. When one of these farms succeeds in growing crops despite excessive wet spells or continued drouths and the other makes a complete failure the owner of the farm that failed is very likely to seek the reason for his failure. When he knows that the owner of the successful farm is getting results from the use of drain tile it is reasonable to suppose that the owner of the land where the crops fail is at least going to talk about using drain tile.

New Madrid county, Missouri, farmers had an opportunity this year to learn by observation the difference between crops grown on drained and undrained land. H. C. Hensley, the county farm agent of the county, has advocated the use of tile drainage ever since he has been in office. It was more or less difficult to convince the owners of ridge land that it needed drainage. Their idea of drainage was that it simply benefited overflow or bottom lands. Every time an owner of ridge land complained of the crop results it afforded an opportunity for Hensley to talk drainage.

Murray Phillips, a farmer living near New Madrid, was one of the farmers who heeded the advice of the county agent. This spring the wheat stand on the Phillips farm was even and produced an excellent crop. Wheat on the adjoining farm had been ruined in spots, some of them as large as 1/4 acre, because of wet, seepy places which drowned the crop. Russell Pinnell, whose ridge land between Lilbourn and Marston produced more or less indifferent results for many years, was one of the show places of the county this summer.

Mr. Pinnell had cotton in July which was almost waist high. It had a good heavy stand and was even thruout the field. The ground was mellow and in excellent condition. Just across a narrow lane and a small ditch the cotton on an undrained field was thin, uneven and stunted. The ground on this field was rough and cloddy. As the Pinnell land is adjoining one of the main roads the farmers in the vicinity had a good opportunity to see the practical results and benefits of tile drainage. Asked for his opinion as to the difference between drained and undrained land Mr. Pinnell said:

"The difference between drained and undrained land is just the difference between crops and no crops."

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IMPROVED 160, \$1,000 down, balance 6%. Price, \$52.50 per a. E. H. Fast, Burlingame, Kan.

I HAVE some of the best farms in Kansas on my list. Write me what you want. Andrew Burger, Burlington, Kan.

FOR SALE—All kinds of farms in N. E. Kan. Send for printed list. Silas D. Warner, 727 1/2 Commercial St., Atchison, Kan.

FOR SALE—Number 1, wheat and stock ranch, 400 acres. Write for description. A. C. BAILEY, KINSLEY, KANSAS.

FOR SALE good 80 acres of wheat land in Osborn Co., Kan. For price and particulars, address, Owner, Box 83, Linn, Kansas.

160 A. Anderson Co., Kan. Well imp., 60 a. wheat, 1/2 goes; abundance of water, good pasture, \$60 acre. TRIPLETT LAND CO., GARNETT, KAN.

\$20,000 worth El Dorado, Kan., property, all clear, to exchange for farm. Mean business. R. H. WEBER, Kansas City, Kan.

845 Armstrong Ave., Kansas City, Kan.

80 ACRES 2 1/2 mi. town, improved, ml. school, 70 cultivation, \$45 acre, \$1,200 handle. 80 acres improved, ml. town, school, \$60 acre, \$2,000 handle. P. H. Atchison, Waverly, Kan.

GOOD SOUTHEASTERN KANSAS FARMS: For sale on payments of \$1,000 to \$2,000 down. Also, to exchange for clear city property. Address The Allen County Investment Co., Iola, Kan.

152 A. IMPROVED, 100 a. in cultivation, 60 a. in wheat, 1/2 goes, 50 a. pasture and meadow. Price \$45 per acre. Good bargain. Investigate this. GEO. M. REYNOLDS, WAVERLY, KANSAS.

CHASE COUNTY STOCK FARM FOR SALE by owners. 160 acres, 90 acres in cultivation, 45 acres in wheat. Well improved. BOX 48, R. R. No. 1, SAFFORDVILLE, KAN.

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IMPROVED 240 ACRE FARM 140 a. splendid valley alfalfa land, black soil, balance good pasture, good house and barn. Price \$55 per acre. Choice investment. M. T. SPONG, FREDONIA, KANSAS.

COME TO LYON CO. for good wheat, corn and alfalfa land. Best schools, churches and railroads in U. S. A. We have all kinds of farms and ranches for sale. Staats & Hedrick, Emporia, Kansas.

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LANE COUNTY, KANSAS Write me for prices on wheat and alfalfa, farms and ranches. \$10 to \$25 per acre. W. V. Young, Dighton, Kan.

35 A WHEAT FREE 160 a. Franklin County, Kansas. 7-room house; new barn; other improvements; 14 a. blue grass; fine hay meadow. Price, if sold immediately, \$12,500. Terms. FRANK MANSFIELD, OTTAWA, KANSAS.

80 Acres for \$5500 Summer county; good chocolate loam upland; 25 a. pasture, rest farm land; some wheat; plenty bldgs., fruit; poss. March 1. Terms. R. M. Mills, Schwetter Bldg., Wichita, Kan.

NESS CO. KANSAS LANDS Good wheat, alfalfa and ranch lands at from \$10 to \$25 per acre. Write for price list, county map and literature. FLOYD & FLOYD, Ness City, Kansas.

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400 A. WHEAT LAND Harper county, Kansas. 6 1/2 miles northeast Anthony. Good tenant improvements. 300 acres in cultivation, is practically all rich, deep, producing soil. 100 acres high class grass land, good neighborhood and can sell on good terms. Price \$42.50 per acre. Couch Land Co., Anthony, Kansas.

FOR SALE—90 a. well improved river bottom farm in S. E. Kansas, 55 a. in wheat, 10 a. in alfalfa, 10 a. in Catalpa trees, 80 a. in cultivation. This is an A-1 farm. Address A. Care Mail and Breeze, Topeka, Kansas.

CHASE COUNTY STOCK RANCH Square section, 8 miles railroad, 80 acres cultivated, balance bluestem grazing land, nice stream, timber, fine water, good buildings. Fine for the stockman. Price \$32,000. Liberal terms. J. E. Bocoock & Son, Cottonwood Falls, Kan.

WOULD LIKE to locate 300 good families in Wallace county, Kansas, for general farm and stock raising, land paying for itself one to five times this year. Write for what you want. A. H. Wilson, Sharon Springs, Kan.

800 ACRES, 6 miles of town, 600 acres grass, small improvements, \$20 per acre. \$1,400 cash, half of crop for 5 years, without interest, balance 5 years, 6% interest. Best stock proposition in country. Fouquet Brothers, Ransom, Kansas.

80 ACRES, creek bottom, limestone soil, abundance of good water, 5-room house, barn, etc. Orchard, some timber, 1/2 mile school, 5 miles town. Bargain. \$6,500. Come at once or write for descriptive booklet and description of any size tract. Mansfield Land & Loan Co., Ottawa, Kan.

GOOD CREEK BOTTOM FARM, 160 acres, 6 miles from town, near school, on main auto road, 20 acres alfalfa, 30 wheat, 50 for corn, 60 pasture, good timber and plenty of water, good 6-room house and large barn; \$75 per acre. T. B. GODSEY, EMPORIA, KANSAS.

NESS COUNTY WHEAT LAND 480 acres located 5 1/2 miles from Ness City. All good smooth land, well and wind mill, barn for 10 head of stock, 60 acres in cultivation, can all be farmed. Price, \$30 per acre. Write for list and county map. GEO. P. LOHNES, Ness City, Kan.

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115 A., 100 a. fine bottom land, 90 a. cult., 16 a. alfalfa, bal. corn, all fenced, 4 r. house, fair barn, 3 ml. county seat on Sugar creek. Price \$7,500. Terms. Write Sherman Brown, Pineville, McDonald Co., Mo.

OKLAHOMA

740 A., 6 miles McAlester. 75 a. fine bottom land cult. Bal. rough pasture. Good imp. Price, \$12 per a. Southern Realty Co., McAlester, Okla.

560 ACRES farm land in Harper Co., Okla., to exchange for garage building or good rental. Owner's sons in service and cannot farm. Will bear inspection. Do not offer junk. The Pratt Abstract & Inv. Co., Pratt, Kan.

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CHEAPEST GOOD LANDS IN AMERICA Your chance to select from thousands of acres in South Central Florida highlands, splendid orange, garden, general farming, cattle and hog lands, wholesale prices, terms or exchange. FLORIDA GOOD HOMES CO., Scarritt Bldg., Kansas City, Mo.

Kansas Plans Bigger Crops

The wheat acreage this fall in many of the counties in Kansas has been almost doubled, and the outlook for the early sown wheat was never better before. Recent rains have been heavy and have put the soil in excellent condition. Most of the Kansas farmers are planning to increase the acreage of all crops very largely next year in order to meet the demand of the nation for increased food production. The prospect of an early peace may lower the prices of many farm products, but Kansas farmers are loyal to the core and will plan to increase the acreage and the crop production to the limit in order to help the government win the Great War.

A review of the crop situation for 1918 shows that farmers everywhere made a generous response to the call of the nation this year for increased acreages of nearly all crops. Farmers of the United States planted 32 million acres more land in 17 crops produced this year than were planted in 1914, according to the estimates of the U. S. Department of Agriculture. There has been an increase every year since that date. The estimated average this year is 53 million acres more than was reported in the census enumeration for 1909, an increase of nearly 18 per cent.

The principal increases since 1914 are: Corn 10 million acres, spring wheat 5 million acres, oats 6 million acres, rye nearly 3 million acres, rice 1/2 million acres, tame hay 4 million acres. The area of wild hay decreased about 1 million acres. Local crop conditions in Kansas are shown in the county reports that follow:

Geary County—An excellent rain fell here last week. Wheat is making very good growth and many fields are being used for pasture. Pastured cattle bring high prices at sales. Hogs are scarce and feed is very high. Wheat, \$2.00; corn, \$1.75; eggs, 45c. —O. R. Strauss, Nov. 2.

Rooks County—We had 2 1/2 inches of rain last week. The ground is in excellent condition. Grasshoppers are doing considerable damage to the wheat crop. —C. O. Thomas, Nov. 1.

Harvey County—The weather is cool and wet, and our wheat crop looks very promising. We had a heavy rain last week and

the ground is well soaked. Butter, 50c; eggs, 42c; potatoes, \$1.40; apples, \$2; barley, shipped in, \$1.10; oats, 80c; chickens, 20c. —H. W. Prouty, Nov. 2.

Kiowa County—We are having ideal fall weather. The fall wheat and rye crops are growing rapidly, although grasshoppers still menace the fields. Corn husking has begun; the crop averages from 1 to 20 bushels an acre. —H. E. Stewart, Nov. 2.

Marshall County—We had excellent rains on October 26 and 27 that left the ground in good condition for the wheat crop. Corn is making from 2 to 40 bushels an acre. There will be plenty of feed for stock this winter. Corn, \$1.30; millet, \$1.65; chickens, 22c; butter, 60c; eggs, 45c. —C. A. Kjellberg, Nov. 2.

Morris County—Plenty of moisture in the county now, and warm weather during October caused the wheat to make excellent growth. Most of the crop will be good pasture as soon as the ground is dry enough. Farmers are still shipping out light hogs, convinced that to feed them is a losing proposition. Rough feeds will not be plentiful this winter. —J. R. Henry, Nov. 1.

Ottawa County—An abundance of moisture has put the soil in excellent condition for the wheat crop. We have the heaviest growth of wheat this fall since 1913, which will provide sufficient winter feed for our stock. The roads are in very bad condition and it will take considerable dragging to make them fit for travel. —W. S. Walker, Nov. 2.

Pratt County—Wheat is making good growth and the early sown crop is ready for pasture. Recent rains have injured the kafir crop. Corn husking has begun and the crop is very light. Some stock has been brought into the county for wheat pasture. —J. L. Phelps, Nov. 2.

Stevens County—Our first heavy frost came last week, preceded by a 3-inch rain, so the ground is thoroughly soaked. The early sown wheat crop covers the ground. Farmers are very busy gathering the fall crops. Help is scarce and very high. —Monroe Traver, Nov. 2.

Sumner County—We have had plenty of moisture in this county. Kafir and other forage crops are still in the fields. Wheat is making a wonderful growth and stock is thriving on wheat pasture. Wheat, \$2.00; oats, 70c; corn, \$1.63; butter, 50c; butterfat, 63c; eggs, 40c; hens, 20c; potatoes, \$1.50; apples, \$1.50. —E. L. Stocking, Nov. 2.

Woodson County—Our early wheat crop is growing nicely but some farmers have not completed sowing the seed. Numerous sales are held in the county, and everything sells for good prices. We have sufficient moisture now. —E. F. Opperman, Nov. 1.

The United War Work Campaign

BY R. J. BALDWIN
Michigan Agricultural College

The United War Work Campaign planned for November 11 to 18 will be welcomed gladly by all who understand the work of the co-operating organizations. The services of the Y. M. C. A., K. of C., Jewish Welfare Board, and Salvation Army are for the same purpose and it is a happy development that they should now work together in appealing to the people of America for financial aid.

We have seen how these organizations have joined hands in carrying to our boys the touch of home care and comforts from their own homes to the fighting fields overseas. We at home should join hands in providing funds in order that this service of home comfort may not break down for a single soldier a single day. From Chateau Thierry, Belleau Woods, and St. Mihiel have come inspiring stories of service to men in action. This inspiration should be re-echoed from farm and city alike in sacrifices to make possible even greater service to the men fighting in many lands.

Sheep Clubs in the South

Four sheep specialists of the United States Department of Agriculture are co-operating with colleges in the Southern states in organizing sheep clubs. This year 1,263 boys were enrolled in sheep clubs in seven Southern states, and in other parts of the South the sheep industry has made substantial progress.

According to the August report of the United States Bureau of Crop Estimates, the percentage of sheep in the 15 Southern states on August 1, 1917, was 118.4, while that of the entire United States was 116.5.

Cotton Goods Are Lower

Prices for cotton goods and products have been reduced from 20 to 25 per cent by the price-fixing committee and their report has been approved by President Wilson.

The new prices are: 36-inch 48 by 48, \$3.00-yard sheeting, 60 cents a pound; 36-inch 56 by 60, \$1.00-yard sheeting, 70 cents a pound; 38 1/2-inch 64 by 40, \$5.35-yard print cloth, 84 cents a pound; 38 1/2-inch 80 by 80, \$4.00-yard print cloth, 84 cents a pound.

Prices on standard wide and standard duck were fixed at 37 1/2 and 5 per cent from the list and standard army duck 33 per cent from the list.

ARKANSAS

IF INTERESTED in fine farm and timbered land in northeast Arkansas, see or write F. M. MESSER, HOXIE, ARKANSAS.

ARKANSAS FARM, 240 acres gently rolling, hard wood land. Sandy loam underlain with clay. Well improved. Price, \$6,000. Eastern loan \$2,000, 6 1/2%. Station, school, churches, etc., 1 mile. Will exchange equity for clear income property. Geo. R. Lochrie, Owner, 1110 N. Monroe, Little Rock, Ark.

