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Crops for Early Fall Pasture

By L. E. Call
Specialist in Agronomy

THERE ARE two crops of value for late summer or early fall pasture. They are Sweet clover and Sudan grass. Both of these crops are comparatively new and somewhat unappreciated. The acreage of both could be multiplied many times for pasture purposes to the great advantage of the livestock interests of the state. The native pastures are usually short after midsummer. It is at this season of the year that these crops usually reach their maximum production for pasture purposes. Sweet clover is adapted primarily to the East-central and Eastern sections of Kansas, where it has a higher carrying capacity for cattle than any other crop suitable for pasture purposes. Sudan grass is the Sweet clover and alfalfa of Western Kansas and is well adapted to that part of the state. It is equally valuable for cattle and hog pasture. Sweet clover may be sown either in the spring or fall. When the crop is needed for late summer or very early fall pasture, it should be sown in the spring. With favorable weather conditions, it will make sufficient growth to provide pasture by the first half of July. To seed Sweet clover successfully, a thoroly compacted seedbed is necessary. There should be just enough loose soil on top to enable the seed to be covered. The lack of a solid seedbed is probably the chief reason why Sweet clover so often fails when seeded upon cultivated fields.

However, Sweet clover responds readily to good preparation of the soil, and it will pay to prepare the soil thoroly. Where land is plowed the work should be done several months in advance of seeding time, so that the soil will have ample opportunity to settle. Satisfactory results usually can be obtained by seeding Sweet clover on clean corn ground or after some other intertilled crop by using implements to prepare the seedbed that merely stir the surface soil.

It may be seeded any time from January to the last of May, with good chances of success. Early seeding is preferable in Eastern Kansas. In the Eastern third of the state it often may be seeded successfully with a nurse crop of oats or barley, provided the seedbed is not too loose and open and a rather thin stand of grain is grown. In favorable seasons good stands of Sweet clover may be obtained by seeding with fall wheat, the Sweet clover being sown in the late winter or early spring in the same manner that Red clover is usually seeded.

The amount of seed to use varies with the quality of the seed and the per cent of "hard seed." Sweet clover may contain from 10 to 90 per cent of "hard seed" which, because of the excessively hard seed coat, does not germinate the first season, altho it is good in vitality and will grow the second year. The amount of seed sown to the acre should vary according to the per cent that will grow the first season. If 80

per cent or more of the Sweet clover will germinate readily, from 10 to 15 pounds of seed should be sown an acre. If unhulled seed is used, the amount should be increased about 5 pounds an acre.

In Central and Western Kansas where conditions are unfavorable for Sweet clover, Sudan grass is the most satisfactory pasture crop to supplement native grass. Altho it is primarily a hay crop, it has given good results when used for pasture, both in experimental tests and where used for pasture by individual farmers thruout the state.

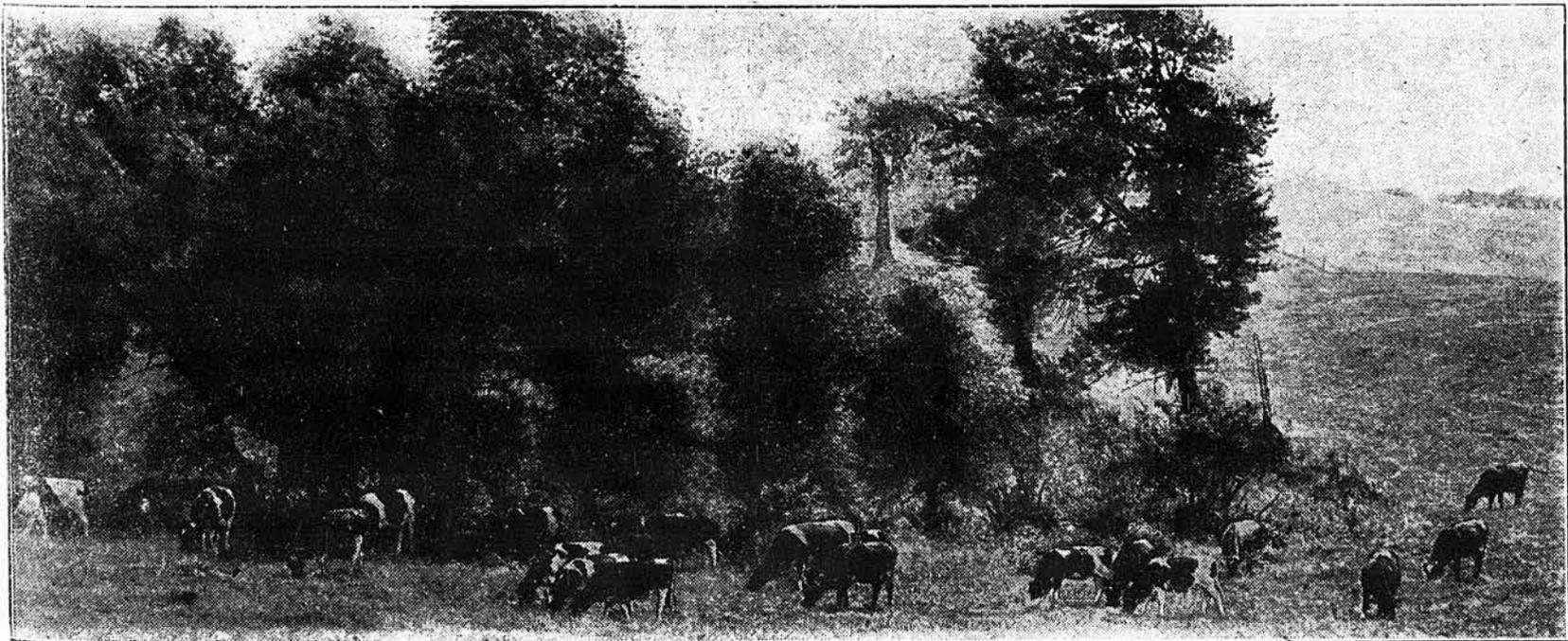
The seedbed for Sudan grass should be well prepared. Maximum yields only can be obtained when the ground has been prepared early by good, fairly deep plowing; when the field is free of weeds; and when the soil contains plenty of available plant food and moisture.

Planting should be delayed in the spring until the ground is thoroly warm, but the preparation of the seedbed should be started early. In general, the time for planting is a little later than that for other sorghums. It is seldom advisable to plant before the latter part of May. If the crop is planted too early the seed germinates poorly and the plants never make a satisfactory growth. When Sudan grass is sown for pasture, it should be sown with a grain drill at the rate of 20 to 25 pounds an acre in Eastern Kansas. In the Western part of the state, 15 to 20 pounds will be better than heavier seeding. When a smaller amount of seed is used, weeds are likely to give trouble. A grain drill set to sow 2 pecks of wheat to the acre will ordinarily sow about 30 pounds or 3 pecks of Sudan grass seed.

Sudan grass seeded the first of June will usually make sufficient growth to provide pasture by the latter part of the month. With favorable growing conditions, the crop can be pastured continuously until frost. If the crop grows more rapidly than it can be eaten down by the livestock on the farm, it will improve the pasture to mow the crop for hay.

At the Dodge City Experiment station, Sudan grass pasture produced in 1914 an equivalent of 126 days pasture an acre for one mature animal and milk records of the dairy herd show that the milk flow of the cows increased an average of 3.2 pounds daily a head each time they were turned from native grass upon the Sudan grass pasture.

In pasturing Sudan grass it should be remembered that this grass belongs to the sorghum family. On certain occasions a form of Prussic acid has been found present in most of the sorghums, and this acid is one of the most dangerous poisons known to live stock. This poison is most likely to be present in an immature crop after a period of drouth or after the growth of the plant has been arrested in some manner. As long as the crop grows without being stunted, there is very little danger in pasturing on it cattle, horses or other livestock.



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Minimum Prices For Wheat

Regulations Planned to Guarantee Better Rates

BY SANDERS SOSLAND

WHEAT GROWERS are profiting generously from the revised Food Administration regulations under which flour milling and wheat marketing operations now are being conducted. The new regulations which became effective with the opening of the new winter wheat crop year, involve a change from the fixed price for the grain in the past year to a guaranteed minimum for wheat and a maximum level for the products of the millers. There is no maximum on the price which may be paid for wheat, but the limit on flour naturally acts as a permanent restraining influence.

Already wheat sellers have obtained large premiums for wheat in Kansas City and at other markets over the guaranteed minimum of the government.

New Regulations

New regulations of the Food Administration provide for the maintenance of a minimum price for the producer. In Kansas City, the terminal market where the bulk of Kansas, Missouri, Oklahoma and Nebraska grain is shipped, the guaranteed minimum of the Food Administration Grain Corporation is \$2.18 a bushel for No. 1 hard winter or red winter wheat. For wheat grading No. 2 the minimum price is \$2.15 a bushel, or 3 cents below the price paid for No. 1. The minimum price on No. 3 wheat is 7 cents below that of No. 1, while No. 4 and sample grades of wheat sell on their merit, no minimum price having been set on these grades. In Omaha the guaranteed minimum price for No. 1 also is \$2.18, with lower grades selling on a basis similar to that prevailing in Kansas City. Chicago's guaranteed minimum price is \$2.28 for No. 1, in Minneapolis, \$2.21 1/2; New York, \$2.39 1/2; and New Orleans and Galveston, \$2.28 is the minimum for No. 1. These guaranteed minimum prices were derived after an analysis of the advanced freight rate structure, which was put into effect June 25. These minimums are for the No. 1 grades of Northern spring, hard winter, red winter, durum and hard white.

Besides the new marketing and price regulations, wheat growers are enjoying additional advantages from modifications in the standards for wheat promulgated by the United States Department of Agriculture. These new standards became effective July 15, and have made possible higher average grading of wheat.

While millers may pay any price they desire for wheat, the products of the mills, flour, bran, shorts and mixed feed, cannot sell above a maximum price level, which in Kansas City is approximately as follows: 100 per cent flour, the only grade now produced, \$10.61 to \$10.63 a barrel in sacks; bran, \$1.23 to 1.26 a 100 pounds in sacks; mixed feed, \$1.30 to 1.33 a 100 pounds; shorts, \$1.33 to 1.36. The maximum prices were made by the Food Administration on the basis of the guaranteed minimum price for wheat, and only a small margin of profit is left the miller after deducting the price of wheat and expenses incident to grinding and distributing the flour and feed.

Past Restrictions Removed

It can be seen that new Food Administration regulations are intended to stabilize and will stabilize the price for not only flour and feed, but for wheat. But millers in many instances can pay and have paid more than the guaranteed minimum price for the bread grain. The urgent demand for flour, and the desire among millers to be the first to offer the important food to the trade so as to establish connections with customers, recently caused almost frantic buying of wheat at both primary markets and at interior points. Dark hard winter wheat sold in Kansas City at premiums over the guaranteed minimum price ranging from 12 cents to 18 cents a bushel a short time after new wheat began to move. The premiums have since declined, due to the extremely heavy movement of the bread grain to market. Red wheat also sold at a premium, ranging as high as 12 cents

a bushel, but has since declined to the government fixed price basis. The premiums on hard winter wheat ranged from 3 cents to 5 cents a bushel above the minimum in the last fortnight.

Unlike the regulations of the United States Food Administration in the crop year of 1917-1918, millers now may go to any territory in the United States to make wheat purchases. In the past year, the manufacturers of flour were limited in making purchases of the bread grain to the territory in which their mill was located. Among the present buyers of wheat on the Kansas City market are the Northwestern and Eastern millers, who mix the strong hard winter wheat produced in the Southwestern fields with their weaker variety of wheat grown in their own districts. Northwestern and Eastern millers say such transactions are profitable despite the fact that they must pay large premiums above the minimum price and exceedingly high freight rates. With a continuation of buying by Northwestern and Eastern millers, Southwestern flour manufacturers will be forced into keen competition for offerings of hard wheat, thus causing an advance in the price paid for wheat. Little red wheat moves to outside territory, so the likelihood of premiums prevailing on that variety is slight.

Should keen competition continue in the demand for flour, with millers encountering little difficulty in obtaining the maximum prices, and should the movement of wheat to market decrease, which is probable because of an approaching serious shortage of freight car equipment, premiums on both hard and red wheat may continue. Also, deterioration in the crop of the spring wheat states of the Northwest might help continuing premiums.

Reasons for Premiums

It should be borne in mind that thus far new wheat from the winter wheat belt has been of very good quality, and that this has helped to bring premiums over the guaranteed level. The Food Administration, for example, requires that every miller make a barrel of flour from 4.4 bushels of 58-pounds-a-bushel wheat. But less than the 4.4 bushels are required in instances where the grain was of exceptional quality, some of which has tested 63 pounds a bushel. This naturally assists in creating premiums. Also, premiums may be paid for exceptional wheat and offset by the miller in the purchase of low grade grain with which it is mixed and converted into flour.

If no demand prevails for wheat, farmers may sell their grain to the Food Administration Grain Corporation at any of the designated terminal buying points, such as Kansas City, Omaha and St. Louis. The government has announced that it will pay the guaranteed minimum price for wheat, except where wild onions and smut are present in the grain. Sales of wheat with onions and smut have been made to the government buyers at as low as \$2.15 for No. 1 red, three cents a bushel below the minimum price. The Grain Corporation, a branch of the Food Administration, with a capital of 50 million dollars, must take all wheat offered its buyers. Its outlets are mainly the wheat hungry allies of America on European battlefields.

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Field Selection of Seed is Profitable

Careful Methods Will Bring Good Crop Yields and Will Enable Farmers to Increase the Nation's Food Supply

BY JOHN W. WILKINSON
Associate Editor

FIELD SELECTION of seed for grain crops may be troublesome and expensive, but the experience of many farmers and seed growers shows that it always proves profitable. The man who selects his seed from an open bin without knowing anything in regard to the plants from which it was produced is taking long chances on getting a good stand of grain. Many of the poor yields of which some farmers complain can be attributed to a lack of attention to this point. This is especially true of corn. There is as much difference between scrub corn and purebred corn, as there is between Arkansas razor back hogs and purebred swine. If the corn grower does not know what is the best variety for his locality he should see the county farm agent or write the director of the experiment station for advice on this matter.

The vitality of the seed corn planted also has much to do with the yield obtained. Seed of strong vitality that will germinate and insure good growth of the young plants, even when conditions are somewhat unfavorable, is necessary if maximum yields are to be obtained on all of our farms.

Two Plans Suggested

There is only one really satisfactory method of selecting seed," says Prof. C. G. Cunningham of the Kansas Experiment station, "and that is selection in the field after the corn becomes mature, but before a freeze occurs. At this time the maturity and the conditions under which the ears selected were grown can be noted."

The most profitable way, perhaps, will be to go through the field with a sack or basket just before harvest and gather the ears from the type of stalk desired. This to be sure will require extra time, but no doubt it will insure as great returns for the time taken as any other operation on the farm. By this method a man gives his whole thought to the work and consequently will get better results. A man in one day's seed selection will harvest many more ears than the average farmer will plant.

If this plan cannot be followed any farmer should at least arrange to save seed corn while gathering the main crop. A box or a barrel fastened on each side of the wagon and also at the end of the wagon box will provide a convenient receptacle into which the ears from the desirable plants can be thrown. As the main crop is harvested the ears from the desirable plants may be thrown into the boxes and kept separate. Select seed from strong, upright, leafy stalks of medium height that are largest at the ground and taper gradually to the tassel. The ears should be moderately low on the stalk and at a convenient height for husking. They should have a shank of medium length and diameter, and should hang down sufficiently to prevent water from entering the tip. Select ears from stalks grown under average conditions and in that part of the field where there is a uniform stand. Select from stalks that stand up and that are free from suckers. As corn approaches maturity stalks often go down even when there is only a normal amount of wind and rain. It is also important to select ears from early maturing plants in regions where the rainfall is limited or uncertain. If one desires to grow two ears to the stalk the seed corn should be selected from two-eared plants. If three ears are desired select from three-eared stalks. However, it is doubtful whether one should try to produce more than two ears to the stalk except on bottom lands and the richest soils. As far as possible select seed of high germinating power. If the ear is not firm, and if the kernels are lacking in luster and are more or less discolored at the tip, the chances are that the seed does not have the highest degree of vitality. Ears of this kind should be rejected. They will not yield so well as those which are well matured.