MISSISSIPPI

\$1.00 AN ACRE DOWN, balance long time. Mississippi Gulf Coast, the poor man's opportunity. Mild climate, good soil, home markets. Free literature. Dept. B, W. T. Smith, Owner, 227 City Nat'l Bk. Omaha, Neb.

COLORADO

COME TO Eastern Colorado where good land is yet cheap. Good water, fine climate, good crops, fine stock country. Write for list. W. T. S. Brown, Selbert, Colorado.

FARM LANDS.

PRODUCTIVE LANDS. Crop payment on easy terms. Along the Northern Pac. Ry. in Minnesota, North Dakota, Montana, Idaho, Washington, Oregon. Free literature. Say what states interest you. L. J. Bricker, 81 Northern Pacific Ry., St. Paul, Minn.

MONTANA

MONTANA The Judith Basin offers exceptional opportunities to the farmer, stockman and investor. Surecrops by ordinary farming methods. Harvest every year—not once in awhile. No irrigation, splendid climate, excellent water, good markets. You can do better in the Judith Basin. Buy direct from the owners. Prices lowest; terms easiest. Free information and prices sent on request. Address THE COOK-REYNOLDS CO., Box K-1405, Lewistown, Montana

SALE OR EXCHANGE

EXCHANGE BOOK, 1000 farms, etc. Trades everywhere. Graham Bros., El Dorado, Kan.

FOR SALE OR TRADE 160 acres unimproved land near Albuquerque, New Mexico. Price \$20 acre. D. D. Walker, Parsons, Kan.

FOR SALE 80 acre farm all in cultivation, all to be put in wheat. Sell or trade. O. C. Paxson, Meriden, Kan.

FOR SALE or exchange; ranch, improved 320 acres deeded, 1,700 acres leased; all choice level land. Price \$4,800. Write H. P. JONES, SYRACUSE, KANSAS.

FOR SALE AND EXCHANGE Northwest Missouri farms; the greatest corn belt in the United States. Also western ranches. Advise what you have. M. E. Noble & Co., St. Joseph, Mo.

WHAT BREEDERS ARE DOING

LIVESTOCK SERVICE

Of the Capper Farm Papers

T. W. MORSE

Director and Livestock Editor

TERRITORY MANAGERS

John W. Johnson, N. Kansas, S. Neb. and Ia. 820 Lincoln St., Topeka, Kan.
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NOTICE TO LIVESTOCK ADVERTISERS.

The War Industries Board has directed publishers to discontinue sending out all free copies, sample copies and exchanges.
Publishers are permitted to mail to advertisers only such issues of the paper as contain their advertisements.
We are compelled, therefore, to suspend entirely our complimentary list.

PUREBRED STOCK SALES.

Horses.

Nov. 22—L. Bridenthal, Wymore, Neb.
Nov. 23—Lefebvre Bros., Fairfax, Iowa.
Feb. 20-21—Nebraska Pure Bred Horse Breeders' Ass'n Sale, Grand Island, Neb.
C. E. Way, Lincoln, Neb., sale manager.

Jack and Jennets.

Feb. 25—H. T. Hineman & Sons, Dighton, Kan.

Shorthorn Cattle.

Nov. 11—J. R. Whisler, Watonga, Okla.
Nov. 11—Retzlaff Bros., Watonga, Okla.
Nov. 12—H. C. Lookabaugh, Watonga, Okla.
Nov. 12—S. A. Nelson & Sons, Malcolm, Neb.
Sale at South Omaha, Neb.
Nov. 14—P. C. Barber & Sons, Skidmore, Mo.
Nov. 14—L. H. Ernst and L. Lyell, Tecumseh, Neb.
Nov. 14—J. O. Kemmel & Son, Sabetha, Kan.
Nov. 14—R. M. Young, Cook, Neb.
Nov. 18—The Hebron Sales Pavilion Co., Hebron, Neb. J. H. Barr, Sale Mgr.
Nov. 19—H. H. Churchill, Osage City, Kan.
Nov. 21—Am. Shorthorn Breeders' Ass'n, at Kansas City.
Nov. 23—H. H. Holmes and A. L. & D. Harris, at Kansas City.
Dec. 6—Rogers & Boicourt, Minden, Neb.
Dec. 6—J. H. Hamilton & Son, Guide Rock, Neb. Sale at Superior, Neb.
Dec. 19—Ben Lyne, Oak Hill, Kan. Sale at Abilene, Kan.
March 6-6—South West Nebraska Shorthorn Breeders' Ass'n, Cambridge, Neb. W. E. McKillip, Mgr.

Hereford Cattle.

Nov. 15—P. W. Good, Wilsey, Kan.; Council Grove, Kan.
Nov. 16—Kansas Hereford Breeders' Ass'n Sale, Council Grove, Kan.
Nov. 18—Miller & Manning, Parkerville, Kan.
Nov. 19—Robt' H. Hazlett, Eldorado, Kan., at Kansas City.
Nov. 22—Am. Hereford Breeders' Ass'n, at Kansas City.
Nov. 23—J. O. Southard, Comiskey, Kan.
Dec. 11—H. R. Wilson, Garrison, Ia.
Feb. 22—C. F. Behrent, Norton, Kansas.

Jersey Cattle.

Nov. 12—W. H. Maxwell, R. 2, Topeka, Kan.

Holstein Cattle.

Nov. 29-30—A. S. Neale and others, Linwood, Kan.
Dec. 12—Wichita Holstein sale. Mgr. W. H. Mott, Herington, Kan.
Feb. 11—Nebraska Holstein Breeders' Consignment Sales Co., Dwight Williams, Mgr., South Omaha, Neb.
Feb. 22—Kansas Holstein Breeders' Ass'n Sale, Topeka, Kan. W. H. Mott, Mgr., Herington, Kan.

Poland China Hogs.

Nov. 11—Ed H. Brunner, Jewell, Kan., at Manhattan, Kan.
Nov. 12—J. Dee Shank, Mankato, Kan. Sale at Superior, Neb.
Nov. 19—R. A. Welch, Red Oak, Okla.
Dec. 19—Ben Lyne, Oak Hill, Kan. Sale at Abilene, Kan.
Jan. 31—J. J. Hartman, Elmo, Kan.
Jan. 31—Adams & Mason, Gypsum, Kan.
Feb. 11—E. Myers, Gardner, Kan.
Feb. 11—H. Brown, Selden, Kan. Sale at Oberlin, Kan.
Feb. 11—von Forrel Bros., Chester, Neb.
Feb. 11—W. E. Willey, Steele City, Neb.
Feb. 11—Thos. F. Walker & Son, Alexandria, Neb.
Feb. 11—Willis & Blough, Emporia, Kan.
Feb. 11—Frank J. Rist, Humboldt, Neb.
Feb. 11—Otto A. Gloe, Martel, Neb.
Feb. 11—O. B. Clemetson, Holton, Kan.
Feb. 11—B. E. Ridgley, Pickering, Neb.
Feb. 11—J. M. Barnett, Denison, Kan.
Feb. 11—O. E. Wade, Rising City, Neb.
Feb. 11—A. J. Erhart & Sons, Ness City, Kan. Sale at Hutchinson, Kan.
Feb. 11—Ross & Vincent, Sterling, Kan.
Feb. 11—F. Behrent, Norton, Kansas.
Feb. 11—Everett Hayes, Manhattan, Kan.
Feb. 20—Clarence Dean, Weston, Mo., sale at Durborn, Mo.

Chester White Hogs.

Feb. 11—Arthur Mosse, Leavenworth, Kan.
Feb. 21—Henry Murr, Tonganoxie, Kan.

Duroc Jersey Hogs.

Nov. 12—John C. Simon, Humboldt, Neb.
Nov. 12—J. A. Bockenstette, Fairview, Kan., at Hiawatha, Kan.
Nov. 12—"All Star" boar sale. W. W. Jones, Mgr., Clay Center, Kan.
Nov. 14—Elook Bros., Stanley, Kan.
Nov. 14—R. M. Young, Cook, Neb.
Nov. 14—C. C. Dee, Tecumseh, Neb.
Nov. 21—D. J. Ryan and R. E. Mather, Centerville, Kan.
Nov. 25—A. E. Sisco-O. H. Doerschlag, comb. sale, Topeka, Kan.
Jan. 8—J. D. McComas, Wichita, Kan.
Jan. 20—O. Bayne & Son, Aurora, Neb.
Jan. 20—Theodore Poss, Sterling, Neb. (Night Sale.)
Jan. 20—Dave Boesiger, Courtland, Neb.
Jan. 21—C. C. Dee, Tecumseh, Neb.
Jan. 21—J. T. Whalen & Son, Courtland, Neb.
Night sale, at Lincoln, Neb.
Jan. 22—Geo. Briggs & Son, Clay Center, Kan.
Jan. 22—J. O. Honeycut, Marysville, Kan.
Jan. 22—F. J. Moser, Goff, Kan., at Sabetha, Kan.

Jan. 23—Farley & Harney, Aurora, Neb.
Jan. 24—H. D. Geiken, Cozad, Neb. Night sale, at Gothenburg, Neb.
Jan. 24—H. E. Labart, Overton, Neb.
Jan. 25—Eroett Bros., Alexandria, Neb.
Jan. 25—W. R. Huston, Americus, Kan.
Jan. 28—H. W. Swartsley & Son, Riverdale, Neb.
Jan. 29—A. C. French, Lexington, Neb.
Jan. 31—C. T. White, Lexington, Neb.
Feb. 3—Ahrens Bros., Columbus, Neb.
Feb. 3—D. L. Wallace (night sale), Rising City, Neb.
Feb. 4—R. Widdle & Son, Genoa, Neb.
Feb. 4—Guy Zimmerman, Morrowville, Kan., at Fairbury, Neb.
Feb. 5—F. E. Gwin & Sons, Morrowville, Kan., at Washington, Kan.
Feb. 6—Lester Road, Glen Elder, Kan.
Feb. 7—L. L. Humes, Glen Elder, Kan.
Feb. 7—A. L. Wylie & Son, Clay Center, Kan.
Feb. 12—Earl Babcock, Fairbury, Neb.
Feb. 12—W. A. Williams, Marlow, Okla.
Feb. 13—Milton Poland, Sabetha, Kan.
Feb. 13—Flinerty Farms, Oklahoma City, Okla.
Feb. 13—C. B. Clark, Thompson, Neb.
Feb. 14—W. W. Zink, Turon, Kan.
Feb. 17—Combination sale, Clay Center, Kan. W. W. Jones, Mgr.
Feb. 17—R. E. Steele, Falls City, Neb.
Feb. 18—E. P. Flanagan, Chapman, Kan.
Feb. 18—John C. Simon, Humboldt, Neb.
Feb. 19—T. P. Moren, Johnson, Neb.
Feb. 19—John W. Jones, Minneapolis, Kan., at Salina, Kan.
Feb. 20—E. R. Anderson, McPherson, Kan.
Feb. 21—Mott Bros., Herington, Kan.
Feb. 24—A. L. Eshelman, Abilene, Kan.
Feb. 26—John W. Petford, Saffordville, Kan.
Feb. 26—Gordon & Hamilton, Horton, Kan.
Feb. 27—A. J. Turinsky, Barnes, Kan.
Feb. 27—W. W. Otey & Son, Winfield, Kan.
Feb. 28—R. E. Mather, Centralia, Kan.
Feb. 28—W. H. Schroyer, Miltonville, Kan.
Feb. 28—J. A. Bockenstette, Fairview, Kan., at Hiawatha, Kan.

Hampshire Hogs.

Feb. 3—Lindgren & Nider, Jansen, Neb. Sale at Fairbury, Neb.
Feb. 28—Carl Schroeder, Avoca, Neb. Sale at Nebraska City, Neb.

S. W. Kansas and Oklahoma

BY A. B. HUNTER

March pigs at \$50 per head and satisfaction guaranteed is the advertisement of A. H. Burg, Lakin, Kansas, breeder of Duroc Jersey hogs.—Advertisement.

W. W. Otey & Son, Winfield, Kan., in order to avoid any more delay than has already been caused by influenza quarantine are cutting the prices on their spring boars 25% for immediate sale. Otey & Son are well known breeders and exhibitors of Duroc Jersey hogs and their reputation is established.—Advertisement.

E. B. Myers, Hutchinson, Kan., sold at auction Nov. 1, 27 Poland Chinas, 24 sows and gilts and three young boars for a total of \$1,276. Only a small attendance was present at the sale and the quality of the offering was worthy of better prices. Owing to the lack of boar buyers present Mr. Myers allowed the auction to close with a number of excellent young boars unsold. These he will close out at very reasonable prices. Write him today, mentioning Farmers Mail and Breeze.—Advertisement.

Duroc Grandsons of Educator.

Walter Shaw, R. 6, Wichita, Kan., in this issue is advertising Duroc boars. They are grandsons of the noted Educator and sired by Col. Graduate. They are extra growthy fellows and several are good enough to head good herds. Mr. Shaw is pricing them for quick sale. They are all immuned and ready for hard service. If you want a good boar well worth the price asked, write Mr. Shaw today. Please mention Farmers Mail and Breeze.—Advertisement.

Downie's Herd Boar, Capt. Bob.

Frank L. Downie, Hutchinson, Kan., has recently purchased Captain Bob, by Caldwell's Big Bob. A number of the sows and gilts in his January bred sow sale will be featured bred to this son of the noted champion, Caldwell's Big Bob. Wonder by the three times champion, A Wonderful King, will still continue to do service in this herd. If you want a good young boar at reasonable price, double vaccinated and ready for service, write Mr. Downie today and mention Farmers Mail and Breeze.—Advertisement.

Erhart & Sons' Big Sensation.

A. J. Erhart & Sons, Ness City, Kan., have perhaps the largest herd of Poland Chinas in Kansas. They now have right at 450 head. Big Sensation, their recently acquired herd boar, is in the judgment of widely traveled hog men, the largest of widely bred. His actual weight, 1264 pounds, is not the only interesting feature of this sensational hog. He is by Smooth Big Bone and out of Big Maid 1st, by Big Wonder. His sire was grand champion at Iowa State Fair 1915 and his full sister was grand champion sow at the National Swine Show, Omaha, Neb., 1916. One of the attractions of the Erhart February bred sow sale, will be sows bred to him. Out of an unusual crop of spring boars and gilts Erhart & Sons have selected 20 of the best young boars they ever had to offer at private sale. Write them for particulars. All immuned and ready for service. Please mention Farmers Mail and Breeze.—Advertisement.

N. Kan. and S. Neb. and Iowa

BY JOHN W. JOHNSON.

Ed. Brunner's big two in one sale at Mankato, Kan., next Monday, is right here. Nov. 11 is next Monday. Eighty head will be sold and they are as good as will be found in any sale this season and the breeding is down to date. Drive over, it's not far.—Advertisement.

W. H. Maxwell's big Jersey cattle dispersion sale at his farm just south of Topeka, Kan., Tuesday, Nov. 12, is right here. Go to Topeka and phone for directions or they will come and get you. But come if you want Jerseys that are right and making money right now.—Advertisement.

Special attention is called to the advertisement of J. L. Griffith, Riley, Kan., starting in this issue of the Farmers Mail and Breeze. Mr. Griffith is one of the best known Poland China breeders in the west and his herd at Riley, Kan., is one of great merit. He has a big crop of fall pigs ready to wean and they are out of his best herd sows and sired by such boars as Double Gerstdale Jones and other noted breeding. These young fellows are extra choice, both in breeding and as individuals and he wants

to sell them as quick as he can as he has neither the feed nor the time to give them the show they deserve. He will price them for 30 days at \$20 each, take as many as you want.—Advertisement.

O. B. Clemetson, Holton, Kan., offers just a few very choice Poland China boars weighing over 200 pounds and sired by O. B.'s Wonder and Clemetson's Big Bob. These boars are of the best of breeding and sired by two great boars and out of big, prolific, mature sows. They are just the tops and must go by Nov. 20. Write quick. Their sisters are reserved for his bred sow sale Feb. 11, which will be held in Holton.—Advertisement.

Cedardale Stock Farm, Bunker Hill, Kan., Russell county, is the home of registered Percherons and Hereford cattle. The firm of Dauber Bros. is owner and one of them, Joseph T. Dauber, is manager. They offer at the present time some Hereford bulls of Anxley 4th breeding old enough for service and some Percheron fillies. Anyone interested should write them at once and get their prices and descriptions of the stock. Look up the advertisement in this issue of the Farmers Mail and Breeze.—Advertisement.

Shorthorns at Auction.

J. O. Kimmel, Sabetha, Kan., and his son are dispersing their herd of Shorthorn cattle at the farm three miles north of Sabetha. The son is in the army and Mr. Kimmel has just sold his fine farm and will locate in Sabetha. The offering is one of great merit. The advertisement appears in this issue. Look it up. You might have time to get the catalog by writing at once but take this tip and be at this sale if you want a few good cows or heifers or a good young bull or if you want to buy a real herd bull.—Advertisement.

Good Advertising; Good Sale.

J. M. Gish, in remitting for the advertising of the grade Holstein cattle sale of Gish & Smeltz, at Enterprise, Kansas, writes as follows: "We sure had a wonderful sale, very satisfactory in every way. Twenty cows in milk averaged \$201.62. The entire sale amounted to nearly \$11,000. We are more than pleased with the results from Farmers Mail and Breeze. These cattle were all grades except one heifer and the bull. One grade heifer 2 years old sold for \$337.50. Her three weeks old calf sold for \$70.—Advertisement.

Shorthorn Sale the 10th.

H. H. Churchill's Shorthorn sale, to be held near Osage City, Kan., Tuesday, Nov. 19, is advertised in this issue of the Farmers Mail and Breeze. Mr. Churchill is compelled to sell because of the shortage of feed in that locality. He is putting some choice Shorthorns in this sale that are not in the right condition to sell to the best advantage but his loss will be your gain in this instance because they are in the best possible condition to go to your farm and thrive and do well. Mr. Churchill is a well to do farmer and Shorthorn breeder at Osage City and everything he guarantees will be just as he says it is. Write for the catalog and attend the sale.—Advertisement.

Topps of Two Herds.

D. J. Ryan, Centralia, Kan., and R. E. Mather, Centralia, Kan., are two breeders of Duroc Jerseys at that place who have joined hands to hold a boar and gilt sale at Centralia, Thursday, Nov. 21, that will be worth while. Both own herd boars of real merit and both have grown out their spring pig crops in fine shape. Mr. Mather is consigning most of the boars and is reserving his top gilts for his bred sow sale in February. Mr. Ryan is not going to hold a bred sow sale and is cutting his top gilts in this sale. He is also putting in a few very choice top boars. Putman Pathfinder, Mr. Mather's herd boar, was sired by the great Pathfinder and his dam, Reed's Lady, was a famous brood sow. He is a great individual and has sired a wonderful fine lot of boars and gilts this season. Critie's Orion, Mr. Ryan's herd boar, is a big massive fellow with two of the famous families back of him, Orions and Critics. He is a splendid producer of the kind that everybody wants. You will be pleased with these two offerings in one of the tops of

these good herds. Write for the catalog and address either party at Centralia, Kan. J. A. Bockenstette, Fairview, Kan., will sell a choice lot of boars in the sale pavilion at Hiawatha on the 22nd. Attend both sales and at one expense.—Advertisement.

Norton County Polands.

John F. Foley, Oronoque, Kan., Norton county, is the well known pioneer Poland China breeder of that section of the state. His herd is one of the best in the state and this is putting it strong but is nevertheless true. Mr. Foley has bought from leading herds of Iowa and Nebraska almost every season and his herd sows are of the big prolific kind that always prove profitable. These boars and gilts he is offering will be found the strictly big type and there are 40 boars and gilts in the offering at private sale for this month. Crop conditions make it necessary to sell at private sale as crop conditions there would not warrant a public sale. Look up his advertisement in the Poland China section of this issue.—Advertisement.

P. W. Good's New Sale Date.

P. W. Good, Wilsey, Kan., the well known Hereford breeder at that place, was compelled, because of the influenza epidemic, to postpone his big sale in the sale pavilion at Council Grove, Kan., Oct. 14. The new date is Nov. 15, which is the day before the postponed sale of the Kansas Hereford Breeders' association, which will also be held in Council Grove. Mr. Good is selling in this sale 80 head. It is the exact offering of Oct. 14 and will positively be sold on this date. Seventy-two head are females, many of them cows well along with calf. There are 8 bulls of serviceable ages and they are good ones. A lot of range bulls, big rugged fellows, will be sold and the buyer wanting one or more will be afforded a good opportunity to buy what he wants. If you already have the catalog preserve it and bring it to the sale with you. If not, write for it today, and you will receive one by return mail.—Advertisement.

Deserved More Money.

Geo. Klusmire, Holton, Kan., sold Duroc Jersey boars at the sale barn in Holton last Monday just as he said he would in his advertisements. It was one of the best offerings of well bred, well grown Durocs ever offered at auction in Northeastern Kansas. The average was a little under \$50 and was not near enough for the kind of boars in that sale. But conditions were responsible. To start with the "flu" was bad enough and sure to hurt the sale but to finish it up the roads were impassable and farmers that had not driven a team to town in a year came in in wagons and buggies but there were not enough of them to absorb the splendid boar offering of Geo. Klusmire's. But "Shorty" was game and announced there was going to be another offering just as good sold in the same place in 1919. He has some boars left for sale and some choice gilts.—Advertisement.

Brown County Durocs.

J. A. Bockenstette, Fairview, Kan., Brown county, breeds Duroc Jerseys and is a good liberal buyer of high class Duroc Jerseys in the leading sales over the country. He grew out and conditioned an offering of spring boars which he expected to sell early in November but because of an attack of the "flu" he was compelled to postpone it

DUROC JERSEY HOGS.

Champion Blood

Twenty-five years of breeding Durocs from the strains that have produced champions

HERD BOARS

By Orion Cherry King, A King The Col., Illustrator II, Golden Model Again.

Big husky boars and gilts for sale, February and March farrow. Write or come. Farm reached by interurban, from Parsons, or Cherryvale. Stop 64. LANT BROS., DENNIS, KAN.

Advertisement for Butchering Set Premium No. 500. Includes images of a skinning knife, sticking knife, and butcher knife. Text describes the set as a day of drudgery for most farmers and offers a special 20-day offer for \$1.25.

LIVESTOCK AUCTIONEERS. JOHN SNYDER, HUTCHINSON, KANSAS. Experienced all breeds. Wire, my expense.

Jas. T. McCulloch, Clay Center, Kan. My reputation is built upon the service you receive. Write, phone or wire.

HOMER T. RULE LIVESTOCK AUCTIONEER. Write or wire for dates. REFERENCES: Mail & Breese, fieldmen and breeders for whom I have sold. HOMER T. RULE, OTTAWA, KANSAS

Auctioneers Make Big Money How would you like to be one of them? Write today for big 1919 annual. Four weeks term opens Jan. 6, 1919. (Our new wagon horse is coming fine) MISSOURI AUCTION SCHOOL, Hall Bldg., Kansas City, Mo. (Largest in the World) W. B. Carpenter, Pres.

JACKS AND JENNETS. WANTED GOOD YOUNG JACKS, Description and price in first letter. GEO. S. LEWIS, DIGHTON, KANSAS

SHEEP. Registered Shropshire Rams, priced right. LOUIS M. BOYD, LARNED, KANSAS

SHEEP for sale—good breeding. Ewes, also ewe lambs. About 250 wether lambs. Will sell in any quantity. ELDER BROS., DOUGLASS, KANSAS

Registered Shropshire Yearling Ewes bred to high qualified imported sires. Also yearling rams. Prices reasonable. E. S. LEONARD, Corning, Ia.

REGISTERED SHROPSHIRE RAMS. One three-year-old, five yearlings and ten spring ram lambs. Good ones. Write for prices. Address E. Basinger, Missler, Meade Co., Kan.

For Sale, Registered Shropshire Ram Lambs Good ones, \$25. Floyd Bidker, Sharon Springs, Kan.

We Have For Sale 70 Head of extra high grade Shrop yearling ewes for sale bred to registered Shrop rams, to commence lambing the 25th of January; also yearling and ram lambs. Come and see them if you want good ones. J. R. Turner & Son, Harveyville, Kansas

FOR SALE A bunch of good big registered Shropshire bucks not high in price. Also registered ewes. Howard Chandler, Chariton, Iowa

SHEEP REGISTERED Shropshire Hampshire Southdown Best of breeding. The oldest and largest flocks in Kansas. One or a car load. See me at all the big shows. F. B. Cornell, Nickerson, Kansas

DUROC JERSEY HOGS. Bancroft's Durocs Choice 175 to 200 pound March boars \$45 each, guaranteed immunized. Choice September pigs, pairs and trios not related. Weaned November 8. Price \$20 each. Express prepaid. D. O. BANCROFT, OSBORNE, KAN.

John's Orion 42853 (a) 400 spring pigs, 200 boars by Grand Wonder 6th, Gano's Masterpiece 2nd and other noted bloodlines. It will pay you to come if you want the best. All vaccinated double treatment. F. E. GWIN & SONS Morrowville, Kan., Washington County

Boars On Approval MAPLEWOOD DUROC BOARS (THE HUNDRED DOLLAR KIND) SHIPPED ON APPROVAL at \$50. Fifty sisters of these boars sell in our sale FEBRUARY 21, 1919. MOTT BROS., HERINGTON, KAN. (Successors to Mott & Seaborn)

R. E. Kempin's Durocs 20 March Boars; 20 March Gilts. Mostly by my herd boar, Chief Critie, and out of big type sows. Special prices to move them. Vaccinated double treatment. A few by King Sensation. R. E. Kempin, Corning, Kansas (Nemaha Co.)

Woody's Durocs The big, high backed, long legged kind. The kind that gets big. I have a fine bunch of selected March boars for sale of Pathfinder, Sensation, King's Col. and Educator's Orion breeding. Educator's Orion was sired by King Orion Cherry and was one of the top boars sold in world's record breaking boar sale last October. They are all immunized and priced right. I also have a senior yearling boar, a grandson of Old Gano, for sale. Write or come and see. HENRY WOODY, BARNARD, KANSAS

until Nov. 22 and on that date in the sale pavilion at Hiawatha he will sell an offering of spring boars that will be sure to please you and one that has real merit in both breeding and individual merit. These boars are mostly by a son of High View Chief's Col., a big husky fellow that Mr. Bockenstette bought and developed and of which he is justly proud. His sire was for a long time a noted boar in Mr. Moser's herd at Goff. Others by a great young boar, Crit, a boar of real merit. Everything was immunized early in the season and it is a splendid offering of well bred, well grown boars and you can pick your boar out of the big offering at your own price. Come and buy you a boar that will suit you. Catalogs ready to mail. Ask for one now.—Advertisement.

Tennyson's Shorthorns. A. A. Tennyson, Lamar, Kan., Ottawa county, starts his advertisement in this issue of the Farmers Mail and Breeze. Mr. Tennyson is a well known breeder of Shorthorn cattle and has over 80 head in his herd at the present time. At the head of the herd is Crown Prince, and he is the sire of the 14 Scotch topped bulls he is offering in his advertisement in this issue. This bull will weigh in good breeding form 2200 and is one of the best sires ever owned by Mr. Tennyson. The cows in the herd trace to popular Shorthorn families and a number of them combine excellent milking qualities with their beef qualities. In his advertisement he is offering these bulls, most of them ready for service and a few cows and heifer calves. Mr. Tennyson is one of the successful farmers and breeders of that county and you can't miss it by dealing with him if you need a bull. His prices are not out of reason and he stands back of every transaction he makes. He also breeds Poland Chinas, both big type Poland and Spotted Poland. Write him for further information.—Advertisement.

Adams & Mason's Sale. The Adams & Mason Poland China sale at Gypsum, Kan., last Thursday was very satisfactory to this up to date firm of Poland China breeders. Of course the offering warranted a better average than \$68, but with the handicap of the influenza epidemic gave it and the best conditions of the roads they feel that it was a pretty good sale. J. J. Hartman, of Elmo, Kan., was the heaviest buyer and bought six head of the tops and topped both the boar and gilt offering. A number went to Missouri and the rest was pretty well scattered over central Kansas. The local support was good and a number stayed around Gypsum at fairly good prices. It was an unusually good offering of well bred boars and gilts and they had been well grown on and were presented in the best possible breeding form. The writer believes there has not been a sale in Kansas this fall that contained more popular blood lines and more real merit than this sale contained. The sisters of these great young fellows have been reserved for their big bred sow sale Jan. 30. They have a few boars left that they will price very reasonably for a short time.—Advertisement.

Three Big Hereford Sales. Hereford breeders everywhere should realize the importance of being in Council Grove, Kan., Friday, Saturday and Monday, Nov. 15, 16 and 18. These are the dates of the big postponed Hereford sales. F. A. Good will sell on Friday, and on Saturday the Kansas Hereford Breeders' association will hold their big sale and that evening the chamber of commerce of Council Grove will entertain the visiting breeders with a banquet and other entertainment. Every breeder that can possibly do so will be urged to stay over Sunday in Council Grove and be there ready Monday morning for Miller & Manning's big sale at Sylvan Park, only a short distance out. Council Grove is noted for its good hotels and hospitality and every breeder that stays over Sunday will be well cared for and he can have his choice of going to church or visiting Hereford breeders in the vicinity of Council Grove. If you have these catalogs preserve them and bring them to the sale with you. If you do not you can procure one by return mail by addressing F. W. Manning, Sec'y, Parkerville, Kan. Nearly 300 Herefords will be sold in these three days and you should be there if you would buy the best at reasonable prices.—Advertisement.