Experiments show that it pays to use the same careful methods in selecting seed for kafir and other grain

sorghums as with corn. The best way to select seed is to go into the field after the heads are reasonably mature and with a sack suspended over the shoulder pass between the rows and gather only those heads which conform to the type desired. By this means attention can be given not only to the heads themselves, but also to the height and general character of the plants which produced them. The heads thus selected can be examined a second time, and only those possessing the desired characteristics and uniformity should be retained. Some of the definite characteristics that are desired in the grain sorghums are even

periment stations. All the best varieties of these crops have been developed in this way. This year farmers should exercise great care in selecting seed that they use in sowing wheat, alfalfa and other fall crops. While field selection now will not be practicable for these crops, farmers at least can make sure that the seed is clean, vigorous and free from disease. Make sure especially that the wheat is free from rusts and smuts. Stinking smut or bunt may be prevented by treating the seed either with the formalin or the bluestone solution. One pound of formalin is dissolved in 50 gallons of water and the wheat is sprinkled



A Crop of Kafir Will Pay on Most Farms in the West; the Grain Has a Good Feeding Value for All Kinds of Livestock.

height, early maturity, dwarf stature, well shaped but fairly compact and erect heads. Such heads should be chosen from stalks comparatively free from stooling and side branching. The seed should be selected from fields where there has been no chance for hybrid forms to develop. Kafir, milo, and feterita must not be grown near each other as they readily cross and produce hybrids. After the heads have been gathered they should be stored in such a way that they will not be injured by heating or molding, but will dry out thoroly and rapidly.

The quality and yields of other crops can be improved greatly by careful methods in seed selection. Field selection of seed for wheat, oats, alfalfa, soybeans, cowpeas, and other field crops has been tried and found profitable at many of the United States Ex-

periment stations. All the best varieties of these crops have been developed in this way. This year farmers should exercise great care in selecting seed that they use in sowing wheat, alfalfa and other fall crops. While field selection now will not be practicable for these crops, farmers at least can make sure that the seed is clean, vigorous and free from disease. Make sure especially that the wheat is free from rusts and smuts. Stinking smut or bunt may be prevented by treating the seed either with the formalin or the bluestone solution. One pound of formalin is dissolved in 50 gallons of water and the wheat is sprinkled

Shawnee Farmers' Silo Tour

Twelve motor cars loaded with farmers from Shawnee county left Topeka at 6:30 A. M., Wednesday, July 31, for a two-day trip to see silos and tractors. Stops were made at Silver Lake, St. Marys and Rossville where other farmers joined the party. T. C. Kirkpatrick, secretary of the chamber of commerce; A. D. Folker, county farm



Field Selection of Seed and Careful Storage Methods Will Insure Increased and Profitable Yields Every Year that It is Tried.

agent; and a representative of the Farmers Mail and Breeze accompanied the farmers on their trip.

At St. Marys considerable time was spent in visiting the dairy farm at St. Marys college in St. Marys. The excellent hollow tile silos on the dairy farm were examined closely by the farmers and many questions were asked.

From St. Marys the party journeyed to Manhattan and visited the Kansas State Agricultural college farm. The farmers were met there by Prof. T. O. Fitch of the dairy division and Prof. E. C. Johnson, dean of college extension. The relative merits of stave, metal, hollow tile, concrete, glazed hollow tile, and other forms of silos were discussed by Professor Fitch. After a visit to the dairy and sheep barns the farmers stopped long enough in Manhattan for lunch when they proceeded to Salina to see the National Tractor Show. Short stops were made enroute at Camp Funston and Ft. Riley. The farmers reached the tractor demonstration field in Salina at 5 P. M. Wednesday, where all spent a very interesting and profitable hour in examining and studying machinery exhibits of various kinds.

Thursday morning, A. D. Folker, the county farm agent of Shawnee county, took the farmers out to see the private demonstrations of the National Tractor Show given by the various tractors on the tractor field just west of the main exhibit grounds. Here they saw nearly all the leading makes of tractors at work, pulling plows, harrows, diskers, cultipackers, seed drills, binders, headers, and many other kinds of farm machinery. There were small tractors, medium tractors, and large tractors at work and all apparently had many things to recommend them. To most of the Shawnee county farmers it seemed only a matter of how much a man could invest in order to determine which tractor he should buy. All the machines had good talking points. Many Shawnee county farmers have already purchased tractors and are well pleased with the results. Several who bought small tractors say they will purchase larger machines this year in order to cultivate larger areas, and also to speed up operations made necessary now by the shortage of labor. After a busy day at the National Tractor Show the Shawnee county farmers returned to Topeka late Thursday night well pleased with the trip and its results.

Federal Funds for Seed

BY J. C. MOHLER

It is announced that the President has placed 5 million dollars at the disposal of the Treasury and Agricultural Departments to assist wheat growers of the West who have suffered severe losses this year, to encourage them to remain on their farms, and with a view to increasing the food supply of the nation and to add to the national security and defense.

Only farmers whose credit and resources are exhausted and who cannot get advances privately, from banks, may participate, and the maximum amount that will be lent to any individual is \$300. The money made available, will aid very materially in meeting our situation, and we should now proceed with full speed to facilitate participation in the plan. I would suggest that you write at once to the Federal Land Loan Bank at Wichita, asking for full details, which should be in the hands of its officials within a short time, for, as you doubtless know, the money is to be lent thru the Federal Land Loan Banks. I think it might be well when you write to intimate to the Federal Land Loan Bank officers at Wichita that the bankers of your county would be glad to organize and co-operate with a view to putting the plan into operation quickly and effectively. It will be a great aid to many of our farmers in the drouth-stricken sections of the state.

DEPARTMENT EDITORS
 Livestock Editor..... T. W. Morse
 Farm Doings..... Harley Hatch
 Poultry..... G. D. McClaskey

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Passing Comment—By T. A. McNeal

Capper and Allen Lead

ALTHO the votes for some of the candidates in the state primary on Tuesday, August 6, were rather close, late reports show that Governor Arthur Capper of Topeka for United States senator and Henry J. Allen of Wichita for governor won by overwhelming pluralities. Each one has a large majority over the combined opposition of all the candidates in the field. When the count has been completed it is certain Governor Capper's plurality will be more than 60,000 and his majority more than 25,000. He carried every county in the state, including the home counties of his three opponents. Many thought that on account of the war and other distracting influences there would not be more than 125,000 votes cast in the primaries, but it appears now that there were more than 150,000 persons who participated in the voting. This with the 50,000 soldiers in the army, all of whom except a few were voters, will make a remarkable vote for a primary election. Late reports show that Henry Allen will have a plurality of possibly 46,000 and a majority not far from 24,000. Among the other candidates who at this writing seem to have won nominations on the Republican ticket are R. A. Burch for associate justice, L. J. Pettijohn of Dodge City for secretary of state, R. J. Hopkins of Garden City for attorney general, and Miss Lizzie Wooster for state superintendent.

"The big vote which Governor Arthur Capper received in the primary election in Kansas," says the Kansas City Star, "was a surprise to the politicians. Out in the country where 'the folks' live, however, his big victory was not much of a surprise. But in a state like Kansas, the people do not vote so unanimously for a candidate unless there is a reason for it. The reason may be found in a review of Mr. Capper's administration as governor. He has done the things, generally, which commend themselves to the people of the state. All the candidates against Mr. Capper were well known men. It was no accident that he should have won over a field of such opponents. It was because the people saw no reason for not continuing Mr. Capper in the public service in the light of his administration that kept them from turning to any one of the able men who were running against him, and that is about as great a compliment as could be paid to a public servant."

Looking Forward

That Germany will be defeated is now a foregone conclusion. The only question of doubt is how soon the final victory will come. Will Germany fight to the death? Will the German armies retreat, fighting desperate rear guard actions until finally they are driven back to German soil and there desperately defend themselves as France has done? If so the War will be prolonged far beyond the time at which I believe it will end, but just the same the end will be victory for the allies.

What is coming after the war? It may be said that it is not the time to discuss that question and I myself think that the attention of the allied peoples should be centered principally on winning the war, leaving other questions as far as possible to be settled when conditions are more nearly normal than now. It has been said that the world after this War will either be a better world or a worse world. I hope and believe that it will be a better world but I wish now to warn the enthusiastic altruist not to expect too much. The forces of selfishness and autoeracy are not going to be entirely destroyed by this War. The vultures of greed will be hovering over a blood-drenched world waiting for a chance to gorge and fatten on the human wreckage.

In all of the allied nations, including our own, there is still a class of people who may talk of democracy but who do not at heart believe in it. They may assert that they believe in the rule of the people, but as a matter of fact they believe in the rule of the few. They may prate of equal

rights but as a matter of fact they believe in special privilege and cherish a secret admiration for autocratic rule. These forces are certain to stand in the way of democratic progress. The millennium is not likely to dawn immediately when peace is declared. There must be a period of readjustment, possibly painful, prolonged and discouraging before the ideal governmental condition is reached, if it is ever reached. There will be a powerful effort made to fasten militarism permanently upon this country, and it may succeed.

It will be a time when every man who honestly loves his country, who loves justice, who believes in the rule of the people and not in government by the few, should be on the watch, not simply as a fault finder, talking a good deal but doing little, but a real constructive patriot who earnestly intends, so far as he is able, to see that popular government is preserved; that the virus of militarism is not permitted to be injected into the arteries of the republic and that greed and

onstrated that the pretense that equal educational privileges are afforded both races in the South is false. The great bulk of the colored conscripts from the South have been given no educational training. They are as densely ignorant as were their ancestors in slavery days. That this is the fault of the white men is shown by the fact that whenever the negro race has been given educational opportunities they have been eager to take advantage of it. It has not been the purpose of the dominant white class to educate the negro. In fact a good many of them very frankly have acknowledged this. They say that education ruins him; that it unfit him for the position of a servant and that this is his true and proper position. That of course is the old slavery idea. They do not propose that he shall be free except in name and they know that if the blacks can be kept in ignorance it will be easier to keep them in subjection. They have failed to grasp the fundamental fact that an uneducated laboring class means a non-progressive laboring class. That was why the free North outstripped the slave South before the War, altho the South had superior natural advantages.

This War which has or will call into the service several hundred thousand negroes from the South, will give to those men a more liberal education than they ever could hope to receive in the South. They will be sent or already have been sent to France. They will learn a good deal about the world and about their own government. A good many have been made officers and are giving a good account of themselves. The negro troops are showing up splendidly. They are good soldiers, obedient to discipline and good fighters as there are in the world. They have been called into service by the government and often have responded with greater willingness than the whites. They will come back with a far keener appreciation of their rights as citizens of the United States than they ever have had before and there must be among fair-minded men of the South a growing feeling that the black man who has risked his life in its defense, is entitled to the equal protection of its laws and equal rights of citizenship with the whites. This means that his children should have equal educational opportunities with the children of his white neighbors; that he should have the same right to vote and have his vote counted as his white neighbor, in other words that he should be regarded in every respect as the equal of the white man so far as citizenship is concerned.

If this is not accorded these black men who have offered their lives freely for their country, then they are going to get out of the South and seek opportunity elsewhere. The old time negro so densely ignorant that he was practically helpless, did not know what his legal rights were, nor did he have any definite idea concerning how to get those rights even if he did have a dim conception of them. The men who have crossed the seas who have under the flag and in the campaign gained a liberal education at least along certain lines will not be content to submit to a perpetual system of servitude and denial of their political rights.

To Prevent War

I hope that after this war is over a great peace league of nations will be formed, controlled by the allied nations of course, but controlling all the nations of the earth, with one definite and paramount object: To prevent the possibility of the recurrence of such a world-wide calamity. It seems to me that the first requisite of such a league is to prepare a plan for universal disarmament; not only disarmament but the discontinuance of the making of weapons designed for war like purposes. All gun factories like that of the Krupps at Essen should be destroyed. The making of cannon should be forbidden, and so should the making of machine guns and other weapons which as I have said, are manufactured especially for war purposes. The objection to universal compulsory military training, is that it necessitates the



GOVERNOR ARTHUR CAPPER
 Republican Nominee for U. S. Senator from Kansas

manufacture of all the vast armament necessary to equip an army of great size, and in my opinion as long as the nations continue to prepare for war the manufacture of the guns and munitions needed in war there will be wars, and as the genius of man creates more destructive weapons, just in that degree will wars become more and more destructive of life and property. For mere police great cannon, high explosive shells, gas shells and machine guns are not necessary. All of them could be destroyed and the making of more forbidden. Wars will forever end when those who control the affairs of nations are willing to do away with the instruments of war and with preparation for war, and not till then.

Instead of changing my opinion concerning preparation for war, every day, as this war proceeds, it affirms and strengthens my opinion that war is the supremest folly and the supremest of crimes. No one may say that if such is my belief I could be in favor of peace on whatever terms can be agreed upon. On the contrary I am convinced that the first essential to a lasting peace is the overwhelming defeat of Germany. Burglary is a great crime, but in order to discourage burglary it is necessary first to capture and punish the burglar, and then the most profound study could be given to the removal of the causes which produce crime and criminals. I certainly would favor teaching everybody the art of burglary, how it might be committed most successfully, and should I favor devoting a large share of the manufacturing power of the country to the making of the most improved burglar tools. The German military system and military government is a menace to the world, and I hope it will be destroyed. I am in favor of making tremendous sacrifices in order that it may be destroyed. I am in favor of shifting war preparation to the limit, but if this sacrifice of young manhood, and destruction of property is to be followed by a whole world of arms then I shall feel that the sacrifice has been in vain.

The Hope of Russia

It is reported that the allied powers including the United States and Japan have agreed on the policy to be pursued with regard to Russia, but that that policy is to be so far as any public information is concerned, is very hazy and indefinite. One day we are told that troops supplied mostly by Japan and the United States, are to be sent at once to Siberia, perhaps are already on the way, while the next day we are informed that the intervention is to be almost entirely industrial. I am of the opinion that a vast majority of the people of the United States have made up their minds that the intervention ought to be both military and industrial. Whatever may have been the original intentions of the leaders of the Bolshevik government, so called, they have from the very first played entirely into the hands of Germany. They have permitted Germany to dictate such terms as suited it, including the payment of a large indemnity. German armies occupy Russian territory and it looks as if, at the dictation of Germany, Lenin and his government are about ready to declare war on the allies and become the open enemies of Germany.

At this time such a declaration of war would mean little, and might even be to the advantage of the allies in that it would rally to their support the people in Russia who are still opposed to German domination and provide an ample justification, if any further justification were needed, for sending a large army of Americans and Japanese to Russia. In that event one of two things would happen almost immediately; either the Bolshevik government would be overthrown, or Germany would be compelled to send large bodies of troops to its aid and Germany has not the troops to spare. They could not be sent without weakening the allies on the West front. On the other hand there is no doubt that with American troops as a nucleus, the powerful Russian army might be organized by next year, would render valuable aid to the allies. It could strike Austria and East Prussia, put Rumania back into the war, and complete the disruption and defeat of Austria. Russia left alone will continue to go from bad to worse in all probability. Nothing is to be hoped from the Lenin-Trotsky government. Under American guidance, however, a republican government might be established that would give stability and eventual prosperity to the Russian people. If Germany is permitted to have its way in Russia that country will be divided into a number of states, but each will be subject to German control, and to all intents and purposes a part of the German empire. In that event even if Germany loses the West front, loses all her colonies and Alsace-Lorraine, she would still be a territorial gainer by the war. The allies cannot afford that.

Wants All Conscripted

True rights never conflict. The proper object of law is to secure to men their inalienable rights, and to take them away. In the state, the church and the social order the rights and duties of the members are founded on the principle of absolute equality among themselves. Every member, however humble, has the same rights as every other member and it is the duty of every member so to

conduct himself as not to interfere with any other member in the enjoyment of his equal rights. Why do we ask a certain class to take up arms in defense of our country while others are exempted for any reason whatever? Would it not be equal rights if all were drafted and all serve? Pay all labor \$30 a month and board, same as the soldiers are paid, and let everybody work or fight. Take all factories and means of production and give them back at the end of the war in as good condition as when they were taken over.

Fall River, Kan.

J. S. Hobbs.

On first consideration this seems a fair and logical proposition, and I have advocated something of the same kind. However it probably is not worth while to spend much time in discussing it for the reason that there is not the most remote probability that it will be put into operation. Mr. Hobbs is slightly in error in his statement of facts. The common soldier when inducted into service receives \$33 a month with board, clothing, housing and fuel. Also he gets free hospital care, free dental service, and several other things he would be required to pay for in private life. In case he has a family the government supports his wife to the extent of \$15 a month with \$10 additional if there is one child, \$17.50 if there are two children, and \$5 additional for each child in excess of two. However, that is a mere matter of detail, and does not affect the value of Mr. Hobbs's argument and plan. The question is: Should all citizens of the country who are able to render any service be drafted and directed as to what they shall do, and all industrial business be taken over by the government?

Even under this plan there could not be exact justice. Millions of the drafted necessarily would have less responsible and less dangerous kinds of employment than others, and yet under this plan would receive equal pay. In other words exact equality is impossible. The government would become the sole employer of labor and the sole dictator in the matter of ordering the life of every citizen. Would this be wise if possible?

The more I think about it the more I am inclined to doubt the wisdom of such a policy even in war time if it were possible. I believe that in time of peace it would be intolerable, and while we submit willingly to many things in war time which we would rebel against in time of peace, I am inclined to think as I study the question more and more, that it is perhaps better in time of war to interfere with the natural order of things as little as possible. Necessarily the natural order must be changed greatly and has been changed. It is true also that no man or woman who is able to serve in a time like this has any greater natural right to exemption than any other person similarly situated, but after all the paramount question is what system will do most to get results?

To draft men and women from the lines of work to which they have been accustomed and put them under the direction of some government official who will tell them what he thinks they should and must do, in all probability would result in endless confusion and injustice and lack of efficiency. There must be a golden mean even in war time between the extreme of individual liberty on the one side and the extreme of government supervision on the other. Just where that line ought to be drawn I am not wise enough to tell. I think it can be determined only by experiments, many of which will prove to be failures wholly or in part.

The Corn Gamble

Two weeks ago there was the best prospect for a corn crop in Kansas there has been for many a year. Then came the hot winds and days of drought. In a week it is safe to estimate that 50 million dollars' damage was done to the Kansas corn crop. But fortunately the hot winds did not come until, in the case of the early corn at any rate, the pollen had fallen so that the fertilization was completed. In such case there is certain to be some corn but if the weather is not favorable the ears will not develop as they should. At best corn raising in Kansas is a gamble. Perhaps, that should be said of all farming operations in Kansas, but it is especially true of Kansas corn.

It may not be a distinction to be proud of but I think that Kansas can lose money faster when weather conditions are unpropitious than any other state in the American Union. It is perhaps not an extravagant estimate to say that during the six hottest and driest days the Kansas corn crop deteriorated at the rate of 10 million dollars a day. As the harm was done during the day, that meant that Kansas was losing at the rate of a million dollars an hour or \$16,666 every minute. There is, I may say, some class to that style of losing. In the matter of making or losing it may be mentioned with some pride that Kansas is no piker. She makes by the million and loses by the million and no man is wise enough to guess in advance whether the gamble will win or lose.

As I write this the rain is beginning to fall again, gently on the parched ground. This means that many a field of corn where it was just tough and go whether the corn would make a fair crop or be almost a total failure, will chirp up and commence to grow again. Last year the revival of the corn in Kansas was a nature miracle. During the last days of July it looked as if there

wouldn't be enough corn raised in Kansas to feed a flock of canary birds. Then came the blessed rains and the corn that had seemed dead came to life and grew amazingly. If the frosts had been delayed two weeks last year Kansas would have had one of the greatest crops of corn ever known in the state. That of course is past history now but it gives us a hope as the rain begins to fall that another miracle may be wrought this year again.

Stop Automobile Thieving

Writing from Chandler, Okla., M. W. Watson suggests the following method to prevent auto stealing:

Have the legislature pass an act compelling all auto dealers to give bill of sale with each car sold giving description of same and stamped with dealers' seal made for that purpose. Provide in the law that when the car is resold the original bill of sale must accompany it in order to make legal transfer. Thieves could not dispose of cars because they would have no bills of sale. Give us such a law in the different states and we will have no occasion to worry about the stealing of automobiles.

It seems to me that Mr. Watson has made a valuable suggestion. Of course such legislation in order to be effective must be concurred in by practically all the states. Possibly a Congressional enactment might be framed that would cover the entire subject, altho I am not sure that Congress would have the authority to pass such a law and make it stick. Of course there would have to be some provision by which, in case of the loss of the original bill of sale a duplicate might be obtained. In any event the suggestion is worth consideration.

A Thriftier West Must Come

From an Address by Governor Capper in the Recent War Savings Stamp Campaign in Wyandotte County

Changes are coming that make consideration of thrift and economy necessary, and the practice of these virtues. Kansas was pioneered by a hardy people who have gained much wealth by the increase in the value of their land and the development of business that attended the growth of the country. Many men of limited means have grown wealthy because they came West and grew up with the country.

But in coming years the greatest opportunity for the increase in wealth among our people will be by the intense application of a systematic program. There is not much more cheap land in Kansas, nor anywhere else, to be pioneered. Outside of the oil fields there is little opportunity for successful businesses to be established quickly.

To get ahead in the future Kansas people must husband their resources, plan consistently, and cultivate their land more thoroughly. They must increase the acre yield and not the acreage farmed. The spirit of thrift and economy must be employed along with our energy and ambition.

Kansas already is adjusting herself to the new program, as is the habit of Kansas people. Increasing bank deposits for the last several years in Kansas show the earnest desire and effort being made by the people of this state to husband their wealth. Acclimated agriculture of a strictly Kansas brand is bringing bigger crops. And more recently evidences of their thrift and patriotism have been found in their extensive and liberal subscriptions to the Liberty loans, War Savings Stamps, the Red Cross, the Y. M. C. A., and other War causes. All of which means more wealth for the state, more for each individual, the sale of more merchandise of quality, the increase of good investments and a falling off in "wildcat" schemes. It also means better farmed lands, and more attention and care to the feeding and growing of livestock.

There are some who believe that more or less extravagant spending on the part of the mass of people is good for general business. They declare it keeps money in circulation, and gives employment to many persons. This, I feel, is a mistaken policy. Especially is this a bad example to young men and women and it is to them particularly I appeal in the interest of thrift and economy. To them, more than to any others, is this message of special value. Today the young man, especially the farmer boy, needs more capital than his father to start out in life.

And along with other things we should conserve our health. The results of the examinations for entrance to the army have given us a shock. I am glad to know that Kansas boys are much freer from loathsome diseases than are those of some other states, but too many Kansas boys have had their health undermined thru ignorance and carelessness.

The future is bright if we take advantage of these lessons that are being given us. There is a promise of better men and women, homes, and a heightened citizenship in Kansas.



For Better Grain Crops

DRILL planting saves seed, gives the crop a better start, increases yields, and produces grain of better quality than any other known method of planting. These are the years when every acre of small grain must produce every possible bushel and these are the drills to plant with.

If you are growing small grain, and are not using an **Empire Jr., Hoosier, or Kentucky** drill for planting, you are losing money and the world is losing grain. Buy the right drill from your local dealer who has in stock, or can get for you, the drill best suited to your soil and crops.

The dealer will show you all about feeds, furrow openers, bearings, attachments, the regulation of quantities, and all the other things you will want to know. Talk this over with him or write to us, and we will send you complete information about the **Empire Jr., Hoosier, or Kentucky** drill that is best for you to buy.

International Harvester Company of America

CHICAGO (Incorporated) **U S A**
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When Our Own Harvest Requirements are Completed

United States Help Badly Needed Harvest Hands Wanted

Military demands from a limited population have made such a scarcity of farm help in Canada that the appeal of the Canadian Government to the United States Government for

Help to Harvest the Canadian Grain Crop of 1918

Meets with a request for all available assistance to go forward as soon as our own crop is secured.

The Allied Armies must be fed and therefore it is necessary to save every bit of the crop of the Continent—American and Canadian. Those who respond to this appeal will get a

Warm Welcome, Good Wages, Good Board and Find Comfortable Homes

A card entitling the holder to a rate of one cent per mile from Canadian Boundary Points to Destination and return will be given to all Harvest Applicants. Every facility will be afforded for admission into Canada and return to the United States. Information as to wages, railway rates and routes, may be had from the

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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.

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

Jayhawker's Farm Notes

BY HARLEY HATCH

**Corn Needs Rain.
Wheat Acreage Increased.
Many Farmers are Plowing.
Rye as a Wheat Substitute.
Rye for Green Winter Pasture.
Our New Crib and Granary.
Things to Consider in Roofing.**

THE LONG distance forecast for the week said, "warmer with showers." It is warmer, all right, but so far we have seen nothing of the showers. They are needed, too, for our last shower came two weeks ago and we have had a number of 100 degree days since then. Corn still hangs on and is looking green but it must have rain at once if it makes any kind of a crop. And truth compels the statement that it never looked less like rain than it does today, August 3.

Despite the dry weather the plows are busy on almost every farm and present indications are that all the land which grew wheat and oats this year will be plowed up and seeded to wheat this fall. Should this be done it will mean the largest acreage of wheat ever planted in Coffey county. The assessor's reports showed 40,000 acres in the county this year and indications are that there will be 60,000 acres seeded this fall.

The dry seasons, which have been so hard on corn, seem to be just what wheat likes in this part of Kansas. Now that there are strong indications of another very short crop of corn more farmers than ever are turning to wheat. The condition of the soil, which is looser and easier to plow than ever known before here in summer, has permitted plowing to continue regardless of the dry weather. Land which has been plowed within the last year now plows about as easily when dry as when wet. On most of the farms in this locality plows are running full time regardless of the fact that the mercury reaches 100 during the afternoon.

On this farm as well as on most others in the neighborhood the oat stubble was plowed first while there was yet moisture in the soil. It was seen that the wheat stubble land was so loose that it could be plowed at any time while the land which grew oats was not so loose. There are no clods in any of the fields and those who have horses for power are making progress almost equal to those who are using tractors. If all the land which grew wheat and oats this year is sown to wheat this fall and the usual acreage of oats is sown in the cornstalks next spring it will not leave much land for corn in 1919. One good thing about the wheat crop is that success or failure usually is known in time to plant corn the next spring if the wheat fails.

We have one field of 17 acres on this farm which is just at present trying to raise a crop of corn. It is earing but must have rain at once to make anything like a crop. But if the grain fails the fodder is made and we have about concluded to cut it up early and put in shocks as far apart as we can carry the bundles and sow the land in wheat next month. The field was well plowed this spring and lies as light and loose as in April and there is no grass and weeds growing on it. Under those conditions it should not be hard to make a good seedbed for wheat there. Should we sow this field in addition to what we have already plowed and then sow our usual acreage of oats next spring it will not leave much land for corn in 1919. Probably in that case 1919 will be one of the big corn years we hear old settlers talk about.

The consumers of this country do not seem to take readily to rye as a substitute for wheat; to tell the truth, rye flour is better adapted to winter consumption and for that reason stocks of both rye and rye flour are very large. I have been told that but \$1.50 a bushel is being offered for rye here and many of those who have a great quantity of that grain on hand are planning on using it for pig feed in case the food administration makes no

objection. At that price it will be cheaper than corn and is probably worth as much, bushel for bushel, to feed in a limited way.

The acreage to be seeded to rye here will be much smaller than most farmers thought likely last spring when the fixed price for wheat in Kansas City was but \$2.15 while rye, on which no price was set, was selling for \$2.75. Many then said they should sow largely to rye but events since then have changed their minds. Not only is the price much less than that of wheat but the yield in most cases is but little more than two-thirds that of wheat. This seems strange for never did grain have a better appearance than the rye did here at harvesting time. It ripened earlier than wheat and so escaped the hot weather of June yet rye grown on land which is making from 20 to 25 bushels of wheat is making but 15 to 18 bushels of rye.

On this farm we intend to sow the usual amount of rye which is just enough to supply green winter pasture for the pigs and chickens. A small field of 3 acres near the hog-house and which is fenced hog-tight will be put in rye some time before September 25 provided we can get the ground fitted by that time. It is not yet plowed and as it has served for a hog pasture the last year the soil is tramped very hard. We will plow it as soon as it gets enough rain to wet it up which may be soon or late. This patch was sown to rye last fall and kept about 30 head of hogs from October 20 until the day before it was harvested in June. We have not threshed yet but our estimate on the crop which was left by the hogs is 15 bushels to the acre. This is much better than we ordinarily can expect from rye so used.

We have the foundation laid for the new crib and granary and are now putting up the frame. The foundation we made by putting up boards for a form and then we threw in broken rocks and slushed them with cement mortar. The rocks are not laid quite to the outer edge allowing about 1 inch of space for the mortar to run down beside the form and make a smooth face. It is not likely we shall need much of the crib space in the new building this year but as we had to make a new granary in any event we thought it best to make the whole thing together as it could be done much more cheaply. It is 32 feet long with a crib on one side 8 feet wide and bins on the other of the same width; the driveway between is 10 feet; the driveway in the old crib was 8 feet and that was not enough. A driveway makes a good place to keep wagons and the manure spreader and when they are in there is no room to walk around them in an 8-foot driveway.

All the studding in the new building is of 2 by 6 stuff; the old crib had 2 by 4 studding which experience proved were not strong enough. The joists in the floor are of 2 by 6 well supported by rock pillars. The floor in the small grain side will be of new 8-inch flooring which now costs \$5 a hundred feet. The No. 1 boxing for the outside costs \$5 a hundred while the dimension stuff is \$4 a hundred. For the roof we will use boards from the old crib laid solid and covered with slate surfaced roofing which costs us \$1.98 a square; this is a special price made for this month only; the regular price is \$2.20.

A reader writes from Hammond, Kan., in reference to this slate surfaced roofing and says that he can buy a fair grade of shingles there for \$3.95 a thousand and would like to know which we consider the best at that price, the roofing or the shingles. We consider the roofing the best or should not be using it. It is guaranteed for 15 years and it makes a fine looking tight roof which is as near fire proof as anything of the kind can be.

Remember the farmer in the furrow and give him a fair price for his farm products.

The West Needs Irrigation

Power Machinery and Water Increase Crop Yields

BY G. B. McNAIR

TRACTORS and improved methods in power farming are making it possible now for farmers to plant and cultivate large bodies of land. The comparatively level lands of the West are well adapted to power farming and are especially desirable on account of their being so much cheaper than farming lands in the East and the North. The only objection to much of this fertile area in the West is the lack of seasonable rains.