Another Big Successful Sale. The Holstein-Friesian association of Kansas pulled off a highly successful sale at Independence, Kan., last Friday, notwithstanding the great handicap given it by the influenza epidemic raging in Kansas and Oklahoma. Eighty head sold and the price received were good. The first 10 head sold for an average of \$309.50 but some young bulls and younger females brought the average on the entire offering down a little below that figure. The sale was well attended by buyers from Kansas and Oklahoma and at night both the buyers and the sellers were pleased with the day's work. The top price was \$575 paid for each of two cows, numbers 17 and 60, and they went to J. C. Hearrell, Columbus, Kan., and O. S. Holmes, Garnett, Kan., respectively. The top price paid for a bull was \$255. If there was a dissatisfied consignee or buyer the evening of the sale I failed to meet him. It was certainly a successful sale and reflected great credit on the members of the association who consigned to the sale and on the sale manager, W. H. Mott, of Herington, Kan., who promoted and managed the sale and brought it to a successful conclusion under very difficult conditions because of the influenza epidemic. This was also the occasion of the semi-annual meeting of the association. The chamber of commerce of Independence had planned a banquet in honor of visiting breeders but the ban on gatherings of any kind made this impossible. The manager of the Booth hotel arranged to serve dinner at 7:30 to the black and white folks in a private dining room where over 50 members of the big Kansas association dined and talked about affairs of the association. The Free Fair association at Topeka wired an invitation to the association to hold their spring sale at Topeka and the Topeka chamber of commerce included with it an invitation to attend a banquet the evening of their annual meeting. The date of the association sale will be held the next day. The association voted to accept Topeka's invitation and the annual meeting and sale will be held there. It was certainly an enthusiastic gathering of Holstein breeders and the lobby of the Booth hotel, which is one of the finest hotels in Kansas and which was headquarters for the meeting, resembled an old time political gathering. Chas. Schultz, of Independence, was popular with the Holstein fraternity of Kansas to start with but more popular than ever since that meeting at Independence.—Advertisement.

DUROC JERSEY HOGS. EXTRA GOOD DUROC BOAR, ALSO PIGS. B. ANDERSON, BLUE MOUND, KANSAS FOR SALE: 4 Duroc Jersey sows with 32 pigs. E. P. Gibson, Route 1, Barclay, Kan.

Duroc-Jersey Boars and Gilts with up to 10 date breeding. We can furnish pairs and trios not related. E. T. & W. J. GARRETT, Steele City, Neb.

Burg's Durocs Illustrators and Pathfinder breeding. March pigs at \$50 as good as there are in Kansas. Satisfaction guaranteed. Also purebred mammoth bronze turkeys. A. H. BURG, LAKIN, KANSAS

Duroc-Jersey Boars of March, April, and May farrow, priced to sell. Come or write. JOHN A. CURRY, Elmont, Kansas.

HARRISON'S DUROC JERSEYS September and March boars from champion boars and sows. W. J. Harrison, Axtell, Kan.

McComas' Durocs Big roomy herd sows, daughters and granddaughters of up to date grand champions on both sides with litters by champion and sons of champions. If you want spring boars and gilts—something good, write W. D. McCOMAS WICHITA, KANSAS

WATCH THIS HERD GROW Spring boars for sale. Also two dandy Dbc. yearling boars. Boar sale, Nov. 7; bred sow sale, Jan. 23. Sales at Sabetha, Kan. F. J. MOSER, GOFF, KANSAS

DUROC BOARS OF QUALITY Choice March boars, sired by the great herd boar, Reed's Gano, first prize boar of Kansas and Oklahoma State fairs. Also Illustrators 2nd, and Golden Model. Fine growthy boars, well built and nice color. All immunized. Priced to sell quickly. JOHN A. REED & SONS, LYONS, KANSAS

Famous Duroc Blood Lines Spring boars combining the blood of Illustrators, Pathfinder, Gano, Orion and other noted sires. Gilts bred or open. Special private sale. F. F. WOOD, WAMEGO, KAN.

Wooddell's Durocs Chief's Wonder, a giant junior yearling heads our herd. The finest bunch of spring boars to offer I ever raised. Write me your wants, or come and see them. G. B. WOODDELL, WINFIELD, KANSAS

JONES SELLS ON APPROVAL Very choice spring boars sired by King's Col. 6th and out of Orion Cherry King dams. Write for further descriptions and prices. W. W. JONES, CLAY CENTER, KANSAS

25—Duroc Boars—25 SHIPPED ON APPROVAL. Of March farrow. Richly bred, well grown, big stretchy, heavy boned fellows. At farmers prices and shipped to you before you pay. A. J. TURINSKY, Barnes, Washington County, Kan.

BONNIE VIEW STOCK FARM DUROC-JERSEYS Spring boars and gilts; prize winning blood for sale at reasonable prices. SEARLE & COTTE, BERRYTON, KANSAS

SHEPHERD'S DUROCS FORTY BIG TYPE BOARS, sired by the 1000 pound King's Col. 1 Am and the \$3000 King's Col. Jr. The dams of these are 600 to 800 pound sows sired by some of the most noted boars of the breed. G. M. SHEPHERD, LYONS, KANSAS

TRUMBO'S DUROCS 30 boars, big husky fellows, sired by Constructor and Constructor Jr., 1st prize boar Hutchinson State Fair. All double immunized. Satisfaction guaranteed. Priced to move quickly. W. W. TRUMBO, PEABODY, KAN.

Huston's Durocs 40 double immunized big boars, sired by Great Wonder 2nd and out of dams mostly by Taylor's Model Chief, winner at Missouri and other fairs. Buy them cheap now. W. R. HUSTON, AMERICUS, KANSAS

Good Duroc Boars from \$40 to \$60 sired by a corking good son of King The Col., king of the breed and out of grand daughters of Chief's Model B. & C. Col. Graduate Col., and others. Also one good fall yearling by Graduate Col. All immunized. MIKE SEIWALD, EUDORA, KANSAS.

Otey's Duroc-Jerseys Thirty head of big, rugged early spring boars priced at 25% reduction for immediate sale. These are good and must go soon. Write, wire or come. W. W. OTEY & SON, WINFIELD, KANSAS

Duroc Jersey Boars Eight selected boars of March farrow, three by Dictator 220439 and out of an Illustrators 2nd dam. Five by King's Col. 40th 228691 and out of a Select Col. dam. All immune. Splendid prospects. Priced right for quick sale. A. J. HANNA, BURLINGAME, KANSAS Rural Route 1.

BIG IMMUNE DUROC BOARS 20 spring boars sired by Col's King and Joe Orion 6th. Out of big, richly bred dams. We also offer 2 herd boars, one a son of Pathfinder, and one by King's Col. Very reasonable prices. WARD BROS., REPUBLIC, KANSAS

Immuned Duroc Boars Duroc boars, immunized and guaranteed breeders, shipped to you before you pay for them. The big southeast Nebraska herd bred for size, bone, and length. Eventually you will breed the "Crocker Type." "Why not now?" F. C. Crocker, Box B, Filley, Nebraska

DUROC JERSEY HOGS. DUROC JERSEY May and June gilts for sale now, prices and description by return mail. MAURICE M. CASEY DORRANCE, KAN.

40 March Boars IMMUNIZED Big Type Duroc-Jerseys Big bone, high backs, good feet and legs. Splendid colors and as choice lot of boars as can be found. Sired by a splendid Grandson of Model Pal. and half by King of Col. 6th. Reasonable prices. Satisfaction guaranteed. A. L. Wylie & Son, Clay Center, Kan.

Fairview Stock Farm GREAT BOAR BARGAINS Big type, heavy boned, high backed, smooth, stylish fellows; HEID HEADERS, 2 junior yearlings by the great boar, ORION CHERRY KING, dam by JOE ORION II. 1 EXTRA GOOD yearling by ILLUSTRATOR II. 12 large, fancy spring boars by Jno.'s Col. Orion, a 950 lb. boar by Jno. Orion. Write us, or come and see them. Jno. W. Jones, Minneapolis, Kansas

Schroyer Farms were extensive buyers of Duroc Jersey bred sows in leading sales last winter. Our November public sale of boars has been called off. We offer at private sale the actual tops of 200 March boars. Everything immunized with clear serum. A splendid lot of big well grown boars of most excellent breeding and priced right. Address, Robt. Evans, Manager Miltonvale, Kansas Bred Sow Sale March 5

Duroc Boars Six Grandsons of Educator, 200 to 250-pound March boars. They are out of Iowa Belle, by the noted Educator, by Ohio Chief, and are sired by Col. Graduate. These are real boars and priced for quick sale. Satisfaction guaranteed. All immunized. Act now, as this advertising will appear this time only. Walter Shaw, R. 6, Phone 3918 Derby, Kansas, Wichita, Kansas

PETFORD OFFERS Duroc Boars March and April Farrow 20 by ILLUSTRATOR'S ORION 3rd; heavy bone, good backs, head and feet; the kind that will put more size and stretch in your herd. 5 BIG STRETCHY. fellows by PET'S GREAT WONDER and out of a grand daughter of DISTURBER and a daughter of ILLUSTRATOR'S ORION 3rd. 2 by the champion CHERRY KING DISTURBER and out of Model's Lass, whose three lineal sires were grand champions. 1 by GRAND MODEL'S GIANT out of a giant sow by BELL'S CRIMSON WONDER. 1 by CHERRY KING ORION out of KING'S COL. dam. Satisfaction guaranteed; all immunized. Write, wire or phone, my expense. JNO. W. PETFORD SAFFORDVILLE, KANSAS



HORSES.

Percheron Stallions

A nice lot of good young stallions, sired by Alcarve, a 2300 pound sire, and by Bosquet, an international grand champion. Priced to sell. D. A. HARRIS, GREAT BEND, KANSAS

Percherons—Belgians—Shires Registered mares with colts at side and bred again; registered fillies, stallions 1 to 5 yrs. old; grown ourselves the ancestors for 5 generations on dam side; sires imported. Fred Chandler, R. 7, Chariton, Iowa. Above Kansas City.



MULEFOOT HOGS.

BIG TYPE MULEFOOT spring boars, bred sows and pigs at weaning time. Farmers' prices. SINK'S MULEFOOT RANCH, ALEXANDRIA, NEBRASKA

CHESTER WHITE OR O. I. C. HOGS.

CHESTER WHITE spring boars for sale. W. E. ROSS & Son, Smith Center, Kansas

Chester Whites 15 good gilts and a few boars for sale. E. E. Spilley, Perth, Kan.

O. I. C. Sow and Boar Pigs HARRY W. HAYNES, GRANTVILLE, KAN.

E. C. Gookin, Russell, Kan. is in the draft and must dispose of his Chester Whites. Herd sows, herd boar, spring pigs, both sexes. Address as above.

Registered Chester White Hogs Long, smooth, good bone, best blood lines. Service boars \$35 to \$50; a few gilts. Immunized. Dr. Clyde E. Ackerman, Stewartsville, Mo.

CHESTER WHITES

Summer and fall pigs. A. G. COOK, WALDO, KANSAS

Big Stretchy Chester White boars sired by some of the breed's most noted boars and out of extra good sows. New blood. HENRY MURR, TONGANOXIE, KANSAS

CHESTER WHITE HOGS With senior and grand champion boar, senior and grand champion sow at Kansas State Fair, we have pigs for sale. COLEMAN & CRUM, DANVILLE, KANSAS

KANSAS HERD OF CHESTER WHITE SWINE Nothing but boar pigs for sale. See King's Best at State Fair. Arthur Mosse, Route 5, Leavenworth, Kansas

HAMPSHIRE HOGS.

Hampshires on Approval Fall gilts, bred and a few fall boars. Spring boars and gilts. Just good ones for sale. The rest went to market. F. B. WEMPE, Frankfort, Kansas

MESSINGER BOY BREED Service boars. Spring boars and gilts. Weanling pigs. F. T. HOWELL, Frankfort, Kansas.

Scudder Bros. Hampshires Newly bred, easy keeping, quick maturing, the kind that fatten and raise large litters. Natural rustlers and the healthiest breed of hogs in the world. Fashionable breeding. Cholera immunized. Write SCUDDER BROS., DONIPHAN, NEBRASKA

SHAW'S HAMPSHIRE Six strong yearling boars, grandsons of Messenger Boy, ready for hard service. Satisfaction guaranteed. All immunized. Write Walter Shaw, R. 6, Phone 3918, Dorby, Kansas, Wichita, Kansas.

BUCK'S HAMPSHIRE They fatten and raise large litters. Special prices on boars, sows and gilts to farrow this fall. Let me start you in the Hampshire business with a good boar and a few sows or gilts to mate with him. 125 head from which to select. Best of blood lines, such as Messenger Boy, Look-out, etc. These hogs will please you. So will the prices. Write today. C. I. BUCK, CANTON, OKLA.

HAMPSHIRE PRIVATE SALE 7 good October yearling boars. 20 March boars. 20 March gilts. A few choice fall yearling gilts. All Messenger breeding and the gilts bred to a son of the grand champion Senator, or open. All are well grown and well belted. Prices reasonable. OLSON BROS., ASSARIA, KANSAS 12 miles south of Salina.

POLAND CHINA HOGS.

POLAND CHINA SPRING PIGS \$20 Four big boned boars out of King's Model, by King Price Wonder by King of Wonders, by A Wonder 107353, \$40. Four prize winners. E. CASS, COLLYER, KANSAS

Poland China Private Sale Spring boars and gilts; also registered tried sows. All pigs pedigreed and priced to sell. Write on or Aug. J. Cerveny, Ada, Kansas.

POLAND CHINA BOARS For sale November boars by Jumbo King, weight 250 pounds, 20 spring boars by Big Bob's Model, weighing 750 pounds at 18 months old. Sure breeder, lots of quality. Come and see them. 3 mi. N. W. of town. A. L. ALBRIGHT, WATERVILLE, KANSAS

Big Type Poland Chinas Poland China boars, also a few sows and gilts, 35 spring boars, 1 fall boar, most of them sired by State's Luce Model, first prize senior yearling boar, Nebraska State Fair 1918. Some herd boar prospects offered at the influenza our sale of October 31 could not be held. We are going to move this great offering at sacrifice prices, at private sale. Write for our catalog which gives full description of each animal. Plainview Hog and Seed Farm Frank J. Kist, Prop. Humboldt, Nebraska

Nebraska and Iowa

BY JESSE R. JOHNSON

C. F. Way, sale manager for the Nebraska Horse Breeders' association, announces their annual sale dates are Feb. 20 and 21. The sale will be held at Grand Island. Parties expecting to consign horses to this sale are requested to make their entries as soon as possible. All inquiries regarding this sale should be addressed to C. F. Way, First National Bank Bldg., Lincoln, Neb.—Advertisement.

We wish to call attention at this time to the advertisement in this issue of Farmers Mail and Breeze of R. T. & W. J. Garrett, Steele City, Neb. They are advertising choice young boars and gilts of the most popular blood lines. They will sell you a boar pig or a boar and a bunch of gilts for herd foundation. Get prices and description of these pigs. This is one of the old Duroc herds. Its sale territory now covers ten states, including Iowa, Nebraska, Kansas, Oklahoma, Colorado, Wyoming, Missouri, the Dakotas and Montana. Men making a beginning with purebreds patronize the Garrett herd.—Advertisement.

Good Fortune for Buyers.

The misfortune to which many breeders were subject during the month of October because public sales were postponed on account of influenza quarantine becomes a good fortune of many prospective buyers who now can secure animals from these intended offerings at much less money than they would have cost in a sale. One such case is furnished by Frank J. Rist, of Humboldt, Neb. He has 35 spring boars and 4 big fall boars which must be moved at once and on which prices will be made accordingly. His catalog gives description of all animals for sale and will be mailed on inquiry along with prices on just such Poland Chinas as the buyer may desire. Mr. Rist also will sell a few sows and gilts. Prospective buyers should describe just what they want when writing him and mention Farmers Mail and Breeze.—Advertisement.

Nebraska and Iowa

BY WILLIAM LAUER

The progressive Shorthorn breeders that live in the vicinity of Osceola, in Polk county, Neb., have joined forces and will hold a combination sale at Osceola, on Nov. 22. The offering is especially strong from the fact that representative animals are being consigned by so many different breeders. Everything that goes in was bred and developed in this locality and the offering represents the natural accumulation of the different herds. There will be 63 head in the sale, 35 choice young cows and heifers. Everything of breeding age will be bred to outstanding good herd bulls. Ten of the cows sell with fine calves at foot and many of them are rebred. Fifteen bulls go in, yearlings and two-year-olds, good strong fellows, many of them now ready for hard service. Included in the sale are two Polled Durham bulls and two heifers. Good clean animals. The offering has been tuberculin tested. A breeders banquet will be held the evening of the sale under the auspices of the Polk County Pure Bred Livestock Breeders' association. Write for catalog and mention this paper.—Advertisement.

S. E. Kan. and Missouri

BY C. H. HAY

The Myers-Oshel Poland sale held at Gardner, Kan., Nov. 2, was reasonably well attended, but the bidding was very slow and the average was not so good as we had expected. The offering was in good condition. A Buster Over gilt topped the sale at \$250. She went to Willis & Blough, at Emporia, Kan. Other buyers were 18 or 20 well known breeders of Kansas and Missouri.—Advertisement.

Small Crowd; Good Average.

The Sutton & Porteous Angus dispersion sale was poorly attended but the sale resulted in a fairly good average. Col. Cooper topped the sale at \$750 for a Trojan Erica cow and bull calf. Among the heaviest buyers were George Detrick, Carbondale, Kan.; J. D. Simpson, Eufaula, Okla.; J. B. Wells, Paradise, Kan.; C. W. Allen, Williamsonstown, Kan., and Brown and Perrish, Winnipeg, Canada.—Advertisement.

Monsees Jack Sale.

The thirty-ninth annual jack sale of the Limestone Valley Jack Farm, at Smithton, Mo., was not as well attended as have been their former sales. The influenza was raging thruout the country and Sedalia was having her share of the trouble. This epidemic and the scarcity of farm help no doubt kept many buyers away. S. A. Wright & Son, of Oxford, Ark., Monarch, of the two-year-old jack, Monarch, of the grand champions at \$1,750. The 22 head of jacks sold, averaged \$612. The top jennet was a five-year-old with a jack colt at foot and went to W. F. Thompson, of Wood River, Neb., at \$485. The 40 head of jennets sold averaged \$121. Following is a list of buyers: H. A. Johnson, Red Cloud, Neb.; J. C. Harrison, Montrose, Mo.; Peter Merchant, Lawrence, Mo.; Homan Moore, Whiting, Ill.; D. Jackson, Vera, Okla.; Bradley Bros., Warrensburg, Mo.; G. W. Teter, Windsor, Mo.; Jno. Walker, Marshall, Mo.; George Finley, Nelson, Mo.; W. H. Scharper, Versailles, Mo.; T. Moore, Bunceon, Mo.; Pat Swinney, Clifton City, Mo., and Geo. Roberts, Clinton, Mo.—Advertisement.

General

There is no practice which we can more highly commend to breeders who are permanent in the business of producing and selling improved livestock than effort in compiling the really interesting herd catalog. In this line the catalog of H. M. Hill, Shorthorn cattle breeder of La Fontaine, Kansas, is unique. It is more than the catalog, in fact, being a history of the herd and to some extent of the territory with which it is identified. Mr. Hill always has good cattle to sell and no prospective buyer need delay in making his acquaintance. Send for the catalog and you are acquainted. Mention Farmers Mail and Breeze when writing.—Advertisement.

Early Birds at the Royal.

Evidently the Hereford breeders are determined to be the early birds of the American Royal Livestock Show week. The two big Hereford sales held in connection with the American Royal, both are listed to start at 9:00 o'clock in the morning. The first of

POLAND CHINA HOGS.

IMMUNED MAMMOTH POLAND CHINA BOARS C. A. BOYLE, BURRTON, KANSAS

Myers' Big Type Poland Choice spring boars by Jumbo Bob, whose sire and dam's sire were the same as the world's champion Caldwell's Big Bob. Others by Myers' Joe Orange and Maple Grove Big Bob. All immunized. Write ELMER MYERS, HUTCHINSON, KANSAS

Big Type Poland Chinas One big herd sow bred for late November farrow, for sale, \$100. March boars \$35 each. SAMUEL JARBOE, COLLYER, KAN.

Boars For Sale From Sunnyridge Herd sired by Big Bobby Wonder 78405 and Blue Valley Timm Jr. 85662, out of big smooth sows. Priced to move them. W. A. PREWITT, Asherville, Kansas

Big Type Poland Pigs September farrow. Bred right. Priced right, \$25. Can furnish trios. Order now to be shipped when ready. FRANK B. MILLER, LANGDON, KANSAS.

BIG TYPE BABY PIGS Best Poland China breeding. \$20 each. Pedigree with each pig. Big massive sires and out of big prolific sows. J. L. GRIFFITHS, RILEY, KANSAS

O. B. CLEMETSON'S BOARS I offer just a few choice Poland China boars, big husky fellows weighing over 200 pounds sired by O. B.'s Wonder and Clemetson's Big Bob. Immunized. O. B. CLEMETSON, HOLTON, KANSAS

BIG-TYPE POLANDS Boars sired by King Wonder's Giant 77326 and Wonder King 2d, 87544 12 mo. old \$60, 6 mo. \$25. The dam of these boars had 9 pigs in her first, 9 in her second and 11 in her 3d litter. Safe arrival guaranteed. HENRY S. VOTH, R. 2, GOESSEL, KAN.

BIG TYPE POLAND CHINAS CAPTAIN BOB, by Caldwell's Big Bob, assisted by Wonder King, by A Wonderful King at head of herd. Choice spring boars, priced reasonable. All immunized. Frank L. Downie, R. 4, Hutchinson, Kansas

Hunter's Large Type Poland Spring boars that will grow large and sire the large kind. They are by Longfellow Timm, by Longfellow Jumbo and out of sows by Big Bob Wonder, Long King's Best Son and other noted sires. All immunized. Write today. BRUCE HUNTER, LYONS, KANSAS.

Poland China Boars Just a few of my best boars offered. Strictly big type and good all over at farmer's prices for a few weeks. J. E. Beagel, Dwight (Morris Co.), Kansas

ERHART'S BIG POLANDS A few fall boars ready for hard service. Can spare two tried herd boars. Have the greatest showing of spring boars we have ever raised. Some by the 1,250 pound, a Big Wonder. All immunized. A. J. ERHART & SONS, NESS CITY, KAN.

Poland China Herd Boars If you want a good boar come and see the ones I am offering or let me write and describe them to you. They are sired by Ex Jumbo, by Monroe's Jumbo and John Worth, a grandson of Goldengate King. My prices are reasonable and I guarantee satisfaction. Homer Souders, Chetopa, Kan.

Oxford Herd Poland Chinas Herd headed by Giant Lunker, by Discher's Giant. Herd sows by Caldwell's Big Bob, Rood's Giant, Herchel's Product, Big Fred and Big Ben. Choice spring boars, the really large kind. Satisfaction guaranteed. H. R. Reulich, Oxford, Cowley Co., Kan.

WARREN'S Large Type POLANDS An outstanding son of Big Timm heads our sow herd, some that cost up to \$1200. Immunized spring boars, with fashionable blood, size and quality. Guaranteed to please. EZRA T. WARREN, CLEARWATER, KAN.

Townview Poland Herd headed by the great young boar, King Wonders Giant 77326, I can ship spring pigs, either sex, or young herds not related. Boars ready for service. Bred gilts. Prices and Hogs are right. Chas. E. Greene, Peabody, Kansas

POLAND CHINA BOAR OFFER To move my choice boars in a few weeks I will make very reasonable prices. Only good ones offered. Sired by A Wonder 2nd, 2082351 and out of large sows. O. H. FITZIMMONS, WILSEY, KANSAS.

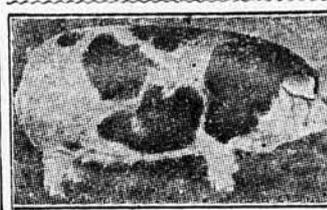
CHOICE SPRING BOARS also two extra good yearling boars. Sired by Spotted Duke and Moser's 5th. Spot, out of sows by Spotted Jumbo; Brandywine and Spotted King. I am pricing these boars in line with their breeding and individuality. No sows or gilts for sale. O. S. JOHNSTON, BONNER SPRINGS, KANSAS.

Large Type Poland Boars 20 choice young boars by such sires as Model Wonder, by Big Bob Wonder; The Giant, by Hercules, by Big Ben; King Ben, by Giant Ben; Capt. Gerstdale Jones; Big Bob Jumbo and A Big Wonder. ROSS & VINCENT, STERLING, KANSAS

Poland China Boars of Spring Farrow Big nice ones at attractive prices. Also gilts same age sold open. Also fall pigs, either sex, bargain prices. Pedigree with each pig. N. M. BAILOR & SON, ALLEN, KANSAS

FAIRVIEW POLAND CHINAS 15 heavy boned March boars, the tops of our entire spring crop. Also choice gilts. Reasonable prices. Write us your wants. F. L. WARE & SON, PAOLA, KANSAS

POLAND CHINA HOGS.



Old Original, Big-Boned SPOTTED POLANDS The kind our forefathers raised. Spring boars, bred sows, and fall pigs for sale NOW. Write at Once. EVERMAN STOCK & POULTRY FARM, Rt. 5, Gallatin, Mo.

POLAND CHINA HOGS.

MUST SELL nine tried Poland China Sows—herd boar \$50. Bargains—Pigs and Shoats. FRANK BARRINGTON, SEDAN, KANSAS

NORTON COUNTY POLANDS

I have 40 spring boars and gilts sired by splendid big type boars and out of big prolific sows. Iowa and Nebraska type. They are good. Write for descriptions and prices. John F. Foley, Oronoque, Kansas.

WIEBE'S BIG-TYPE POLAND CHINAS

Are guaranteed to suit the buyer. We ship C. O. D. or on approval. We have a variety of breeding from the best and most popular blood lines and can sell pairs not related. We offer twenty big, smooth fall gilts; tried sows; two fall boars and a very choice lot of spring pigs; many herd boar prospects. All immunized. Priced reasonable. Discount given on early sales. G. A. WIEBE & SON, Beatrice, Nebraska, Route 4, Box M.

POLAND CHINA BOARS

The get of these great sires: Our Big Knox, Blue Valley Timm, Walter's Jumbo Timm, and Gathsdale Jones. Gilts reserved for our bred sow sale.

Willis & Blough, Emporia, Kansas.

Special Boar Sale

25 big spring boars weighing 300 or more. Sired by three great Elmo Valley herd boars, out of big, prolific sows. I have just decided to sell my boars at private sale and hold their sisters for my January 31st bred sow sale. Everything immunized. Write for special boar prices.

J. J. Hartman, Elmo, Kan. (Dickinson County)

Poland China Boars

Highest Breeding and Quality. Prices Reasonable.

Laptad Stock Farm Lawrence, Kansas

Millers' Big Immune Poland Boars

25 big spring boars the tops from spring crop sired by State Line Gerstdale, a great son of Gerstdale Jones. 2 fall yearling boars of Gerstdale Jones and out of one of the biggest sows of the breed. We are making no public sales and offer these boars at private treaty at reasonable prices. Also 20 fall gilts open.

R. Miller & Son Chester, Neb.

REGISTERED GUERNSEYS

for sale. Both sexes. W. E. Evans, Jewell, Kan.

GUERNSEYS

War time prices. Several young bull calves, May Rose breeding.—One serviceable aged bull.

OVERLAND GUERNSEY FARM Overland Park, Kansas.

SHORTHORN CATTLE.

FOR SALE—Registered 4-year-old Shorthorn bull by good Secret No. 379070. J. B. Herrington, Silver Lake, Kan.

SHORTHORNS Three young Scotch bulls, herd headers; 20 young bulls suitable for farm or ranch use. J. M. Stewart & Son, Red Cloud, Neb.

SIX SHORTHORN COWS

that will calve in the spring to our herd bull, Roan Model. Good deep bodied cows of our best tribes and for sale simply to cut our herd to fit short help. Four good bulls also. D. Balfantyne & Son, Herington, Kansas

Cowan & Son's Shorthorns

We have 15 bulls from 6 to 16 months, mostly reds, two roans. All are sired by Mistletoe King, by Mistletoe Archer, by Prince Royal. He weighed 2,000 the day he was three years old. Have one pure Scotch 16 mo. old out of Crimson Beauty, the highest priced cow in Neb. State Breeders' sale in 1916. The youngest heifers are by Mistletoe King, those a little older by Pioneer, a grand son of both Avondale and Whitehall Sultan—cow by Victoria's King, the bull we sold to Wilson at Glasco. He weighed 2648 at five years old. C. A. COWAN & SON, ATHOL, KAN.