All that is necessary to insure good crops on these lands is irrigation. Much of this land that will produce only 10 bushels of wheat to the acre under ordinary conditions often will produce 30 bushels or more when properly irrigated. In many sections of the West water for irrigation may be obtained from running streams or from wells. In some regions water is found only 20 feet below ground but this stratum will not provide enough water from one well, hence it is customary to put down six or eight wells 40 to 60 feet apart and draw from all at once using one pump, usually of the centrifugal type.

This upper stratum of water often is hard and somewhat alkaline. At a depth of 100 feet or more we usually find water which is relatively soft, and abundant in quantity. Therefore if the distance down to the first stratum is 50 feet or more it is more profitable to put down one deep well and obtain all the water necessary from one well. The cost of the deep well plant is considerably more than that for the shallow well plant.

The shallow wells may be arranged either in one line or in radiating lines like spokes of a wheel. The first plan requires less pipe and the pipe fitting is easier.

The wells may be put down by different methods depending on the necessary depth. If it is to be a shallow well plant the number of wells necessary may be six or eight. These should be located in a straight line running across the known direction of water flow underground. This is done to provide an equal flow of water in every well.

The wells having been staked out at distances of 40 feet or more apart, holes should be dug with pick and shovel at each point. These holes should be about 6 feet in diameter and should be dug down to the level of the water bearing gravel, and then all connected by tunneling thru. This tunnel directs all the suction lines into a common pipe leading to the pump, which is set down as low as possible in the earth.

After reaching the level of water bearing gravel, the perforated casing or screen is set on the gravel and weighted with sand bags at the top. This causes it to sink into the gravel. As it goes down the water and gravel inside are removed by means of a "bucket" having a flap valve in the bottom. When sufficient depth has been reached in this way, and the well is reasonably free of gravel and sand, the suction pipe is put down in the center of the casing. If the water level is more than 25 feet below ground the pump has to be placed in

a pit below the ground level for water cannot be raised by suction more than 34 feet and this height is reduced considerably by imperfections in the pump. Therefore, 45 feet is about the limit for shallow well methods. The motor usually is placed on the surface of the ground to prevent any accumulation of water damaging it and to make it easier of access. The belt is run down to the pump thru a sort of a slot in the concrete wall of the pit. As the centrifugal pump is not capable of lifting water until the pump has been filled, some method of priming is necessary. This may be accomplished by placing a valve in the discharge line and providing a small hand pump with which to raise the water into the large pump. Where the centrifugal pump is set below the reservoir, priming may be provided by placing a valve in the discharge line. By closing this valve before stopping the pump, the water in the reservoir is available for priming on starting up, by opening the gate valve and filling the pump and suction line.

If a deep well is necessary a different method is followed. A rotary well drilling machine is used. This method is, briefly, the use of a large drill like the old fashioned twist drill. This usually is 16 inches in diameter and is followed by a reamer which enlarges the hole to 30 inches. The drill shaft is hollow and as it is rotated down, water is fed into the shank and comes out at the blades. This water serves two purposes, it carries the dirt up to the surface where it may be removed by settling, and the water used over again. It also serves to keep the well from caving in during drilling for the hole is full of water all the time.

The amount of water obtained from both deep and shallow wells is about 1,500 gallons to 2,000 gallons a minute, but to pump this quantity from a deep well it may require 150 horse-power while from a shallow well it will be only 30 horse-power. These figures are only averages.

A few items of cost for installing an irrigation plant may be of interest. For the Texas Panhandle, Western Oklahoma, Western Kansas and Western Nebraska, the costs will not vary greatly. The cost of a shallow well plant complete including the pump house in the states mentioned will be about \$2,000. The cost of operating a 30 horsepower motor at 3 cents a kilowatt hour will be 75 cents an hour. The cost of a deep well plant will range from \$5,000 to \$7,500 according to the depth. The cost of operating a 150 horsepower motor with power at 3 cents a kilowatt hour will be \$3.75.

A quarter section of land under irrigation must earn about \$800 more than the same land unirrigated, in order to pay the interest on the investment, depreciation and the cost of power. This is for a shallow well plant.

That irrigation even with deep wells pays for itself is shown by the fact that one of the large land companies in Western Kansas has traded large tracts of shallow well irrigated land for raw land where it is necessary to use deep well methods.

Don't Let Daylight Limit Your Tractor Use



K-W Lighting Outfit Makes Night Work Easy

IN selecting a lighting system, you want powerful, steady light—instantly available without complicated electrical devices to maintain and give trouble.

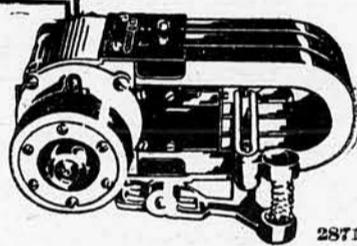
With a K-W Lighting Outfit there is *no* storage battery to sulphate or short circuit or need weekly attention, whether you are using your lights or not. There is *no* commutator or brushes to burn out—*no* complicated cut-out to go wrong, *no* delicate ammeter or voltmeter to watch or become inaccurate through jolts and jars. The K-W *needs no* attention except for an occasional oiling. There is *no* upkeep expense.

A trouble proof, low tension K-W Magneto or generator furnishes the current. Voltage and current output is automatically regulated without governor or other device. The three bar generator furnishes current for a trouble light and two 1600 candle power headlights; the four bar generator for two 2000 candle power headlights and trouble lamp.

The K-W Lighting Outfit consists of a generator, two parabolic headlights, wire, switch, bulbs and trouble lamp. It can be belt or friction driven and is provided with mounting to fit every tractor.

The K-W Lighting Outfit gives a steady, powerful light, at a moment's notice, when engine is running. Should you ever require light at any other time, a hand flash lamp will give you all the light required. Surely you don't want to put up with a lot of complicated regulating devices, storage batteries, delicate meters, etc., for such an occasion. Remember, with a K-W there is *no* maintenance expense.

Write today for further details, prices, etc., giving make and model of your tractor.



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**NO STORAGE BATTERY—NO CHARGING
NO DELICATE AMMETER OR VOLT METER
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"I sowed 40 acres with a SIMPLEX leaving 30 acres unstrawed. Averaged 9 bu. per acre more where SIMPLEX was used. About \$200 on account of SIMPLEX."
 - J. M. ROUSCH,**
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"Strawed wheat looks 60 per cent better than unstrawed. SIMPLEX beats hand work all to pieces!"
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"SIMPLEX works to perfection in all kinds of straw—wet, dry or frozen. It's really fun to run SIMPLEX!"
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of Kansas.
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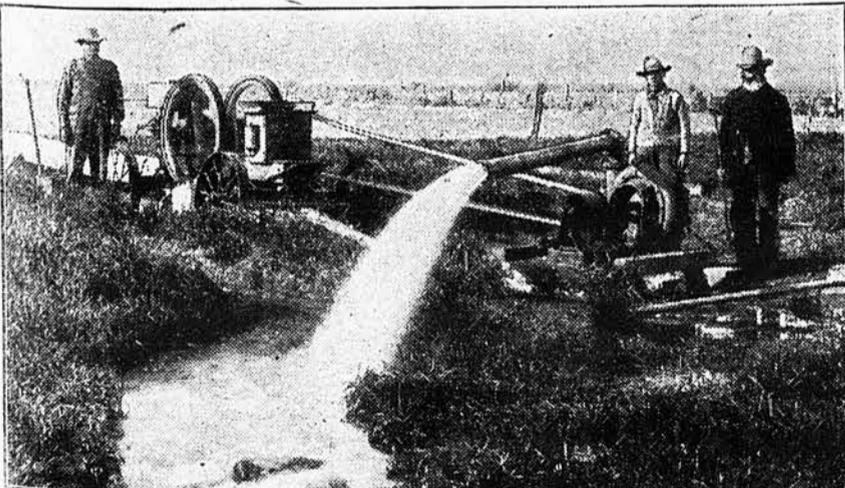


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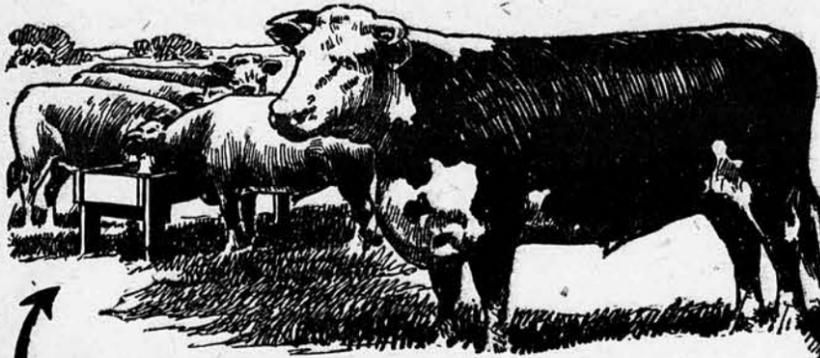


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Conditions this year are far more favorable for profitable feeding than last year. There is every inducement in the world for that extra 100 pounds of fat. Enormous demands for meats, cured and fresh, assure a stabilized market. Again we say—It's a question of feeding and what feed you use.

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GET conservation into your system. Mothers, housewives, daughters—enjoy educational and patriotic features of the Greatest fair in Kansas history.

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\$30,000 In Premiums

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L. M. PENWELL, President

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We're the Real Rain-Getters

Showers Couldn't Dampen Capper Pig Club Pep

BY JOHN F. CASE
Contest Manager

WOULDN'T you feel like celebrating if you walked out to the mall box some morning and found a shiny \$10 gold piece in the road? And you would make twice as much noise if there was a note along with it saying that it wasn't a find after all but was money honestly earned. It is not to be wondered at that Riley county club members are feeling mighty good over winning the special county prize last year. It was some job to "clean up" on all the other clubs, but the Riley boys did that very thing. So we journeyed to Manhattan last month to "talk hog", eat fried chicken, and have a generally hilarious time.

But Riley county has no monopoly on progress or pep. The Pottawatomie county neighbors are up and doing all the time, too, so Pottawatomie county had the honor of helping in the celebration and getting equal credit for the picnic's success. The picnic was held at the city park in Manhattan. Big doings had been planned for the day, including a parade with banners flying, horns tooting, and enough noise to let all Manhattan know that Capper club folks are doing things. Then there was to be a ball game between the Riley and Pottawatomie county clubs. But rain prevented our carrying out the program as planned. It didn't prevent our having a good time, tho, and every person present hopes that we may go picnicing again.

Four counties were represented at the Riley-Pottawatomie county picnic. Neighbor Rosiska drove 50 miles to bring his daughter and another poultry club girl to the park. These hustling folks represented Clay county and it's a good sample of the pep exhibited there. Ben Fridley, hustling county leader for Wabaunsee county, and his folks were on hand. Early indications of rain doubtless prevented the coming of many more. In all, about 125 persons gathered around the tables when dinner was served. And take it from me, fellows, there was "some spread." Everywhere I go I discover the best cooks in Kansas. And by the time dinner was over there were no strangers in the group. Pottawatomie and Riley county folks were visiting like old-time friends, and the friendships formed will endure. This is the finest thing about the club work.

President Jardine of the Kansas State Agricultural college honored us with a visit and got there in time to try a piece of the special Capper Pig Club cake. Then he gave us one of the finest talks you ever heard. Everybody present agreed that "Bill" Jardine is a real fellow, and we hope he will be with us again. Then just as we were preparing to continue the program, down came the rain and despite the fact that it spoiled our plans for the afternoon, we all were mighty glad. There was a hurried rush for motor cars and carriages and we hiked for the community building up town. But somehow "Doc" Holtman, county leader for Riley, got left behind. Then here came "Doc" carrying the Riley county

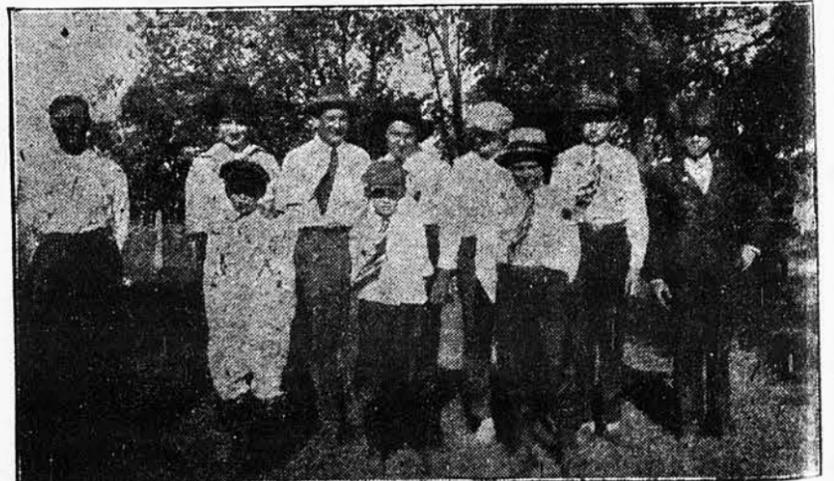
banner. Chester Long in scout uniform was his bodyguard, and altho soaking wet, they thought it was only a part of the fun.

The community building, erected for the use of the soldiers at Camp Funston, is a wonderful place to visit. It's worth a trip to Manhattan just to go there. All the club folks gathered in the big building and we made things ring with the county club yells. There were some fine county club songs by the Riley folks. Riley county had every member in line, including Rhoda Brunberg, the one girl in the state-wide club. There were four Pottawatomie county boys missing, but of course that team had much farther to go. The county leaders told about the good work of their clubs, the contest manager, Assistant Manager Whitman, and the Capper Poultry Club secretary, Bertha Schmidt, made talks about the club, and then we had talks from the mothers and dads. Lois Sargent of Riley county, third prize winner in the Capper Poultry Club for 1917, told about her successful work in raising poultry. There was music, too, for Arthur and Mary Jackson of Pottawatomie county gave us cornet and piano selections that were simply fine, and we all sang America so well that we had to give ourselves a cheer. It was about the peppiest patriotic meeting that I have attended in a long time. You other county leaders must keep an eye on "Doc" Holtman of Riley and Glen Schwandt of Pottawatomie county. Not only are these leaders going the limit for the club, but they have club folks behind them, too. It wouldn't surprise me if I get to make another trip to that section of the state and take the pep trophy along.

"We feel that in work of this kind we are doing something to help win the war," said Andrew Brunberg, president of the Hampshire Breed Club and one of our loyal Riley county members in the father and son department. "All of us feel as if we should try to do our part, and altho some of us find it impossible to go to France, and help fight, we want to do our best in the work at home." I know that every Capper club member feels the same way. And remember that the boy who fails to stay in the game, no matter how discouraging the circumstances are, is a deserter. Back up your comrades in the county clubs and your brothers on the firing line in France.

When I consider the tremendous amount of farm work that Capper Pig Club members have been doing this year, I consider the holding of so many county meetings a marvelous exhibit of pep. I want every club member to know that not only the contest manager but Arthur Capper appreciates the good work that is being done. When the 1918 contest closes, Capper Pig Club members will have made history not only in pork production but in exhibition of county spirit as well.

Sudan grass makes good forage.



Pottawatomie, One Absent. Top, Left to Right: Mr. Schwandt, Arthur Jackson, Harry Stevens, Glen Schwandt, Lloyd Whearty, Floyd Sutterlin, Albert Shepherd, Bottom: Edwin Snyder, Arthur Mee, James Donahy.

Advantages of Thick Cream

The Separator Must Have High Testing Material

BY V. D. CHAPPELL

AMONG the many problems which the creameries are now compelled to solve is the difficulty which they experience in getting thick cream. After visiting a large number of creameries the writer has found that the average test for cream received is below 25 per cent butterfat.