Meuser & Co's Shorthorns

Nine nice young Scotch topped bulls, reds and roans, ready for service. They are by Sycamore Chunk, by Mistletoe Archer and out of cows that carry the blood of such sires as Choice Goods and Victor Orange. They are good and priced right. Farm 1 1/2 miles from Anson and 7 1/2 from Conway Springs, Kan. WM. L. MEUSER, MANAGER, ANSON, KAN.

Stunkel's Shorthorns

Scotch and Scotch Topped Herd headed by Cumberland Diamond bulls, reds and roans 8 to 24 months old, out of cows strong in the blood of Victor Orange and Star Goods. No females at present to spare. 15 miles south of Wichita on Rock Island and Santa Fe. E. L. STUNKEL, PECK, KANSAS.

CEDAR LAWN Shorthorns

Offers choice Scotch and Scotch topped bulls from six to 15 months old. A pleasure to show our herd. Write for prices and descriptions. S. B. Amcoats, Clay Center, Kan.

Salt Creek Valley Shorthorn Cattle

Pioneer Republic County Herd Established in 1878 For Sale: 20 bulls from 6 to 18 months old. Also special pure Scotch herd bull offer. 20 cows and heifers bred to pure Scotch bulls. All Scotch tops and some nearly pure Scotch. A choice lot of reg. Poland China boars and gilts for sale. Strictly the big kind. E. A. Cory & Sons, Talmo, Kan.

SPRINGDALE STOCK FARM SHORTHORNS

14 Scotch topped bulls from 6 to 12 months old. Reds and roans. All big, thrifty bulls by Crown Prince 412356. Also 10 cows and heifer calves.

POLAND CHINAS

Large type Poland Chinas and Spotted Poland Chinas. Ship either over Union Pacific or Santa Fe. A. A. TENNYSON, LAMAR, KAN. (Ottawa County.)

Shorthorn Bulls

16 bulls from 6 to 10 months old, got by two splendid Scotch bulls and out of Scotch topped cows of good scale. Not highly conditioned; sure to do well in your hands. Prices very reasonable. Address, V. A. PLYMOT, BARNARD, KAN. (Farm in Mitchell county)

SYCAMORE SPRINGS SHORTHORNS

Headed by one of the highest ranking sons of Avondale, as proven by pedigree and production. RICHEST OF BREEDING. Requiring Ancestry—Excellent Both in Performance and Individuality. PLAINEST OF CARE consistent with proper development of form, size and reproductive ability. Material for herd bulls and herd foundations for sale. A range of values to meet a variety of needs. Send for catalog and private sale lists, mentioning Farmers Mail and Breeze. H. M. HILL, LA FONTAINE, KANSAS



these is the sale of representative cattle being made by Robt. H. Hazlett, of El Dorado, Nov. 19. This, by the way, is the first public sale offering which has been spared from this herd in the 20 years of its existence. The second of the early morning sales is the regular American Royal event of the Hereford Breeders' association, the 19th annual of this association made in connection with the big show at Kansas City. This sale mentioned elsewhere in this issue, begins at 9:00 A. M., Nov. 22.—Advertisement.

Missouri Shorthorns, \$207.

About \$207 per head was averaged in the recent public sale of the Southwest Missouri Shorthorn Breeders' Ass'n. The sale was held at Aurora, Mo. Prices ranged from \$650 for lot 6, a four-year-old cow with heifer calf, down to \$80 for a young bull that was a little wild. The buyer of the top female was C. C. Driver, Keosauqua, Mo. All buyers live in southwest Missouri. Marion Tate, Monett, Mo., bought together, Nos. 15 and 16, two yearling heifers by Linwood Dale at \$275 each. Flint Hillhouse, of Aurora, Mo., bought a long yearling Orange Blossom heifer (No. 14) at \$400. G. F. Moore, of Marionville, Mo., bought three of the best values at \$200, \$210 and \$220. Among the heavier buyers were J. J. Sprangle, Verona, Mo., and F. G. Van Ausdel, Greenfield, Mo., and perhaps a dozen others took one or two animals each. While the sale required good work by the auctioneers, the prices on females were fair reward for a good well presented offering. Bulls did not sell so well.—Advertisement.

The Royal Shorthorn Sale.

The Shorthorn offering to be sold at the American Royal, Thursday, Nov. 21, is pronounced by far the highest class collection of Shorthorns ever offered in a Royal sale. They are contributed by leading breeders of Missouri, Kansas and Oklahoma, and represent the blood of the leading sires of the past two decades. With the exception of a few cows that have calves at foot, the offering is made up of young things and a lot of promising show material is included. While care has been taken to secure the best possible individual character in the offering, thorough equal care has been taken in the selection of the blood lines both as to sires and to families which the consignment represents. The sale offers a real opportunity to the breeder who is in quest of a high class herd bull or female, and to the man who is looking for foundation material. There are thirty-six males and fourteen females. Seven imported animals are included. The improved pasture conditions in the southwest due to the enormous acreage of fall wheat which has responded to the fall rains that have prevailed thruout all that section have created a very active call for Shorthorns and this particular sale holds an opportunity for the more exacting breeders not alone in the southwest but wherever the auspices of the American Shorthorn Breeders' association and catalogs are available upon request, addressed as per advertisement in this issue.—Advertisement.

Royal's 19th Annual.

In a public sale being held at Kansas City, November 22, by the American Hereford Breeders' association, the association adds to an already unequalled record. For 18 consecutive years this association has held an official sale in connection with the American Royal Livestock Show, the sale this time being the 19th, and there has never been a break in the series. The first sale, held in 1899, made an average of \$306 on 150 cattle. The next year a smaller offering averaged \$30 more, then following a period of somewhat lower prices until in 1912, practically the same average was secured as was made in the first sale of the series. Prices have gone steadily up since that time, but the main effort of the association has been, not so much for high prices, as to insure an absolutely representative and creditable offering. Each time a culling committee has passed upon the entries so that nothing was allowed to enter the ring excepting animals which would be a credit to any buyer who might secure them. This year 85 head are cataloged but it is the expectation of those in charge to select from this number 60 head representing the best standards of the breed. These cattle come, not from a limited section, but from the good herds of the South, Southwest and Central Western states. This offering is still time to secure catalogs of this offering and application for the same should be made at once by letter, addressing Secretary R. J. Kinzer, Finance Bldg., Kansas City, Mo., and mention Farmers Mail and Breeze.—Advertisement.

A Hereford Short Course.

If the writer was asked to name the shortest course or the best short course in real Hereford education which a student of this breed could take, he would say, "See and study the public sale offering which Mr. Hazlett, of Eldorado, Kan., sells at Kansas City, November 19, watch the cattle sell and notice who buys them." No more Hereford education can be crowded into one day, for here is an offering of which every animal not only was bred by Mr. Hazlett, but sired by a great bull bred by Mr. Hazlett, and in many cases several generations of the ancestors on both sides are of Mr. Hazlett's breeding. The demand for these cattle, and for the many others which Mr. Hazlett has sold to leading herds all over the country, depends not at all on any fame of their ancestry, altho the Hazlett herd turns out a new champion or two every year, and the pedigrees of its output frequently show champions top and bottom. Buyers come to this herd because of their absolute certainty that no inferior animal is allowed to hold a place in the breeding herd. The certainty of such a policy is worth more than anything else as an insurance of values. No strain is so pure but that it will sometime produce a counterfelt, but the policy of careful selection, close culling and judicious mating has so long and so consistently been followed in the Hazlett herd that it holds a unique position in the eyes of those who demand absolute merit in their purchases. A study of the catalog first, and then a study of the cattle, catalog in hand, will show that in no particular is the above an overstatement. Especially we ask that those interested in how a herd really may be "built up" refer to the page advertisement of Mr. Hazlett's sale on the inside back cover of the last issue; it goes somewhat into the history of the herd. Please send at once for catalog, mentioning this paper and addressing Robt H. Hazlett, Eldorado, Kan.

Good Enough for Farmers.

To be good enough for farmers is the real test for purebred livestock of any sort. The farm test is the practical and final one, and when it is stated that the Shorthorns to be sold in Kansas City, Nov. 23, by H. H. Holmes and A. L. Harris measure up to the

SHORTHORN CATTLE.

SHORTHORN CATTLE.

Park Place Shorthorns

Bulls in service, Imported Bapton Corporal, Imported British Emblem and Rosewood Dale by Avondale. To sell right now 50 head of high class Scotch topped cows and heifers, all heavy in calf or with calf at foot; also a few young bulls.

PARK E. SALTER, Fourth Nat'l Bank Bldg., Phone Market 2087 WICHITA, KANSAS

SHORTHORN CATTLE.

SUNFLOWER SHORTHORNS

Herd headed by Maxwellton Rosedale. Some extra good young bulls and a few females for sale. J. A. PRINGLE, Eskridge, Kansas, R. R. Station, Harveyville, 25 Mi. S. W. Topeka.

Scotch Topped Shorthorns

4 bull calves, red and roan, 7 and 8 mo. old, 1 roan bull 13 mo. old, extra fine, 3 heifer calves 6 and 7 mo. old, red, 3 yearling heifers, 2 red, 1 roan. Charles Hothan & Son, Scranton, Kansas

SHORTHORNS

Eight bulls for sale, from eight to eighteen months old. Also a few heifers. S. A. Hill, R. R. No. 2, Smith Center, Kansas

DAIRY SHORTHORN CATTLE.

PURE BRED DAIRY SHORTHORNS Double Marys (pure Bates), and Rose of Sharon families. Some fine young bulls. R. M. ANDERSON, Beloit, Kan.

HOLSTEIN CATTLE.

Young Registered Holstein Bulls with good A.R.O. backing. H. N. Holdeman, Weede, Kansas

CHOICE HIGHLY-BRED HOLSTEIN

Calves; 12 heifers and 3 bulls, 6 to 8 weeks old, nicely marked, from heavy producing dams, \$25 each. Safe delivery guaranteed. Fernwood Farms, Wauwatosa, Wis.

For Holstein Calves

Write W. C. KENYON & SONS, Box 61, Elgin, Illinois

BRAEBURN HOLSTEINS

Service bulls. Their heifers will outyield the dams 10-50%. Surplus females sold. H. B. COWLES, 608 Kan. Ave., Topeka, Kan.

I Have a Nice Line of High-Grade Holstein

cows to freshen soon; also a few heifer calves 4 to 6 months old. All this stuff is 15-16ths pure. Prices right. W. P. PERDUE, CARLTON, KAN.

OAK HILL FARM'S HOLSTEIN CATTLE

yearling bred heifers and bull calves, mostly out of A.R.O. cows. Perfect satisfaction guaranteed. BEN SCHNEIDER, Hortonville, Kan.

Registered Holsteins

If you want big producers, males and females all our own breeding, write us. Lilac Dairy Farm, Route 2, Topeka, Kansas.

Bonnie Brae Holsteins

Grand sons of King Segis Pontiac, from high producing dams, old enough for service. IRA ROMIG, STA. B, TOPEKA, KANSAS.

DO YOU LIKE INDIVIDUALITY

with breeding? Then write us about our Holstein bulls ready for service and younger. They are good ones. Prices to sell. G. H. ROSS & SONS, R. 1, Independence, Kan.

AAGGIE SINDT CORNUCOPIA

BUTTER BOY (No. 170175)

The above is my three-year-old herd bull which I am offering for sale because I am thru with him. He is a most excellent breeder and sold for no fault whatever. A son of Sindt Butter Boy Lad and a 17-lb 4 year old dam. His sire is by a 23-lb son of the famous century sire, De Kol 2d's Butter Boy 3d (36 granddaughters from 30 to 42.25 lbs.). His dam is by a grandson of the noted century sire, Aaggie Cornucopia Johanna Lad who is one of the two only sires to have 5 daughters with 7 day milk records above 700 lbs. She is a granddaughter of Sir Skylark De Kol Johanna who has a full sister who has twice made over 900 lbs. butter in a year. John F. Starnes, R. 9, Lawrence, Kan.

HOLSTEIN CATTLE.

HOLSTEIN CATTLE.

Sept. and Oct. Holstein Bargains

26 fresh cows and heifers that I want to close out at once. Your big opportunity if you want milk. Choice two-year-old high grade heifers bred to King Segis bulls. Springing cows, of good ages. Heifers bred to freshen this fall.

Registered bulls six months to two years. Some of King Segis and good enough to head any herd. 25 registered cows and heifers; some of them of A. R. O. breeding. A few high grade heifer calves at \$30 express paid. When looking for quality and milk production come to the Hope Holstein Farm, Mo. Pacific, Santa Fe and Rock Island.

HOPE HOLSTEIN FARM

Address, M. A. Anderson, Prop., Hope, Dickinson County, Kan.

PURE-BRED HOLSTEIN SALE

At Mulvane, The Holstein Center of Kansas Thursday, November 14

45 head of registered cows and young stock. 22 cows in milk, 12 heifers, 10 fine young males, some old enough for service. Semi-official records of the Arkansas Valley Cow Testing Ass'n. Terms, 6 mos. time without interest.

A. N. HOWARD, Breeder and Owner

HOLSTEIN CATTLE.

Thrifty Holstein-Friesian Calves,

For sale. Either sex. Practically purebred from registered bulls and high producing dams. \$25 each, f. o. b. Chanute. Safe delivery guaranteed. And six registered bulls from 2 to 10 months old. These are beauties. \$75 to \$100. Also, 30 registered Duroc Jersey pigs, either sex, 3 to 5 months old, \$30. MAGEE DAIRY FARM, CHANUTE, KAN.

VALLEY BREEZE FARM

Offers two bulls ready for service this winter. One by a 22-pound dam, who will be tested again this winter, and sired by Admiral Walker Butter Boy, whose first two daughters have tested 20 pounds as junior 2-year-olds. He is a son of that wonderful cow, Admiral Walker Pieterje, with 58 A. R. O. daughters testing from 20 to 32 pounds of butter in seven days. Another nice bull from a splendid dam and sired by King Ormsby Pearl, a 30-pound bull. A good bull will do you good. Prices right.

Orin R. Bales, Lawrence, Kansas

ALBECHAR HOLSTEINS

A few young bulls, of good breeding and individuality and of serviceable age, for sale. Write for prices to

Albechar Holstein Farm

Robinson & Shultz, Independence, Ks.

REGISTERED HOLSTEIN BULLS

old enough for service; from very high record cows; also some that are younger. Priced cheap considering their wonderful breeding and milk and butter records.

G. A. Higginbotham, Rossville, Kan.

SUNFLOWER HERD

Come to Lawrence for your next herd sire. King Johanna Rag Time Artis, born Dec. 16, 1917. Dam's record 28.18 pounds, sire's dam over 28 pounds and he is a grandson of a 38 pound cow.

Another, born Nov. 9, 1917. Sire: a 25 pound grandson of King of the Pontiacs. Dam: a 15 pound junior 2-year-old granddaughter of Colantha Johanna Lad.

Another, born Sept. 10, 1917. Sire a 31 pound son of Spring Farm King Pontiac. Dam, a granddaughter of King Segis and Colantha Johanna Lad. Also a few bull calves.

You can't beat them for individuality, size, markings, and the price is right. They won't last long, so get busy right now.

F. J. SEARLE, LAWRENCE, KANSAS

Five Cows Yielded 11.58 lbs.

Butterfat in 24 hours and 25.65 lbs. of solids, not fat. These were the Holstein-Friesians that won the Sweepstakes Prize of the Ohio Agricultural Society. The nearest competitor made 10.05 lbs. fat and 14.34 lbs. solids not fat.

The Holsteins always lead in production.

If interested in

HOLSTEIN CATTLE

Send for our booklets—they contain much valuable information.

Holstein-Friesian Association of America, Box 292, Brattleboro, Vt.



THE "ROYAL" Shorthorn Sale

Kansas City, Mo.
Thursday, Nov. 21

Stock Yards Sale Pavilion

WEEK OF THE AMERICAN ROYAL SHOW

A remarkable collection of Shorthorns picked from the best known herds of Missouri, Kansas, and Oklahoma.

50 head including 7 imported animals, 13 bulls, 37 females. A number of cows will have calves at foot and a number of real show character are listed among the young things.

The contributors have drawn from their best cattle to make up this offering. No previous Royal sale has been of this outstanding character.

Sons and daughters and grandsons and daughters of the greatest bulls of the breed are included in the offering—opportunity for the breeder seeking a herd bull or a high class female, or for the beginner to start right.

Make It a Week. Attend the AMERICAN ROYAL SHOW also.

It is the most important breed show of the year—west of the Mississippi. It is the first meeting place of the eastern and western show herds and the ribbon bearers from these great sections will compete for honors here.

The general inclination among livestock farmers to substitute purebred cattle for the grades renders this show of more importance. It gives the student and prospective buyer the chance to make a study and comparison of types.

The Shorthorn sale Thursday the 21st will be held under the auspices of this Association. Catalogs will be sent upon request. Address:

American Shorthorn Breeders' Association
13 Dexter Park Ave., Chicago, Ill.

Auctioneers: Carey M. Jones, Wm. (Scotty) Milne, P. M. Gross.

Shorthorn Bull Special

18 head of yearling heifers, reds and roans; also some splendid yearling and well grown last spring bulls, mostly sired by Orange Lovel and Marengo Pearl. Popular prices. Ship over Union Pacific, Rock Island, Mo. Pacific and Santa Fe.

C. W. Taylor, Abilene, Kan.
(Dickinson County)

PLEASANT VIEW STOCK FARM Quality Shorthorns

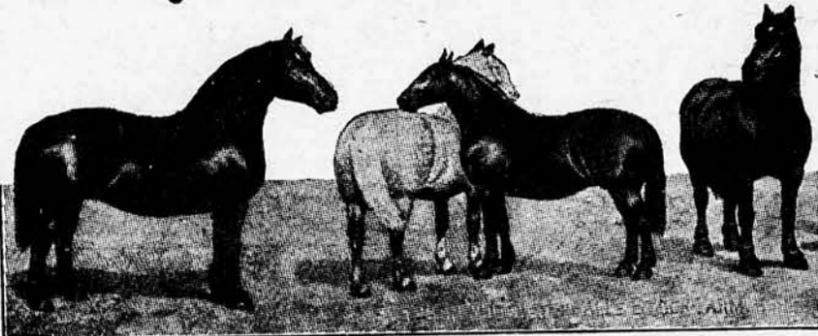
For sale: Four bulls, two straight Scotch and two Scotch topped. Also a few cows. Bulls ready for service. Also breed reg. Duroc Jerseys. Address,

M. R. Peterson, Prop., Troy, Kan.

WHEN WRITING TO ADVERTISERS BE SURE TO MENTION MAIL AND BREEZE

Important Percheron Dispersion

At Pine Ridge Farm, Wymore, Neb.,
Friday, November 22, 1918



As I am making a change in my affairs I am offering Five Stallions, including the champion, LARCIN, and Twenty Mares, including daughters and grand daughters of the famous JALAP, HONORABLE HELIX, CALYPSO, and ALCA, by BESIQUÉ. All of the mares of breeding age are bred and we believe safe in foal to the champion stallions, LAGOS, LARCIN, and PRINCE HELIX, by the great HELIX. This is pronounced one of the greatest collections of Percheron mares that has ever been assembled on any breeding farm. They are of extra weights, clean, sound, well finished brood mares—just the kind that every breeder hopes to possess. There are two aged imported mares, two 1918 fillies, and the remainder are 2, 3, 4, and 5-year-olds, including one imported mare. It is doubtful if any offering has ever included so much of the cream of Percheron breeding. The stallions are 1, 2, and 3-year-olds and include herd horses of extra quality and promise. Write today for catalog. Address

L. Bridenthal, Wymore, Neb.

Auctioneer: Carey M. Jones, assisted by F. E. Kinney and H. R. Ruyle. Fieldman: Jesse R. Johnson.

Sale opens at 1 P. M. or upon arrival of Burlington train from Lincoln. Wymore is on the Union Pacific and Burlington railroads. Will meet all trains.

Tuesday, November 12

Is the New Date Set For Our

Dispersion Sale of Jersey Cattle

which on account of the influenza quarantine, was postponed from Oct. 14. Sale Will Be Held at the Farm one mile south of Country Club Grounds on Topeka Avenue road, Topeka, Kansas.

I am compelled to dispose of this herd, about 40 registered and 40 high grades. These cows have been kept for results at the pail in a retail dairy that has stood at the top with the city milk inspection and are clean and healthy, tuberculin tests being made twice a year.

In the beginning I secured Golden Shy Fox, 93202, whose dam was imported in dam and sold in Cooper's sale for \$1,750. He has daughters that have milked up to 46 pounds a day with first calf, on grass only. For the past year, Brookside Babe Torono, 141108, a bull of Hood Farm breeding, has been at the head of the herd. This bull has more butter in his pedigree than any other bull in Kansas. For catalog address.

W. H. Maxwell, R. 2, Topeka, Kan.

Col. D. M. Perry, auctioneer. B. C. Settles, Sales Mgr.

"All Star" Boar Sale Postponed

On account of the quarantine against Influenza in Clay county, the All Star Duroc Jersey Boar Sale has been postponed from October 21, to

Wednesday, Nov. 13, Clay Center, Ks.

On that date the 55 head of top boars consigned by 28 leading Kansas Duroc Jersey breeders will be sold. In soliciting the consignment for this sale, each breeder agreed to consign the two best spring boars raised by him in 1918. This sale will positively be held at the fair grounds in Clay Center, on November 13. Preserve the catalog if you have already received one. If you have not, write for it today. This is the greatest opportunity to buy boars with outstanding individuality and blood lines ever offered.

W. W. Jones, Sale Mgr., Clay Center, Kansas

Auctioneers: Jas. T. McCulloch, Will Myers, Hugh Huls. Send bids to J. W. Johnson, care of W. W. Jones, Sale Mgr.

The Best in Herefordom

Is what we bring to the patrons of
The American Royal Hereford Sale
November 22

(Sale Beginning at 9 A. M.)

There is not only unusual quality and unusual values in this offering, but they are the very best cattle for sale that the breed affords. This is without question the greatest offering ever made in an association sale, and we solicit the patronage of buyers who want the very best and only the very best. We will offer more high class females, including many successful show animals, than ever before sold in one sale. There will be more extra choice herd and show bulls than ever before sold in one auction.

Sixty head will be sold, to be selected on sale day from the ninety head catalogued. All consignments have been entered with this understanding, thus assuring prospective buyers of the greatest and best Hereford public sale offering ever made. It is exceptionally high class throughout, and is truly representative of the year's progress and development in modern Herefords.

Notice the Breeders and the Territory Included in This Offering

- J. C. ADAMS, Moweaqua, Ill.
- ANDERSON FARMS, Marietta, Ga.
- J. C. ANDRAS, JR., Manchester, Ill.
- C. B. BARBER, Hereford, Tex.
- W. E. BENNETT, Amarillo, Tex.
- W. N. W. BLAYNEY, Denver, Colo.
- W. J. BROWN, Fall River, Kan.
- R. V. COLBERT & SON, Stamford, Tex.
- W. N. COLLIER, Fulton, Mo.
- A. B. COOK, Townsend, Mont.
- J. CROUCH & SON, Lafayette, Ind.
- P. S. CUMMINGS & SONS, Lela, Ga.
- ENOCHS FARMS, Fernwood, Miss.
- ENOCHS & WORTMAN, Jackson, Miss.
- STOCKTON FOUNTAIN, Centralia, Mo.
- WALLACE & E. G. GOOD, Grandview, Mo.
- HENRY M. HALFF, Midland, Tex.
- JAS. V. HILL, Roundhead, O.
- W. R. HUKILL, Graham, Mo.
- JAS. MCGOWAN, Centralia, Mo.
- R. M. McNEEL, Marietta, Ga.
- W. B. MITCHELL, Marietta, Ga.
- E. P. PENDLETON, Princeton, Kan.
- MRS. H. M. PECHES & SONS, Odessa, Tex.
- N. D. PIER, Weatherford, Okla.
- E. W. RINGEN, Summerfield, Kan.
- J. C. ROBINSON & SON, Evansville, Wis.
- W. H. ROE, Shelbyville, Ky.
- SHINGLER BROS., Auburn, Ga.
- J. E. SUMMERS & SONS, Gilliam, Mo.
- MARY J. SWITZER, Kansas City, Mo.
- W. L. YOST, Kansas City, Mo.

Catalog sent only on request. Address
American Hereford Breeders' Association
R. J. Kinzer, Secy., Kansas City, Mo.

Valley View Stock Farm

SHORTHORNS
10 bulls 10 months old. Reds and roans by Diamond Searchlight 208837 by old Searchlight. Some choice cows and heifers bred to Victoria's Baron by Secret Baron.

POLAND CHINAS
10 cracking good March boars sired by Timm 3d by Big Timm. Out of mature sows.
R. B. DONHAM, TALMO, KANSAS
Republic county.

Woodland Ranch

Breeders of
Shorthorns—Polled Durhams
15 bulls for sale. 7 of serviceable ages now. Write for full particulars.
ELLIOTT & LOWER,
Courtland, Kan. (Republic County.)

WHEN WRITING TO ADVERTISERS BE SURE TO MENTION MAIL AND BREEZE

Combination Sale Duroc-Jerseys

D. J. Ryan
Centralia, Kan.

R. E. Mather
Centralia, Kan.

45—HEAD—45

30 Spring Boars. 14 Spring Gilts.
1 Yearling Herd Boar.

These are the actual tops of our herds and all are immunized. Sale in comfortable quarters in town.

Centralia, Kan., Thursday, Nov. 21

Mr. Ryan's offering was sired largely by his herd boar **Critic's Orion** by Buck's Orion and out of a dam by A Critic. This splendid herd boar included in this sale. They have been well grown.

Mr. Mather's offering is largely by **Putman Pathfinder** by old Pathfinder and out of Reed's Lady. They too, have been carefully grown.

This sale, which is the top boars from Mr. Mather's herd and the top gilts and a few boars from Mr. Ryan's herd affords a great opportunity to buy the best. The catalog is ready to mail. Get it at once and come to this sale. Address, either

D. J. Ryan, Centralia, Kan., or
R. E. Mather, Centralia, Kan.

Auctioneers: Jas. T. McCulloch, Pete Lally, Perry Glancy,
J. W. Johnson, Fieldman.

Square Deal Stock Farm Duroc-Jersey Sale

Because of better railroad and hotel accommodations I am holding my boar and gilt sale in Hiawatha.

33 spring boars, two fall pigs and a yearling boar. This boar sale combines size, quality, and while not highly conditioned, is an offering of unusual merit.

Sale in comfortable sale pavilion

Hiawatha, Kansas

Friday, November 22

15 spring boars, big growthy fellows with good backs, good feet and good colors, sired by **High View Chief's Col. Again**, who is a great sire and a son of High View Chief's Col. Two will be by **High View Chief Col.**, by World's Fair Col., and out of a **Fancy Pal** dam. The balance of the boars are by **Crit**, by Chief Critizer, a boar of outstanding value.

Everything immunized and in a thrifty condition. A boar offering that is right in every particular. Come and be my guest on the 22nd. My sale follows the Mather and Ryan combination sale at Centralia on the 21st. Attend both sales. Send bids to J. W. Johnson in my care at Hiawatha. Catalogs ready to mail. Ask for one at once. Address

J. A. Bockenstette, Fairview, Kan.

Auctioneers: Jas. T. McCulloch, Chas. Scott, Roy Kisner,
J. W. Johnson, Fieldman.

THE CAPPER PIG CLUB

**Third Annual Offering of High
Grade Breeding Stock**

**More Than One Thousand
PURE-BRED PIGS**

**Selected from the Contest Litters
At Private Sale**

Poland China Spotted Poland China Duroc-Jersey
Chester White Hampshire Berkshire

The Best Blood of These Great Breeds in This Offering. Priced Right and Satisfaction Guaranteed. You are Requested to Buy From the Member Nearest You.

ATTRACTIVE ILLUSTRATED CATALOG FREE

It Contains Names and Addresses of All Members Who Have Pigs to Sell and the Offering of Each. Write to the secretary of the breed you wish to buy.

Poland China.....Karl Franke, Herndon, Kan.
Spotted Poland China..Harold Ireland, Bronson, Kan.
Duroc-Jersey.....Verne Jones, Clay Center, Kan.
Chester White.....Lloyd Garrison, Glade, Kan.
Hampshire.....Theodore Graham, Peabody, Kan.
Berkshire.....Roy Nance, Niotaze, Kan.

Catalog also can be obtained on application to

John F. Case, Contest Mgr.
Capper Building Topeka, Kan.

The New Dates Are November 16 and 18

In response to the call of the Governor and the State Board of Health, the management of the two big Hereford sales set for Council Grove and Parkerville on October 21 and 22 called these sales off in order to assist in checking the epidemic of influenza. To do this every consignor has made a financial sacrifice—but the public good has been served. We therefore ask the co-operation of everyone interested in good Herefords for the success of our sales on the new dates.



**The Kansas Hereford Breeders' Association Sells 100
Herefords at Council Grove, Kansas, November 16**

The catalog of this offering stands just as issued. Do not fail to come. The annual meeting of the association and the banquet will be held on the evening of the sale, Saturday, November 16.

(Auctioneers, Miller and Garten.)