There is no possible advantage to be gained by setting the cream separator to skim cream of this consistency. The machine if operated properly, will skim a heavy cream just as efficiently as it will cream with a small percentage of fat. The advantages of heavy cream are mutual to the farmer and the manufacturer of butter.

In the case of a farmers' co-operative creamery, the producer of course is interested in the manufacturing end of the dairy industry as well as the production end, and, therefore, receives what appears to him to be a more direct result. This condition enables the co-operative creamery to obtain heavier cream with less difficulty than the individual plant or centralizer.

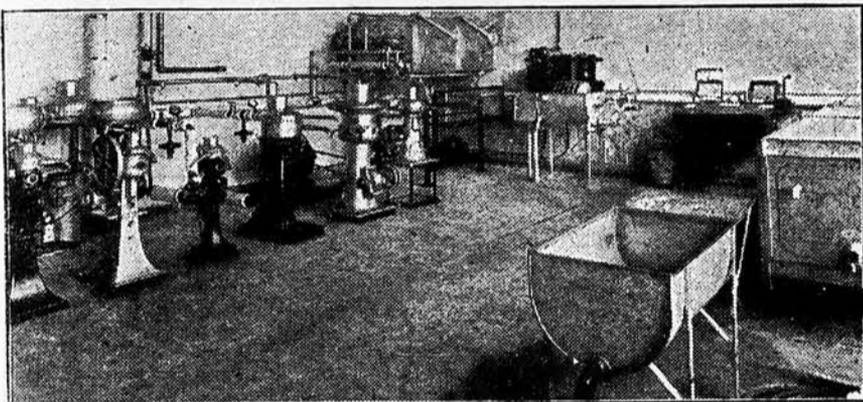
Thick cream does not sour as quickly as thin cream. A larger amount of skimmilk can be retained on the farm

Starter plays a most important part in a modern creamery and is absolutely essential when the cream is pasteurized. If the percentage of butterfat is small, the consistency of the cream is such that but a small quantity of starter can be added. This condition makes it very difficult to control the flavor of the cream which plays such an important part in the manufacture of high grade butter.

Sheep in Hot Weather

BY ANTHONY R. GOULD
In Shepherd's Calendar.

Ewes should not be mated to drop their first lambs before they are 2 years old. The gestation period is 145 days. This means that a ewe should be bred the fall following the spring she becomes a yearling. Beginning with the first cool nights in early fall the ewes begin to come in heat. Every 14 to 19 days the ewe will recur in heat until bred. The period during which a ewe will breed varies from two to three days. By generous feeding or a change from scant pasture to



An Ideal Dairy Equipped with Reliable Separators is the Best of Starts Toward Encouraging Farmers to Improve their Dairy Cattle.

for feeding purposes. The bulk is reduced to a large extent and therefore makes transportation easier. Heavy cream can be cooled easier than thin cream because of the smaller quantity obtained from a given amount of milk. Advantages to the creamery are important. Heavy cream reduces the quantity of raw product to be weighed and handled, and it can be pasteurized with a smaller loss of butterfat in churning. Heavy cream permits the addition of a large quantity of starter, therefore enabling the buttermaker to control flavor to better advantage. The containers in which the cream is delivered are reduced in size and number and hence reduces the labor in washing and sterilizing.

These advantages are all of great importance in making the dairy department of the farm profitable. They also are of great value in every kind of creamery, the large and small alike. In the new dairy sections where there is not a sufficient amount of the raw products to warrant the establishment of a creamery or cheese factory, the cream must necessarily be sent to the larger plants. If this is done, the long distances which the cream must be carried permit it to deteriorate very rapidly, especially if it has a large skimmilk content.

Danger of Over-ripening

The germs which cause the souring of milk work upon the milk sugar, changing it into lactic acid. The greater amount of skimmilk there is with the cream the more liability for its souring. While there is no particular damage done from the souring of cream in the proper manner, there is a much greater chance for the over-ripening and consequently the development of objectionable odors.

The cream for churning purposes should not contain less than 35 per cent butterfat. After the cream is received at the creamery, it should be in such condition that it can be handled to best advantage and churned exhaustively. A cream that is thin is more difficult to pasteurize, and after being subjected to the heating process, does not churn out as well as higher testing cream.

more abundant ones, particularly blue grass or rape, the ewe is put in a gaining condition, called "flushing." This causes the ewe to be more certain in breeding and more frequently to produce twins. If this is done uniformly thruout the flock it will also mean a more uniform lamb crop. In case no good pasture is available a light grain feed or a little choice hay can be fed. Oats are preferable to corn. Pumpkins make very excellent feed for this purpose.

During the breeding season and for the preceding four weeks the ram should receive an extra grain ration that is not too fattening. Oats alone are very good or 2 parts of oats to 1 of bran will put him in excellent physical condition. The thin ram will need a little corn in the ration, such as 10 parts of oats, 5 parts of corn, 3 parts of bran, 1 part of linseed oil meal.

To obtain the greatest use from a ram he should be let into the flock only an hour in the morning and evening and kept in his pen the rest of the day. Wethers or bred ewes should be kept in the pen with the ram so that he will not become restless. It is also convenient to daub a branding paint on the brisket of the ram so as to tell which ewes he has bred. The first two weeks one color should be placed on one side of his brisket, the next two another color on the other side, and the last two weeks he should be marked in the middle. It will be necessary to replace the paint every two days. Do not use any kind of paint other than branding paint as it will not scour out and consequently greatly reduce the value of your wool. A ram lamb should not be used except very lightly, that is from five to 12 ewes. A yearling ram should not be required to serve more than 25 and a matured ram will care for from 50 to 75 head.

One of the things that makes the farmer independent is his ability to supply not only many of the necessities of life but also many of those luxuries which the soil furnishes.

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Wheelbase—86 inch.
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Farmers who never before thought they could afford a tractor are now doing all their field and belt work with LAUSON Power. New literature tells all about these remarkable construction and performance features. Send for it. You can arrange for a LAUSON demonstration on your farm through our nearest distributor or dealer.

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Analysis has shown this wheat to be richer in gluten, stronger in straw to resist wind and storms than ordinary kinds. Actual growing tests have proven it to yield very heavy and more productive than domestic varieties. It is now thoroughly acclimated and grows and yields exceedingly well in this section of the country. It requires no more care in cultivation than other kinds.

It is very highly recommended by the Kansas State Agricultural College of Manhattan, Kansas. It has been grown for two years at the College, where the tests have been very satisfactory.

A limited quantity is offered for sale in 5, 10, 15 and 20 bushel lots at \$5.00 per bushel, delivered in sacks, f. o. b. Salina to railroad specified. Checks or Postal Money Orders should accompany each order.

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This wheat was shipped in by Mr. A. R. Long, Belpre, Kan., four years ago. This wheat has proven its superiority, both in hardness and yield. This wheat made 15 bushels per acre last year, or 5 bushels more than any other wheat I had, and this year it is as good as the Kan Red Wheat. It is absolutely clear of eye. I'll have about 2500 bushels of this wheat and every bushel of it should be planted in this locality. Also have several hundred bushels of Kan Red Wheat. Will make a price of \$2.40 at the machine or \$2.50 at the granary. Phone in your order before it is all spoken for. FRED WINDHORST, BELPRE, KANSAS

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Every Home, Club, Sunday School, Church or Business House furnishing a boy for Uncle Sam should honor him by displaying the Service Flag officially adopted by the United States Government. The flags are 12x18 inches in size. Sewed cotton flag cloth—cotton heading and teeth grommets.

For the next few days we will send one of these flags free and postpaid for one yearly subscription to the Farmers Mail and Breeze at \$1.10. Orders are filled with flags with a single star. If more than one star is wanted add 10 cents for each extra star.

Farmers Mail and Breeze, Topeka, Ks. Gentlemen—Enclosed, find \$1.10 for which send Farmers Mail and Breeze one year with a service flag free as premium.

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With the Home Makers

Mending is a Useful Art for These Conservation Days

BY EMILY GRANT HUTCHINGS

WITH THE increased cost of everything that enters into housekeeping, the old-fashioned wife who knows how to mend is in better repute than the modern one who knows only what to wear and how to set a table correctly. Our grandmothers were as proud of their ability to put on a patch that could not be detected as the 1918 society girl is of her ability to knit coarse yarn socks for her soldier brother. And indeed the art of mending is not one to be despised. The woman who can transform three ragged roller towels into two usable ones is a patriot and almost a genius. Yet the trick is not difficult.

It is always the middle of the towel that wears out first, just as it is the middle of the sheet that shows the first weak spots. When one of the towels is worn beyond repair, lay it aside until two others are beginning to break. Then split it down the middle, discarding all the ragged part. Turn the towel to be mended wrong side out and baste the strip down the middle of it. The old towel will provide two strips for reinforcing two that are not so badly worn. I always make up roller towels in sets of three, with this idea of mending in view. The patch may be run on by hand, but it is easier to stitch it on the sewing machine, after it is securely basted. If there are only small holes in the towel, they may be darned, thru the patch, which is the neatest and most lasting system of mending. But if the holes are large, the ragged edge may be turned under and sewed to the patch.

Bed sheets that have given way in the middle should not be used until they come from the bed in long, parallel slits, for then they are almost hopeless. As soon as the middle looks thin, tear the sheet in two lengthwise, sew the selvage edges together with the smallest seam possible, and hem the outer edges. I am using sheets now that I treated in this manner two years ago. Those that were repaired four years ago became ragged along the edges after three years' use, and I made them over into dress bags, to cover my gowns and coats.

Table linen has trebled in price, in the last two years, and as it is likely to go even higher, it behooves the practical woman to take that important "stitch in time," which will double the life of the cloth. Patching, on a tablecloth, is always unsightly. Darning may be very pretty and interesting; but it goes without saying that the holes must not be allowed to become large. It is usually the wool threads that break first, and while the warp is all there the damaged spot can be darned with mercerized cotton so that it will scarcely show after the cloth has been laundered. The mending must always be done before the linen goes to the washtub, or the hole will be twice as large, and far more difficult to manage.

Use the Sewing Machine

When a cloth is so worn and thin that it is not worth the time required for neat darning, its life of usefulness may be lengthened several months by mending on the sewing machine. For this kind of mending there should be a needle with a large eye, some coarse unglazed thread and an embroidery hoop. Remove the presser foot and loosen the tension a little. Put the part of the cloth to be darned into the hoop, so that it will be perfectly flat. Slip it under the foot of the machine. The presser foot having been taken off, there will be nothing to hold it down, and the hoop may be slid back and forth at will. The first piece of darning that is done in this way will probably not look very good. I practiced on kitchen towels before I undertook to mend even my old damask. The

stitching must go back and forth in one direction, taking care to run the stitches half an inch back from the edge of the hole. Then turn the hoop a quarter of the way around, so that the stitching will cross the rows of thread already in place. Now pass the hoop back and forth under the needle as before, and when you have come to the lower edge of the hole you will have a patch of stitched darning that will wear for years and will look astonishingly neat. The rows of stitches must be close together.



This method of darning is in use for stockings, also, but it requires a special kind of frame to flatten out the toe or heel. For anything flat and plain, small embroidery hoops will serve just as well. This kind of darning can be used successfully on children's clothes, if the right color of thread is to be had, and it can be done in one-fourth of the time required for any other kind of patching. It may even be used on knit underwear, but for this it is not entirely successful, because of the tendency of knitted fabric to pull out of shape.

It is better to mend union suits and other similar garments as soon as they begin to break along the seams, by basting under the worn place a piece of thin India linen and darning thru it with mercerized cotton. Ordinary white darning cotton will do, but the mercerized kind costs very little more, and it is much smoother and easier to use.

Woolen dresses and suits can be darned with threads raveled from a piece of the cloth, which should be saved for this purpose, and snagged places or triangular tears can be remedied by the help of a piece of mending tissue, a square of the original cloth and a warm iron.

Have a Cold Drink?

I am sending my recipes for four drinks which we have found inexpensive and pleasing.

Melon Punch—Remove the rinds and seeds from 3 small muskmelons and crush thoroly. Add the juice of 2 lemons, mix well, add 1 cup of grape juice, and let stand 10 minutes. Dilute with 3 pints of water. If the melons are very sweet, no sugar will be needed.

Pineapple Cup—Mix a pint of pineapple juice, 4 tablespoons of vanilla extract, the juice of 2 oranges, 2 cups of water, and sugar to suit the taste. Serve in glasses with cracked ice.

Tea Punch—Make a quart of strong tea and when cold, strain, add the juice of 3 lemons, 5 tablespoons of sugar and 3 cups of grape juice. Chill thoroly and serve.

Punch—Let 3 lemons stand several minutes covered with hot water. Squeeze the juice into a quart of cold water, add 1 cup of sugar, 1 cup of chopped pineapple, 1 minced orange and 2 cups of grape juice. Let stand on ice 20 minutes. A chopped banana may be added if desired.

Pearl Chenoweth.

Decatur Co., Kansas.

How I Dry Corn

To dry corn, select tender ears, husk and silk well, cut half way thru the grains and scrape off the remainder with a knife. Put the corn in a pan, place in the oven of the range until heated thru, then put on a cloth in the sun and cover with mosquito netting to keep out the flies. When thoroly dry put in paper sacks and store in a dry place.

Sallie Kratzer.

Lyon Co., Kansas.

Use tin, wood and pasteboard boxes for storing dried fruit.

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When Good Women Get Together

BY MRS. DORA L. THOMPSON
Jefferson County

Primary election gave the women in our township a chance to get together for a social chat. Each season seems busier than the previous one. The shortage of men has left many chores for women to do in addition to their extra work in cooking for harvest bands. Just how work is to progress and what methods are being used in different homes where the boys are called were the subjects most discussed. One condition that prevents the exchange of help is the shortage of water due to the exceeding heat and the long absence of heavy rains. Men may not easily leave home when water must be hauled, or pumping done or stock driven to water. Wells are falling in this locality that never were known to fail before and water for household use is in some places used almost by measure. Cars are being used in hauling cans of cool water for drinking purposes. We are reminded of stories of early times when neighbors hauled a barrel of water at a time from claim that was favored with a spring. Enough rain has fallen here to keep things growing until within the last two weeks. Since the first of August, however, everything has made rapid progress toward complete dryness.

These conditions account for the fact that we have found the preparation of our canning club exhibit a little difficult. We can easily fill the 200 cans but we wished to put up an exhibit that would represent this part of Jefferson county. Usually, we have good gardens and good fruit and an exhibit that would do justice to the county needs to be a good one.

Our exhibit will be made in two kinds of cans. We had planned to use economy pints but the Ez-Seal can manufacturers offered prizes for exhibits in their cans and as they offered to furnish the cans, too, we decided to use 100 of each kind. In labeling these cans, we are told to use uniform labels on the sides of the cans—all placed in the same relative position. On the side label the name of the product is to be given, the name of the club and the number of the team. On the bottom of the cans a small label is to be pasted bearing the surname of the senior member of the team that canned the product.

We have the privilege of sending a team to the state fair for demonstration work. Our team will can pork and beans with tomato sauce and tomatoes. The date is set for the second day of the fair. This is club day when all the boys and girls who belong to the different kinds of clubs are to be present. Under the direction of county club leaders, songs and yells have been learned that should gladden the heart of Mr. Benson, the national club leader for Northern and Western states, who is expected to be present.

There is no situation so trying but what by diligent search a person may find something for which to be thankful. Hot as the nights have been, the absence of mosquitoes is indeed a blessing. Many persons have spread blankets and slept on the ground, some on cots and some on hayracks. A hayrack with about a fourth of a load of hay covered with comforts is not a bad bed. Farmers do not need built-in sleeping porches so much as town people do. There is no comparison between crowded houses in town and the open, breezy dooryard of a farm for sleeping quarters on hot nights.