F. H. Manning, Secretary.

Miller & Manning
Sell On Sylvan Park Farm November 18

(The Day Before Hazlett's Sale at the American
Royal Livestock Show)

At Parkerville, Kan.,

Only a short distance from Council Grove

100 Anxiety-Fairfax Herefords

Their catalog, likewise, stands as issued for the earlier sale. Visitors enroute to the American Royal or staying over from the Association Sale on Saturday, are more than welcome.

Miller & Manning, Parkerville, Kansas

Auctioneers: Fred Reppert and Others.

**REMEMBER THAT 200 REPRESENTATIVE HEREFORDS WILL SELL
IN THE ABOVE TWO SALES.**

Scotch and Scotch-Topped Shorthorn Sale

Sixty Head—Half of Offering Pure Scotch—The Tops from Two Herds

Minden, Neb., December 5

6 BULLS, ranging in age from 12 to 18 months.
55 FEMALES, 15 cows with calves at foot and many rebred.
The remainder will be extra choice heifers bred and open.

The attraction will include 5 Pure Scotch Heifers, the equal of anything that will sell this season. Daughters of Dales Challenger, Rubertas Goods, Scottish Rex and Nonpareil Victor. Many Scotch cows of great merit and breeding value go in the sale. And some real herd bulls are being catalogued. Write for catalog and mention this paper.

Rogers & Boicourt, Minden, Nebraska
Jorgensen & Rogers, Minden, Nebraska

Auctioneer, Col. H. S. Duncan.
Fieldmen, Jesse R. Johnson, William Lauer.



Announcing P. W. Good's Postponed Hereford Sale Date

Because of the requirement of the state board of health concerning gatherings of all kinds we postponed our sale at the last moment until

Friday, Nov. 15, Sale Pavilion, Council Grove, Kan.

72 COWS AND HEIFERS, ALL OLD ENOUGH ARE WELL ALONG IN CALF.

8 YOUNG BULLS ARE OF A GOOD USEFUL SORT AND WILL BE FOUND IN GOOD BREEDING FORM.

Quantity and quality are combined in this offering of 80 head of selected Herefords, where buyers may expect a royally-bred lot of cattle of good ages in every-day, practical breeding condition. 12 calves will go free with their dams, and all others are safe in calf to outstanding bulls of recognized worth. This is the best lot I ever sold. LORD WILTON 503444 heads the herd—a strong Anxiety bull and a fine individual. This is an offering of real worth for which we do not expect fancy prices. There is a rich variety of bloodlines, as the catalogue will show.

A lot of range bulls from 12 to 18 months old will afford farmers and ranch men an opportunity to secure any number they want. If you have the catalog preserve it and bring it to the sale. If not write for it today. We have a limited number and will mail you one promptly.

Aucts.: Miller, Gartin, Lowe and Carson.
Fieldman: J. W. Johnson.

P. W. GOOD, WILSEY, KAN.

An Important Shorthorn Dispersion Sale

Having recently sold my farm my son and I will disperse our entire herd of registered Shorthorn cattle. The sale will be held at the farm three miles north of town

Sabetha, Kansas, Thursday, November 14

17 cows in their prime of usefulness and bred to Walnut Duke, a Bellows bred bull, a beautiful roan 4 years old, weighing over a ton and included in the sale.

Walnut Duke-378216, the present herd bull, is a beautiful roan four years old and weighing over a ton. He was bred by Bellows Bros. and carries the blood lines of famous sires and dams. He is kind and gentle and will be sold in this sale with a positive guarantee.



The kind that will make money on any farm

Six yearling bulls, reds and roans. Three bull calves, two bred heifers, one heifer calf.

Sir Knight, by Bampton Knight, was a splendid sire used extensively in this herd.

Rock Springs Pride, by old Colina, a bull very popular in Northern Kansas for a number of years, was also used extensively. He was a large bull weighing over 2400.

Auctioneers: Kistner, Crandall and Clark.
J. W. Johnson, Fieldman.

J. O. Kimmel & Sons, Sabetha, Kan.

Note: On the same date we will sell all of our farm machinery, horses and mules and grain and some hay.

Start With This Kind

of Shorthorns; grow out your young stuff on their mothers milk and the abundance of good plain feed which the farms of this section produce, and you not only will have laid your foundation right but your increase will be abundant and profitable to you and to the customers inevitably attracted by purebred farm animals which make good. This kind we sell—

At Auction, Kansas City, Nov. 23

our sale coming on Saturday of the American Royal Livestock Show week. Some of our offering will be shown, and others from our herds have been selected for the Shorthorn Breeders' association sale on Thursday of the same week. We especially ask inspection from parties wanting cattle which absolutely will make good under good practical farm conditions and care, just such as these cattle are used to. The photographs with which our catalog is illustrated, show the cattle just as they were (mostly just off prairie pasture) the latter part of October. Note the accompanying—

PICTURES OF TYPICAL ANIMALS IN THIS SALE

No. 1 is Rosedale Lady 3d and Cherry Rose 5th. Look them up in the catalog. Notice the line of desirable bulls back of them and the prominent men who bred the bulls. There is your explanation of why these heifers (an average of the offering, perhaps) so fully come up to your ideas of what Shorthorn foundation females should be.

No. 2 is Rose 2d. Have you ever seen a deeper bodied, straighter backed cow. Note the Shorthorn character of head and horn. Here is a producer. Her sire is one of the best breeding sons of the famous Imp. Collynie, for a year's service of which Col. Casey paid \$1,000. One of the results of this service was the show heifer, Runaway Girl (just such a looking cow as Rose 2d), dam of the first great Choice Goods bull used in the Bellows herd. Rose 2d is out of a cow by Jubilee Knight, bred at the Kansas Agricultural Col-

lege and got by Imp. Craven Knight, bred by Amos Cruickshank. Her third dam is by Goldfinch, a remarkably well bred bull from the herd of Senator Harris.

No. 3 is Golden Rose 6th, a five-year-old by the N. H. Gentry bred sire, Wooddale Chieftain, of whose get this cow is typical. Back of him comes the succession of sires from the best sources, so often noted in the catalog, leading to the great old bull that gave this family its name, Goldfinch, by Imp. Spartan Hero.

No. 4 is Miss Emma 3d, one of the biggest cows in this or any other sale. She is by the Tomson Bros' bred bull, Director. Her dam, Miss Emma 2d, is by the International champion, Master of The Grove, and her second dam is by the B. O. Cown bred bull, Commander.

A CHAPTER ON BULLS

Females like these go into this sale heavy in calf or with calves at foot, by a Prince Valentine 4th, as good a breeding bull as any Kansas herd can show. The writer recently saw in the same herd, under the same care and from no better cows, heifers by this bull side by side with others got by a champion that has sold in five figures, and the get of Prince Valentine 4th were the best fleshers, and the equal of the others in form.

Two young herd bulls, which are illustrated in the catalog, we especially mention. They are attractive animals (both prize winners) and both have license to breed even better than they look.

Viscount Stamp 2d 499517 has in the immediate top of his pedigree a combination of famous Shorthorn bulls and cows

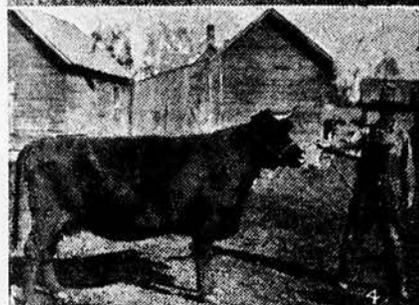
which cannot be beat. It includes the champion and first prize bulls, Choice Goods, Lavender Viscount and Choice of All, and the greatest two old cows in the Tebo Lawn herd, Imp. Clara 58th and Rosedale Violet 9th. On his dam's side in one generation he traces to the imported Scotch cow, Emerald 4th. This bull is just past three.

Red Emperor 572753 has attracted attention in the show rings for two seasons by his meatiness and fine quality of skin and hair for a red bull. He is unusual for length, depth in flank and meatiness of hind quarters. His sire is Prince Valentine 4th, already mentioned. His dam is by a son of the show bull, White Goods; his second dam by Modern Marshall (by Godoy), and his third dam is the imported cow, Empress of Overthwaite 3d.

The more this offering is studied the stronger the impression grows that this is the kind which keeps the breed to the front—deep bodied, broad, straight backed, good milkers, heavy fleshers and regular producers. We want every farmer and breeder who seeks improvement of his herd to see our main sale offering, to be sold November 23. Write us for our catalog and mention the Mail and Breeze.

H. H. HOLMES
Rt. 28, Topeka, Kan.

A. L. & D. HARRIS
Osage City, Kan.



H. H. Churchill's SHORTHORN SALE

Because of the scarcity of feed in my locality I am compelled to sell a number of my Shorthorns and in order to make a sale worth while I am putting in this sale animals I would like to keep. The sale will be held at my farm, six miles from town

Osage City, Kansas,

Tuesday, November 19, 1918

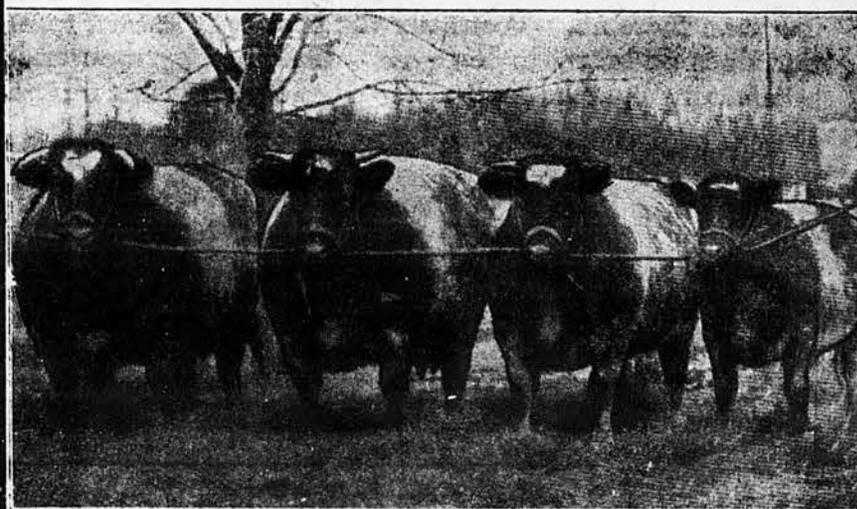
35 head are cataloged and include 18 cows, all bred except two that have young calves at foot. There will be three yearling heifers, four bull calves about six months old, nine heifer calves same age. The three yearling heifers and the calves are by Marquis Cumberland 388134, a grandson of Cumberland's Last. The cows are all in calf to my herd bull, Princeps 613907, a splendid yearling. The cows are all young and useful and represent in breeding the Rose of Sharons, Young Marys, Arabellas and other families of note. Catalogs ready to mail upon application to

H. H. Churchill, Osage City, Kan.

Auctioneers: C. M. Crews, Runyon Bros.
J. W. Johnson, Fieldman.

Combination Shorthorn Sale—63 Head

At Osceola, Neb., November 22
At One O'clock



10 Calves at Foot. 38 Young Cows and Heifers.
15 One to Two Year Old Bulls.

2 heifers and 2 bulls are clean polled animals. Bulls to which most of the female stuff in this sale are bred to: Sultan's Hero 495139, sired by True Sultan 370635; Straight Dale Jr. 653868, a pure Scotch bull sired by Straight Dale 367157; Golden Rex 352518, sired by Royal Rex 300460. All this stock is tuberculin tested and guaranteed.

Breeders banquet, 6:00 o'clock P. M. Conducted under the auspices of the Polk County Pure Bred Livestock Breeders' association, Osceola, Nebraska. Sale at Horse and Mule Exchange. For catalog write, mentioning this paper, to

H. G. Herrmann, Sale Mgr., Osceola, Neb.
A. W. Thompson, Auctioneer. William Lauer, Fieldman.

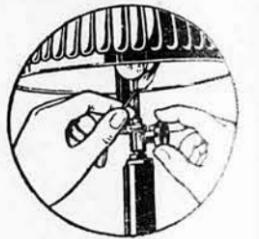


"Such a wonderful light for sewing and knitting"

The Coleman Quick-Lite is a greater advance over old style oil lamps than oil lamps were over candles. Not only is it a beautiful lamp in design and finish, but it gives a light infinitely better than any other lamp you ever used; brighter than the brightest electricity, more light than 20 oil lamps, and cheaper to use than them all. Positively the best light known for sewing or reading, a soft, cheerful light, without flicker, and that does no injury to the eyes. Endorsed by thousands of users as the most brilliant, most economical and most satisfactory light in the world. Rapidly replacing all other lamps in the American home.

The Coleman Quick-Lite

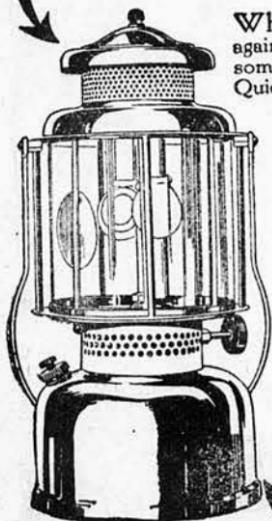
Lights With Common Matches



Whatever objection you may have held against the old style gasoline lamp with its bothersome torch is now overcome in the Coleman Quick-Lite. You simply use an ordinary match to

light. Makes and burns its own gas from common gasoline. No smoke or odor, no soot, grease or dirt. No wicks to trim. No daily or weekly cleaning necessary, no muss or trouble.

Costs less than one-third of a cent an hour to use. An absolutely safe lamp. Can't explode. Fuel can't spill if tipped over. One filling lasts a week. When empty, simply goes out.



The Quick-Lite Lantern

Operates on the same principle as the Quick-Lite Lamp. Lights with a match, just like the Coleman Lamp. No alcohol torch needed. 300 candle power of most brilliant, white light—a regular day-light maker. Equal to 20 oil lanterns. Storm-proof, bug-proof; burns perfectly in any wind, at any temperature or any weather, and in any position, even upside down. Will keep right on shining in places where impossible to keep an oil lantern lighted. Most convenient lantern for farm and out-door use. Perfectly safe in the hay-loft or granary. Absolutely no danger of fire or explosion even if accidentally overturned.

The Coleman Quick-Lite made of nicked brass highly polished. Each lamp carries a Universal Shade Holder—fitting any shade you prefer. You can choose from a large variety of fancy shades if something better than the white ribbed shade (illustrated) is wanted.

Guaranteed Five Years Every Coleman Quick-Lite Lamp and Lantern is Guaranteed for Five Years. It will last a lifetime. Money back if not fully satisfied after trial.

Good dealers sell Coleman Quick-Lite Lamps and Lanterns. If yours can't supply write nearest office, asking for Catalog No. 12 and information.

The COLEMAN LAMP CO.
Originators of Gasoline Lamps and Lanterns
WICHITA • ST. PAUL • TOLEDO • DALLAS • CHICAGO

Awarded highest honors at Panama-Pacific Expositions—San Francisco and San Diego