If we were building a house on a farm lying by a main traveled road, we should certainly set it back a good distance from the road. We have seen clouds of dust flying into the homes of some of our best housekeepers. Some of them have hung wet, open flour sacks over the screens. These catch the dust and tend to cool the room as long as they remain damp. In the hot wind, they soon dry. Others use a similar expedient for cooling a sick room. A sheet wrung out of water and stretched in a draft will help in lowering the temperature.

Dried Food Is Economical

The accompanying illustration shows a cook-stove fruit evaporator which we have used for a number of years, and consider one of our great-

est conveniences. It is made of galvanized sheet iron and galvanized wire screen, is easily kept clean and absolutely fly proof. Size, 12 by 20 inches; weight, 20 pounds; capacity, 1 to 3 pecks of fruit a day; cost, \$3.10. The cost would probably be a little more now. It covers half the top of an ordinary cookstove, so that the same fire that does the baking, ironing or cooking dries the fruit.



One must not expect a good quality of dried fruit from a poor quality of fresh fruit. The less fruit put on the trays at a time, the more quickly it will dry and the lighter it will be in color. Dried fruit is more nutritious than canned fruit; it is more economical because it requires less sugar and no cans; and it is easier work for the housewife. She can sit in an easy chair on the porch or in a cool room and prepare the trays, and after that there is little to be done but turn the fruit once or twice. Sweet corn is fine dried in this way but we put a thin piece of cheesecloth over the trays for corn. Mary Caldwell. Columbiana Co., Ohio.

For Those Who Sew

Ladies' three-piece gathered skirt 8871 has two large gores and at the left side there is an inset piece over which the edges of the front and back gores lap. A wide girdle finished with a sash adds a pleasing touch. Sizes, 24, 26, 28, 30 and 32 inches waist measure.

There are three styles of overblouses



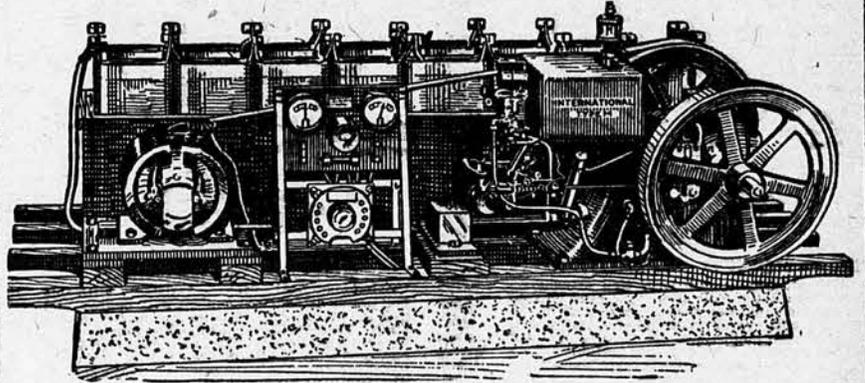
in 8885. No. 3 shows a shawl collar which extends into sash ends. One size only.

Girls' one-piece dress 8870 hangs straight and the front and back panels curve to form pockets at the sides. Sizes 4, 6, 8 and 10 years. These patterns may be ordered from the Pattern Department of the Farmers Mail and Breeze, Topeka, Kan. Price 10 cents each. Give size and number.

With crisp bacon, serve apples piping hot.

Narrow-necked bottles may be used for canning fruit juice.

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Light your house, barn and all your buildings with your own plant. Use electric fans, electric irons, motors and all other appliances. Current from your battery available day or night whether your machinery is running or not, at a cost less than city residents pay for their service.

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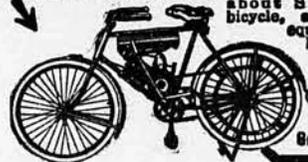
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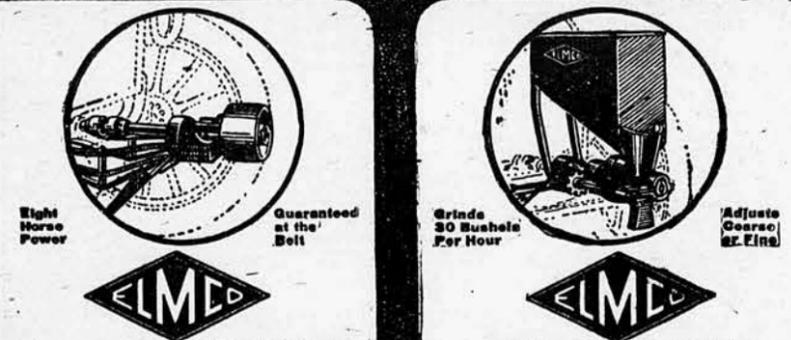
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BELT POWER ATTACHMENT
Your good FORD engine with this attachment gives you all the belt power you need on your farm to run your corn sheller, saw your wood, cut your ensilage, run your grinder, your pump, and saves you eight times its cost against the price of a regular 8-horse power portable gas engine. Attaches to your FORD crank shaft without use of bolts, nuts or screws.

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has a place in your farm equipment. No matter how large or small your farm, no matter if you own or expect to own a large tractor, you have a place for the GOULD. The investment is very small. It is not confined to one particular line of work but will operate where a heavy tractor cannot. Any person on the farm, from your boy or girl up, can operate it—and do the work of four horses. Thirty or forty minutes only are required to attach or detach.

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For Our Young Readers

We're the Happiest Kittens That Ever Lived

BY ROSA DeWALD

WE HAVE a lot of fun—my little brother and my little sister and I. We are three little kittens, and our names are Frisky, Tony and Tigle. My little brother, Frisky, is black with a white nose, a white neck tie, and white gloves and shoes, and my sister, Tony, also has a white tie, gloves and shoes, but a black face. My picture tells you more about my looks than a description could.

because sugar is scarce now and the sweetening can be added when they are ready to use the canned goods.

If you are helping mother can, write the Children's Editor of the Farmers Mail and Breeze, Topeka, Kan., telling about your success. If your letter is interesting you will receive a special prize.

They are All Serving Uncle Sam

Our mistress's name is Mrs. Brown, and we all love her dearly. The little girls, Edna and Alice, think there are no other playfellows just like us. I tell my brother, Frisky, that he ought not to be such a bad boy. Why, one day he really went up on the pantry shelf and helped himself to a piece of liver; he wouldn't give me even a little piece, and he does other naughty tricks, too. Sister Tony is a pretty good little girl, but one day she got on the table before the breakfast dishes had been washed.

We organized a Red Cross chapter in our school and we were all asked to join. Our teacher told us that if for some reason our plans could not be carried thru, our money would be returned to us, but I am glad to say that every pupil in the school joined. During the winter we made different articles for the Red Cross and we also did some knitting. At another time we were asked to give money to a war fund and our school gave nearly \$50.

I started to tell how nice the folks are to us, didn't I? I just couldn't help telling on Frisky, tho, because he doesn't seem to appreciate their kindness. I really never did anything worse than mix up the yarn when the new comfort was being made. That was so much fun, I couldn't help it.

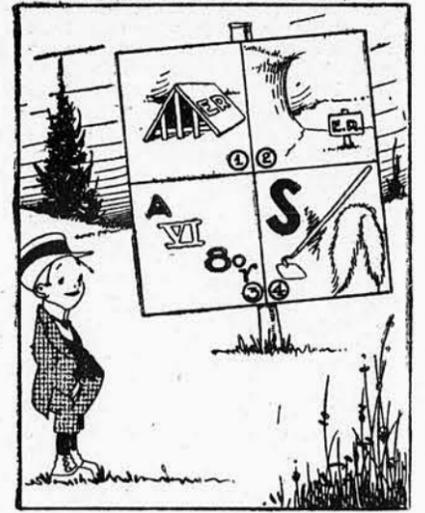


Our mamma hasn't come home for a long, long time, and I never can look at Mr. Brown but what I think he is to blame. My mamma got hurt when we were little babies, and she told us that the kind mistress fed us with a teaspoon, whatever that is—I didn't think to ask her. Anyhow they took good care of my mamma and at last she got well again, but now for a long time we haven't seen her. Many a time we have cried for her, and brother cries even yet sometimes in the mornings at the time when she used to come in with a nice little mouse for breakfast. Aunt Spot used to bring us nice little mice sometimes, but now she, too, is gone. But we will be big by and by and then we can ask Aunt Growler where the nicest mice are, and catch our own.

All of the pupils of our school planted government seeds. They used some of the vegetables and they are going to sell some of them and give the money to the Red Cross society. I have a very nice war garden. I hope that everyone will try to do as much as our school did.

I am 15 years old and am clerking in a store this summer, 7 miles from home. I graduated from the eighth grade with an average of 97 1/2 per cent and was awarded a special diploma as this was one of the highest grades ever made by a pupil of the eighth grade in this district. My graduation present from papa was a player piano. My father and mother are both dead and I was adopted. Anna Knoteschi, Lyndon, Kan.

OCCUPATIONS



The pictures in this puzzle represent four occupations. If you can guess them send your answer to the Puzzle Editor, Farmers Mail and Breeze, Topeka, Kan. Packages of postcards will be awarded the first five boys and girls sending correct answers.

Are You Helping Mother Can?

Have you been helping Uncle Sam by conserving food for winter use? Boys and girls all over the United States are proving to be their mothers' standbys this summer by canning the surplus fruits and vegetables.

The answer to the puzzle in the July 31 issue is elephant. Prize winners are Florence Holt, Bridgeport, Kan.; Arthur Harzmann, Preston, Kan.; Ruth Redding, Minneola, Kan.; Leighton Schoonover, Holton, Kan.; Irene Ramey, Paola, Kan.

Cue Stambaugh of Bowie, Tex., 11 years old, has canned \$300 worth of fruit. She writes that she canned 900 jars of fruit and gave it to the Red Cross, finishing the work in a week. Jimmy Thronton, a 12-year old boy of Stockton, Mo., raised a big war garden and helped his mother can some of its products. Part of them are being kept for winter use and part of them went to the Red Cross. Helen Jenkins of Shattuck, Okla., says that she is canning most of her fruits without sugar,

What It Needed
"Of course," said the landlord, "the place looks dingy and dirty, but I'll be glad to repaper it for you according to your own taste. Would you—er—would you have any suggestions to make?"
"Why, yes," said Mrs. Sniff. "I would suggest sandpaper."
—Grit

Save the Oil and Gas

Owners of Motor Cars, Trucks, Tractors and Power-Machinery Must Aid in the Fight for Conservation

THE APPOINTMENT of C. C. Win-
ningham, of Detroit, as Chief of
the Gasoline Section and Director
of Publicity of the Oil Division for the
Bureau of Oil Conservation of the
United States Fuel Administration has
just been announced by W. Champlin
Robinson, the Director. The appoint-
ment is an excellent one and the gov-
ernment is to be congratulated on be-
ing able to obtain the services of a
man so well qualified for this work.

Mr. Winningham is one of the prin-
cipal stockholders of the Hudson Motor
Car Co. and has had charge of the
merchandising of its product for the
past eight years. His sympathies are
with the automobile owner and in tak-
ing charge of gasoline conservation he
sees hope in continuing the present
supply of gasoline and lubricating oils
for automobilists, motor boat users,
and others, if they will only recognize
that in joining in the campaign to
eliminate all waste, they will assure
their supply and obviate the necessity
for a control that would curtail the
operation of cars.

Stop the Leaks

The last thing wanted is the need
to put the nation on oil rations. "Stop
the leaks and save the drops is the
key to the situation," says Mr. Win-
ningham.

Under Mr. Winningham's direction
will fall work of eliminating the waste
of gasoline by distributors and users,
the use and conservation of lubricat-
ing oils, and the inauguration of
methods for the reclamation of oils
that have been used.

The Oil Division of the United States
Fuel Administration thru the methods
of education and publicity is seeking
to avoid the necessity for enacting drastic
rules which would result in the regula-
tion, sale, and use of these essential
products.

The demands of the War call for a
tremendous increase in the supply of
gasoline, kerosene and lubricating oils.
The increased requirements can be
met, it is believed, if the public will
only join hands in eliminating the
careless waste now existing.

Leaks and spilling must be elimin-
ated, and evaporation thru leaving
tanks and cans open must be stopped.

Motorists will have to stop the use
of gasoline for washing parts of their
cars, clothes, or hands; they must
cease racing their motors, and running
their engines when cars are not in
motion, such as waiting at railroad
crossings and the like.

Truck operators will be required to
conserve gasoline by using every means
that will increase their mileage. Garage
operators and automobile mechanics
are to be instructed how they can
eliminate waste.

The oil that is drained from crank
cases, differential and transmission,
all possess a commercial value and
must not be thrown away. Even the
residuous oil used in cleaning must be
saved for it too can be reclaimed.

Drastic Remedies If Necessary

Carburetors should be adjusted to
operate on the thinnest possible mix-
ture. Cut-off cocks should be installed
in the gasoline line next to the car-
buretor with control on the cowl of the
car so that the supply of gasoline may

be entirely shut off in coasting. The
saving such a device will effect will
be great and soon would more than
off-set the cost of making such an ad-
dition to the car.

If these things are done by everyone
if is hoped there will be sufficient
gasoline and lubricating oil to meet our
war needs without interfering with the
operation of passenger cars at home.
But failure on the part of everyone
who has anything to do with the pro-
duction, handling and use of all oil
products will necessitate drastic en-
forcement of regulations that probably
would mean gasolineless days and
other methods of conservation.

Navy Exhibits at Fairs

To acquaint more thoroly the people
of the country with the part the U. S.
Navy is taking in the War an elaborate
exhibit with equipment and accoutre-
ments of the service is to be made this
summer at the larger fairs throuth
the nation. The display will be made
in connection with that of the Joint
Committee on Government Exhibits
which includes the various departments
and activities of Federal work. Five
circuits are to be covered.

The exhibit will be shown at the
following fairs: Sedalia, Mo., August
10 to 17; Des Moines, Ia., August 21
to 30; Hamlin, Minn., September 2 to
7; Milwaukee, Wis., September 9 to
14; Oklahoma City, Okla., September
21 to 28; Wichita, Kan., September 30
to October 12; Waco, Tex., November
2 to 17.

Grazing Crops for Hogs

Hog pastures conserve grain and
produce cheaper pork. Hog raisers
should plan a succession of crops to be
harvested by the hogs feeding on them
in the field or "hogged down." Early
cowpeas, soy beans, and sorghum
planted in the summer in narrow rows
and cultivated once or twice will pro-
duce good fall pasture for hogs.

A wide variety of crops can be
planted in September for late fall and
winter grazing. Oats, barley, rye,
vetch, Crimson clover, Bur clover, Red
clover, Cow-horn turnips, or rape can
be planted in all parts of the South,
either separately or in combination,
and will produce excellent pasture for
hogs.

Kansas Map to Readers

We have arranged to furnish read-
ers of Farmers Mail and Breeze with a
Big Wall Map of Kansas. This large
map gives you the area in square miles,
and the population of each county;
also name of the county seat of each
county; it shows the location of all
the towns, cities, railroads, automobile
roads, river and interurban electric
lines, and gives a list of all the prin-
cipal cities of the United States, with
their population. For a short time
only we will give one of these big
wall maps of Kansas free and post-
paid to all who send \$1.00 to pay for
a one-year new or renewal subscription
to Farmers Mail and Breeze. Every
citizen of Kansas should have one of
these instructive wall maps. Address
Farmers Mail and Breeze, Topeka, Kan-
sas.—Advertisement.

BOYS! BOYS! GIRLS, TOO!

SOLVE THIS PUZZLE!

**\$1,000
IN
PRIZES
GIVEN
AWAY
FREE**



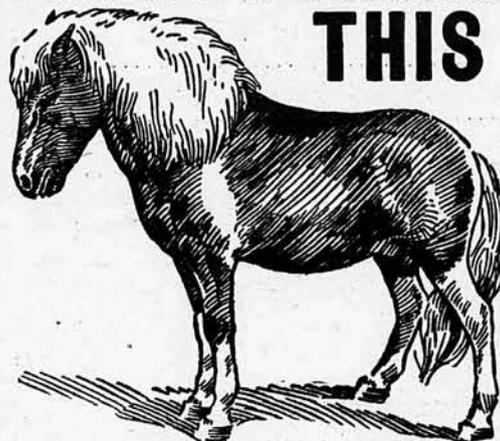
\$250.00

CULVER RACER AUTO "FIRST GRAND PRIZE"

**Not a Toy
But a Real Gaso-
line Automobile**

BUILT LIKE THE BIG RACERS
Capacity—Carry two pas-
sengers.
Frame—Pressed ch. steel.
Steering Gear—Wood with
metal spider.
Wheels—Wire inter. ball-
bearing 20x2 clinch rim.
Tires—Culver non-skid.
Clutch—Foot pedal, h.-b.
Axles—Crucible steel.
Gas Tank—22 gal., r. 60 m.
Wheel Base—55 in.
Springs—Cantilever, elliptic
Speeds—5 for., 3 reverse.
Brake—Foot and hand.
Sprockets—12 cooled 5 h. p.
Weight—260 pounds.
Speed—Up to 25 miles.

This fine little automobile is built especially for boys and girls. You can learn to run it in an hour's time. No complicated parts to get out of order and is perfectly safe for a child of 8 years. This little Culver Racer will do anything a full-sized car will do because it is built in proportion to a big car. Have been giving these little automobiles away for several years, and they are giving the very best of satisfaction. The Culver Racer not only affords a world of pleasure for boys and girls but is also a real necessity. You can run errands, take things to market, go after the mail and just do anything with a Culver Racer—all you have to do is to crank it, jump in and go—further information and complete specifications will be sent you. Some girl or boy is going to be the proud owner of this fine Culver Racer at the close of this club—why not YOU—solve the puzzle below and get in on the ground floor.



THIS IS "NED"

**Second Grand Prize
Value \$100.00**

Here I am—I am wondering
what nice little boy or girl will be
my master at the close of this
club. My name is "Ned", I am 4-
years old and about 40 inches high;
I am real black with four white
feet and some white in my mane
and tail. We do not show a very
good picture of "Ned" but he is a
mighty pretty little pony and loves
nice Boys and Girls and wants a
good home. We gave "Ned's" little
brother away last month to a nice
little girl just 8 years old, and I
just wish you could know how
easily she won him. Don't fail to
join my club—solve the puzzle be-
low and write TODAY.

How Many Words Can You Make?

This puzzle is a sure prize winner—absolutely everyone
in this club wins. It is not hard either—just a little in-
genuity and skill. The puzzle is to get as many words
as possible out of the letters herewith given. Use only
the list given, and only as many times as they appear in
this ad. For instance, the letter Y appears three times,
so in all your words you must not use Y more than three
times. If you use Y twice in one word, and once in an-
other, you cannot use Y in any other word as you have
already used it as many times as it appears in this ad-
vertisement. It is not necessary that you use all the let-
ters. The puzzle looks
easy and simple, but
if you can make as
many as 12 or 15
words, send in your
list at once, as the
person winning first
prize may not have
more than that many.

**A N O E O Y R S
T F L M I M R A
O O A I N M T O
M O F I A E B L
Y A P B I N O H
G N O S A A O T
T A A C R B O Y
A R M N A N T W**

A TOTAL OF 15 GRAND PRIZES

1. \$250 Culver Racer Automobile.
2. Shetland Pony "Ned" value \$100.
3. \$75 in Gold.
4. \$50 in Gold.
5. 17-Jewel Elgin Watch 20 year case.
6. 17-Jewel Elgin Watch 20 year case.
7. 15-Jewel Elgin Watch 20 year case.
8. 15-Jewel Elgin Watch 20 year case.
9. 7-Jewel Elgin Watch 20 year case.
10. 7-Jewel Elgin Watch 20 year case.
11. 3 1/2 x 4 1/2 Folding Eastman Kodak.
12. 3 1/2 x 4 1/2 Folding Eastman Kodak.
13. 3 1/2 x 4 1/2 Folding Eastman Kodak.
14. Ladies' or Gents' Fine Wrist Watch
15. \$5.00 in Gold.

OUR OFFER

We are the largest mag-
azine publishers in the
West, and are conduct-
ing this big "Everybody Wins" word building
contest in connection with a big introductory and
advertising campaign, whereby we will give away
15 grand prizes as listed in this advertisement,
and we want to send you sample copies and full
particulars as to how to become a member of
this contest club and be a sure winner. We give
100 votes in this contest for each word you make.
To the person having the most votes at the close
of the club, we will give the Culver Racer Auto-
mobile first prize, value \$250.00; to the second
highest we will give the Shetland Pony "Ned"
second prize value \$100.00; to the third highest
\$75.00 in gold, and so on until we have awarded
the 15 grand prizes as listed in this ad.

Notice: Every new member this month also receives a beautiful GENUINE GOLD
FILED SIGNED RING GUARANTEED FOR 5 YEARS FREE AND POSTPAID,
JUST FOR PROMPTNESS. Anyone may enter this club, and there was never a
better offer made especially to boys and girls. Please bear in mind there is ab-
solutely no chance to lose; POSITIVELY EVERY CLUB MEMBER WINS. If there
should be a tie between two or more club members for any of the prizes, each tying
club member will receive prize tied for. Get an early start—send in your list TODAY.

BILLY FRENCH, Mgr., 731 Capper Bldg., Topeka, Kan.

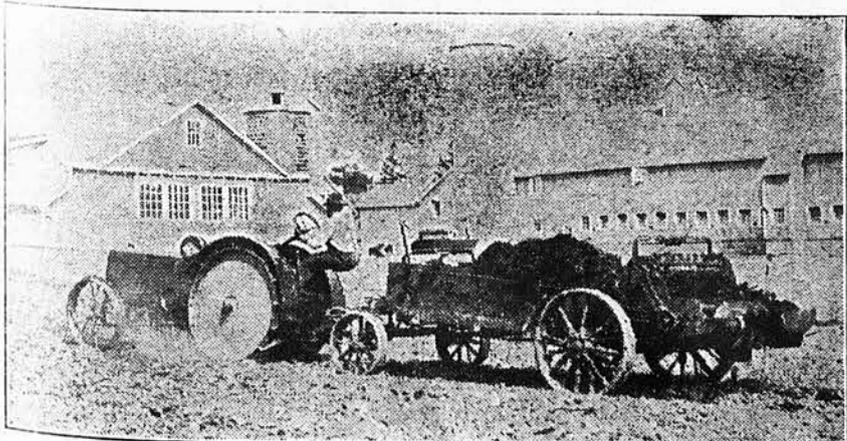
"Blunders of a Bashful Man"

The World's Funniest Fun Book FREE

You will laugh, you will scream at THE BLUNDERS
OF A BASHFUL MAN as told in the world's champion
funny book. It banishes care and by its laughter, com-
pelling mirth and irresistible humor rejuvenates the
whole body. In this screamingly funny volume the
reader follows with rapt attention and hilarious delight
the mishaps, mortifications, confusions and agonizing
mental and physical distresses of a self-conscious bash-
ful young man, and ludicrous predicaments, that con-
vulse the reader with laughter, causing him to hold
both sides for fear of exploding from an excess of up-
roarious merriment.

FREE OFFER This funniest of all funny books will
be sent you free, by mail, postpaid,
upon receipt of only two 6-months' subscriptions to Capper's Weekly at 25
cents each, 50 cents in all. Capper's Weekly contains departments and items
of interest to every member of the family.

CAPPER'S WEEKLY, DEPT. F. B. 31, TOPEKA, KANSAS



The Tractor and the Manure Spreader Make a Good Combination, on Every Well Managed Grain and Livestock Farm in Kansas.

The Chance of a Lifetime

For You to Receive Four Splendid Newspapers and Magazines

For \$1.60 a Year

FARMERS MAIL AND BREEZE universally recognized as the ablest world. The Mail and Breeze is the oldest, largest and best farm paper in the West and has more and better departments devoted to the various interests of the farm than any other paper in its vast field. It is handsomely printed, on good paper, with high grade ink, giving its illustrations a brilliancy and life-like appearance unsurpassed in western agricultural journalism.

CAPPER'S WEEKLY a great, general family newspaper, with an abundance of the most interesting literary and miscellaneous reading matter for old and young.

HOUSEHOLD MAGAZINE the standard monthly periodical for the housewife and her children; replete with beautiful poems, interesting stories, timely editorials. Its aim is to brighten the home, save money and labor for the home-maker, advise and instruct her on all household problems and furnish reading for her leisure hours.

McCALL'S MAGAZINE is soon to be \$1.00 a year. The current number, with its bigger size, beautifully printed cover, charming stories, and the famous McCall fashions, makes McCall's at once the greatest magazine ever published at less than \$1.50 a year.

THIS SPECIAL 10-DAY OFFER

makes it possible for you to receive four well known periodicals for just a trifle more than the price of the new McCall's Magazine, America's greatest dollar magazine.

SUBSCRIBE TODAY, USING THIS COUPON

Publisher Farmers Mail and Breeze, Topeka, Kansas.

Enclosed find \$1.60, for which please send me the Mail and Breeze, Capper's Weekly, Household Magazine and McCall's Magazine for one year.

Name.....

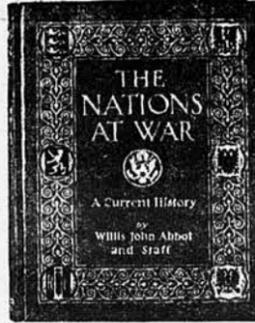
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The Nations at War

The Greatest War Book Ever Published

In twenty-four hours after the time when war was seen to be inevitable, Germany had in the neighborhood of two millions of armed men on her frontiers. In the art of swift mobilization the Germans—but let the book tell you the rest of the story. The book contains 424 pages of educational and interesting reading matter by the well-known writer, Willis J. Abbot and a staff of photographers, foreign agents and writers of authority on International Relations, Military and Naval Tactics, History, Armament, Geography, Topography, Languages, Ethnology, Food Supply, and all the other phases of the World's Greatest War. Illustrated with many full color photographs, from private sources, Maps, Charts and Diagrams. Size 8x10 1/2 inches printed on first grade enamel paper.



An Offer You'll Appreciate

We will mail the book postpaid with a 3 year's subscription to Farmers Mail and Breeze at \$3.00. The most interesting book ever published. We guarantee satisfaction.

Farmers Mail and Breeze, Topeka, Kansas.

Gentlemen: Enclosed find \$3.00 for which please enter my subscription to Farmers Mail and Breeze for the term of three years and send me the big 424 page war book free and postpaid.

Name.....

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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

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Dear Sir—Please find enclosed \$1.00, for which send me the Farmers Mail and Breeze for one year. \$2.00
three

My subscription is.....
(Say whether "new" or "renewal")

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SUNDAY SCHOOL HELPS

BY SIDNEY W. HOLT

Lesson for August 25. Speaking for Christ. Luke 12:8-12. Acts 1:1-8. Golden Text. Every one who shall confess me before men, him shall the Son of man also confess before the angels of God. Luke 12:8.

From "over there" in France new ideas constantly are coming back to make us change so many of our old time set rules. Today a man spells Christianity thru the service given, for our daily lives are the biggest speaking testimony one may offer for Christ. Not just mere empty words, for words are empty without the follow-up system of deeds, but the inspiration of an every day life.

To speak against the Son of man is to say evil of Jesus as a person seen in the world, but not really understood and appreciated; to blaspheme the Holy Spirit is to rail against the light within and deny the divine and good in our own conscience. Blasphemy against the Holy Spirit is unpardonable because the heart of the sinner is too hardened to ask for pardon. But no one who is in awe of God, who loves him and wants to serve him, has committed the unpardonable sin. The very fear that one has committed it often is proof that one has not.

Sometimes the tongue, which is so powerful for good, is equally powerful for evil and these points are quaintly described in some old oriental poetry.

The boneless tongue, so small and weak,
Can crush and kill declares the Greek.
The tongue destroys a greater horde.
The Turk asserts, than does the sword.
A Persian proverb wisely saith,
"A lengthy tongue—an early death"
Or sometimes takes this form instead,
"Don't let your tongue cut off your head"

Thruout the entire New Testament one is constantly finding rules concerning the governing of the tongue, for it seems to be an unruly mischief maker and few of us realize just what great harm even a sincere Christian tongue often does. The little word unthinkingly spoken can raise mountains of doubt, fear and despair.

Sarcasm, many think proves a brilliant mind. On the contrary, Carlyle says, it is the natural language of the Devil, while Paul, one of the most tactful and courteous and educated men advises us "Let your speech be always with grace, seasoned with salt," that is, both winsome and wise, for courtesy is never weak.

Our Christian teaching should be very simple and to the point. Christ has said that we are to give account in the day of judgment for every idle word that we have spoken. This does not mean that we are always to speak solemnly, instructively, or with careful deliberation. It does not necessarily mean to forbid gay speech or merry talk, but it does forbid foolish, silly talk, empty gossip, heartless slander and it calls upon us in our lightest moments even to remember "whose we are and whom we serve."

Praise is better than blame, and encouragement is better than warning. With our baptism we testify before men our acceptance of Him who has promised when we confess Him before men that He will confess us before the Father, but it is by our daily life that we can show just how much we confess Christ, for it is the Christ within us that gives us the strength to set aside the petty temptations and only as we have Him within can we reveal Him unto others. The words of our tongues are idle if we cannot back them up with our deeds.

Buys Osborne Harvesters

The purchase of the Osborne line of harvesting machines including grain and corn binders, reapers and mowers with all repair parts and fixtures needed for these machines has just been made by the Emerson-Brantingham Company of Rockford, Ill. These machines until recently have been handled exclusively by the International Harvester Company. This sale was made by the International Harvester Company in accordance with its recent agreement with the U. S. Government to comply strictly with the provisions of the Sherman anti-trust law.

C. S. Brantingham, President of the Emerson-Brantingham Company in speaking of the purchase says: "We

have long felt the need of grain and corn binders to make the E. B. line complete and enable dealers to procure their full requirements at one time should they so desire. We feel we are particularly fortunate to enter this field without loss of time in experimenting. No line of harvesting machines is entitled to greater confidence of the trade than the famous Osborne line that has been well and favorably known by farmers for over 50 years."

County Agent Folker Resigns

The farmers of Shawnee county were very much surprised last week to receive the resignation of A. D. Folker as their county farm agent. Mr. Folker resigns to accept the position of assistant state agent with the Missouri university at Columbia, Missouri, where he will receive a larger salary and have a wider field of usefulness.

Mr. Folker has been the farm demonstration agent of Shawnee county for the past year and has done excellent



A. D. Folker, County Farm Agent.

work for the farmers. This is the first year that Shawnee county has had a farm bureau and its farmers regret to have any break in the work at this time. A new county farm agent will be selected at an early date. Mr. Folker made many friends in the county who wish him well in his new field of work.

With all stock the profitable line of production is to maintain good health with early maturity.

A Little Home's Fight

Here is a letter from the wife of a working man in a Kansas town. She has a son now on the battle line in France:

We can hardly pay our bills and live. Just think of having to pay \$1.25 for a broom, and not a good one at that, cheese 60 cents a pound, and everything else in proportion. Every time the men get a little raise, our necessities go up again. We Hooverize and save all we can.

The God in heaven meant we should have enough to eat and wear and a little left for a rainy day. Please help us, for we surely need it.

Our statesmen, and those who do not have to exist on a little less than a living income these times, do not realize to what grievous straits the profiteer has brought about half the homes in the land. But our statesmen should know it and remedy it, for that is their special business.

What are these people to do this winter if we do not crack down on the greedy traitors who hold them up for from 100 to 600 per cent profit for the common necessities? Congress and the government must get mighty busy with this problem. It calls for an 80 per cent war profit tax, thoroughgoing price regulation of all common necessities, and a big elm club used freely and promptly.

Fitting Birds for Shows

BY G. D. M'CLASKEY

With the beginning of fall fairs, poultry breeders are watching their birds closely for the purpose of selecting the best specimens to exhibit. If one is to win, especially where a number of birds are competing for premiums, considerable care must be taken in the selection and conditioning of the stock to be shown.

The coops in which the birds are exhibited should be of standard size, 2 1/2 feet high, 2 feet deep and 2 feet wide for a single bird or pair, and the same height and depth, but 4 feet long for an exhibition pen of four females and one male. Remember that a good bird does not show well in an unsightly coop, while an inferior bird may look very good when shown in an attractive exhibition coop. The first thing after selecting the birds nearest the standard requirements in shape, color, and size is to look for disqualifications, the most common of which are side sprigs on single combs, stubs on the shanks of smooth legged varieties, wry tails, squirrel tails and crooked backs. The birds should be placed in training cages or pens similar to those used at the poultry shows. The bottoms of the cages should be covered with a litter of shavings or cut straw which can be removed frequently.

Begin a few weeks before the show and take the birds from their roosts every evening and place them in the separate training pens for the night. At first leave them quiet for an hour or two and then, by lantern light, stroke each bird quietly over the back and from the throat to the thighs. After it is accustomed to the hand, use a small thin stick and teach it to pose in the desired position. With patience and kind treatment it is surprising how quickly birds learn to do what is expected of them.

All white birds should be washed; in fact, washing improves any of the long-feathered varieties.

Importance of Feeding

Feeding also is a very important point to consider. For the small-combed varieties a feed of oats, corn and feed wheat, with a light feed of wet mash at midday, is very good. For some of the large-combed breeds, such as Leghorns and Orpingtons, do not use meat, as it forces the comb to grow too large and may cause it to turn over. A feed of bread, soaked in milk once a day helps the plumage wonderfully. All birds should have plenty of grit and a little green feed. Chopped onions help to keep them in good condition.

Just before sending the birds to the show their combs, legs and feet should be sponged with clean water and dried with a soft cloth. A little sweet oil on the combs and faces greatly improves their appearance.

Another point that many breeders do not understand is the proper shipping and tagging of their birds in suitable carriers. Some use entirely too small crates or coops, and others use large, heavy boxes that cannot be handled by one man. The express employes handle them rather roughly and the birds come to the show with feathers broken and in bad condition. Always be sure that the tags with your name and that of the poultry show and the destination are securely fastened on the crates. It is well also to have a number on the tag to correspond to the leg band on your fowl. In that way you will be reasonably sure to have your birds returned in the coops in which you shipped them.

The Kansas Free Fair

The Kansas Free Fair will be a great educational war-fair. It will open September 9 and will continue thru the week with interesting programs every day and every evening.

In the People's Pavilion patriotic and educational demonstrations will be given and silver tongued orators, fired with the sincere purposes of war activities will address the masses. Every night before the big grand stand and from a specially constructed stage with perfected sounding boards, music and singing will mark the celebration of America's contribution to the cause of Democracy.

"The World at War," a stupendous war spectacle, will be given every night. It will portray faithfully trench

warfare, and will show observation balloons, Zeppelins, and a fleet of airships. It's the most wonderful product of genius the West ever has seen, a monster affair full of intensity.

The needs of the country at war will be evident in the classification of exhibits. The Kansas Free Fair is co-operating with the War Department, Navy Department, Department of the Interior, the National Food Administration, the Red Cross and other war activities.

The United States Government War exhibit in itself is strikingly patriotic and educational, and teaches greatest lessons to those who desire to do their full part in these trying times.

The Program

Monday will be Topeka Day. All exhibits will be complete, and judging will begin. The Kansas Derby will run over the fastest half-mile track in the West, as a feature of the horse races which start at 2 o'clock in the afternoon. Band concerts will be given thruout the entire day, and the grand opening of the Sunflower Trail will occur at 1 o'clock. At 8 o'clock in the evening The Modocs—The Bands—La Codona, Walter Stanton & Co., Lionel Le Gare, and the first presentation of "The World at War" will thrill the crowds.

Tuesday is Farmers' and Stockmen's

Day. In the People's Pavilion addresses and demonstrations will be given by representatives of the Kansas Agricultural college, the Farmers' Union, State Grange, Kansas Cattle-men's association and the Kansas Improved Stock Breeders' association. Special canning demonstration in the afternoon by Kansas Mothers' and Daughters' club. It will also be Children's Day. Special plans have been made for a striking demonstration of child life and activities. Judging, horse races, band concerts, livestock parade and a grand war spectacle will be features in the evening.

Wednesday is Good Roads Day, with addresses and road building demonstrations. It also will be Fraternal Day and will feature the usual educational and patriotic interests.

Thursday is Defense Day and will be participated in by the U. S. Army, Kansas National Guard, Council of Defense, G. A. R., Ladies of the G. A. R., Navy League, Red Cross, Sons of Veterans, Spanish War Veterans, Boy Scouts, Camp Fire Girls, Daughters of the American Revolution, Loyal Legion and other organizations.

The automobile races begin on Friday, following four days of sensational horse racing. A grand parade of prize winning livestock will be held on the track at 1 o'clock. This also will be Old Settlers' Day with its usual pro-

gram. Other features will be food demonstrations in the People's Pavilion and the great war spectacle, band concert, vaudeville and musical program as usual in the evening at the Stadium.

Saturday will be Automobile Race Day, with big carnival on the Sunflower Trail. Added features and events will mark this last day of the great fair. Evening shows will be given as usual.

In citing the daily routine of this greatest Western fair, the Free Fair of all Kansas, there isn't an idle moment for the strength and interest of every activity and every exhibit marks a positive contribution to Kansas-in-the-war.

Treating the Heated Horse

Do not bleed horses that have fallen from sunstroke or heat exhaustion. Apply ice or very cold water to the head and spine. Give 1/2 ounce of carbonate of ammonia in 1 pint of water as soon as the animal is able to swallow freely. Repeat the dose in 1 hour if the pulse has not become slower. Showering the horse with cold water from a hose is good treatment, and should be repeated until the body temperature is reduced to 103 degrees F. It helps in some cases to rub the legs briskly with wisps of hay or straw.



**"Hurrah!
Dad Got the
Whole Avery Outfit"**

WHEN the "whole Avery Outfit" arrives on your farm you can say good-bye to a lot of expense and look forward to bigger crops and more profits. Your work will be easier and more interesting.

The "Whole Avery Outfit" Will Give You

- an Avery Tractor for doing your heavy work, such as plowing, preparing the seed bed, harvesting your grain crops, and road work,—
- an Avery Motor Cultivator for planting and cultivating your corn, beans, cotton, and other row crops,—
- an Avery Grain-Saving Separator for threshing your grain, clover, kaffir corn, rice, etc., and putting it where it belongs, in the wagon box and not in your straw stack,—
- an Avery Plow in either light or heavy style to fit the soil conditions on your farm.

Power For Every Size Farm

Avery Tractors are built in six sizes. You can get a size Avery Tractor to exactly fit your size farm. The five sizes from 8-16 h. p. to 40-80 h. p. fit all farms from the average up to the largest sizes. The little 5-10 h. p. is built especially for small farms or for doing the light work on larger farms. You can also get an Avery Plow in any size from two to ten bottoms. Avery Threshers are built in small, individual sizes as well as for large threshing runs. The Avery is the one complete standardized line of farming, threshing, and road building machinery.

It is built entirely in the Avery factories and is backed with Avery service through Branch Houses and Distributors covering every state in the Union.

The Tractor that turns Kerosene Into Gas

You want a real kerosene burning tractor. That is what you get in the Avery. They are the only tractors with a Duplex Gasifier fuel system. It does the trick—turns kerosene into gas.

Avery's are the tractors with the patented sliding frame transmission that makes expensive intermediate gears, shafting and bearings, unnecessary. The tractors with the renewable inner cylinder walls. The tractors with the adjustable crankshaft bearings. The tractors with the low-speed tractor motor specially designed for field work or belt work, etc.

Write for the Avery Catalog

The Avery catalog shows the complete Avery line of motor farming machinery in their natural colors and gives you valuable facts on motor farming. Let us put you in touch with the nearest Avery dealer. Address

EVERY COMPANY, 7518 Iowa St., Peoria, Ill.

Branch Houses, Distributors and Service Stations in Every State in the Union and in more than 60 Foreign Countries

AVERY
Motor Farming, Threshing
and Road Building Machinery

**There's a Size Avery Tractor
For Every Size Farm**

**Five Sizes
One Design
Standardized**

TOM McNEAL'S ANSWERS

Slackers

What is a dependent parent? Is it one who owns a farm, well stocked, a stockholder in a bank; owns a touring car, and is it all right for this same person to put in a claim for exemption on account of agriculture; a dependent mother and sister and be placed in class 3? Also to whom should slackers be reported? KANSAS READER.

Of course such a person as you describe is not a dependent parent. Evidently the person making the claim for exemption has determined not to overlook any chances to escape service, but probably has overdone the business and lessened his chances. The proper tribunal to which to report cases of slackerism is the District Draft Board, Topeka, Kansas.

Garnishment

A owns a farm and does general farming. His wife assisted in starting the business by supplying some of the capital. After marriage she taught school and contributed from her wages to the business of the farm. She has been accustomed to selling farm produce and using the proceeds as her own. She had a separate bank account. She decided recently to paint the farm buildings. B is a painter whom she hired. After painting some he consented to postpone the painting and assist in the harvest field. Last Friday for the first time he was sent to the harvest field. A few minutes later a constable appeared and served a garnishee sum-

mons on A, garnisheeing the wages of B in favor of a dentist, C. A told the constable that he was not owing B anything, but did not mention B's account against his wife. B demanded his wages from A's wife and she gave him a check for \$35. Can C compel A to make good to him the amount of B's wages? The summons was directed to A. G. L. W.

I do not think so. A's wife had a perfect right to make contracts in her own name independently of her husband.

Hanging the American Flag

In hanging the American flag should the blue field always be to the left? S. C. J.

That is my understanding.

Question of Citizenship

A came from England and married B who was a natural born citizen of the United States. A did not take out any naturalization papers. A and B were divorced. There were three children, of whom B was given the care and custody. Are the children and B citizens of the United States? SUBSCRIBER.

If the children were born in the United States they are citizens notwithstanding the fact that their father did not become naturalized. B having been born in this country is of course a citizen.

Right to Teach

Will the laws of Kansas permit a person to teach with one year of high school work? MISS E. C.

The laws of Kansas permit the granting of a third grade certificate without any high school work. It is

necessary to have what amounts to a year of high school work in order to get a second grade certificate but this does not mean that it is actually necessary to attend some high school for one year. The party may master the required subjects outside of high school and pass the required examination.

Rural Mail Route

1. What steps does one have to take to get a rural mail route?
2. Does he have to take the examination for a certain route or take a general examination and wait his turn?
3. Do the applicants have to leave their names with the postmaster?

SUBSCRIBER.

File your application with the postmaster and take the civil service examination.

The examinations are general, and not for each particular route.

Soldiers' Wives

1. If a girl marries a man just before he is taken in the draft does she get \$15 a month from the government?
2. Does the husband or wife have to apply for the allowance?
3. Will all soldiers or their wives receive pensions after the war?
4. If a wife is a book-keeper at \$50 a month can she get her allowance from the government? Will one-half her husband's wages come to her against his will?

SUBSCRIBER.

1. Yes.
2. The wife should make application to the War Risk Insurance Bureau, Washington, D. C.
3. Pensions will be paid only in case

of death or disability. If a soldier dies while in the service his widow is entitled to a pension of \$25 a month. If he leaves a widow and one child she receives a pension of \$35 a month. A widow with two children will receive a pension of \$47.50 a month and if there are more than two children \$5 a month for every additional child. If the soldier is disabled he will receive a pension ranging from \$30 a month up to \$100 depending on the size of his family and the extent of his disability.

4. Yes.

Enlisting in the Navy

A wishes to enlist in the navy but has a wife and three children, a boy 8 years old, one of 5 and a baby 20 months old. How much would the wife and little ones receive from the government, how much pay would the husband get, and how much would he have to send her?

ADMIRER OF THE PAPER.

It is rather doubtful whether the government would accept a man for naval service situated as A is. The navy is looking for men not burdened with families. If he were accepted he would go as a second class seaman, his first pay being \$32 a month. When he is advanced to first class seaman his pay will be advanced to \$38 a month. He will be required to take \$10,000 insurance for the benefit of his family. The cost of this will vary slightly according to age but probably will be about \$10 a month. The government would make the wife and three children an allowance of \$40 a month and \$15 a month out of the sailor's pay. As I have said it is quite probable the husband will not be accepted, but for definite information write the naval recruiting station either at Kansas City or Topeka, giving all the particulars in regard to age, size of family and so on.

Patent Medicine

I should like to know whether a patent medicine firm which offers a reward to any one who can supply proof of a case which its medicine did not cure, can be made to give the reward as agreed. I have written several letters to the firm but without result. SUBSCRIBER.

If the firm is financially responsible it can be made to keep its agreements. If the firm is making the representations you say, it should be prosecuted for obtaining money under false pretenses.

Wants Military Opinion

From a military standpoint were the first four drives made by the Germans on the West front a victory for the Germans? SUBSCRIBER.

I am not a military expert. It seems to me that the drives were partly victorious for the Germans, and partly failures. The Germans gained a large amount of territory but failed to reach their objective.

Finding Hidden Gold

Is there an instrument with which to find hidden or lost gold? If so where can I get it? L. A. M., St. Joe, Mo.

If there is an instrument advertised as having this magic power it is a swindle, and whoever advertises it should be prosecuted for using the mails to defraud.

A Question of Teeth

If a man is considered fit in other respects will he be accepted for military service in the United States, if he has false teeth? O. T.

Our War Department informs me that a man may be admitted to the service even tho he has false teeth provided they fit.

Is She An Alien?

If a German alien marries an American born citizen in the United States does she have to register as an alien? C. A. B.

No, she does not have to register.

SPECIAL TEN DAY OFFER

Our Big Weekly on Trial Ten Weeks for 10 Cents

Readers of the Farmers Mail and Breeze can receive a big Western Weekly, ten weeks for only 10 cents. Capper's Weekly is the biggest and best general home and news weekly published in the West. Contains all the latest war news, also the political news of the State and Nation. Review of the week's current events by Tom McNeal, interesting and instructive departments for young and old. This is a special ten day offer—ten big issues—10c. Address Capper's Weekly, Dept. M. B., Topeka, Kansas.—Advertisement.

A stitch in time saves nine.



Hog Serum That Is More Sure to Prevent Cholera

The more concentrated anti-hog-cholera serum is, the surer it is of being potent.

Because clear (refined) serum is necessarily more concentrated, the U. S. Bureau of Animal Industry has issued an order which prescribes that doses of bloody (unrefined) serum must be at least one-third greater than clear (refined) serum.

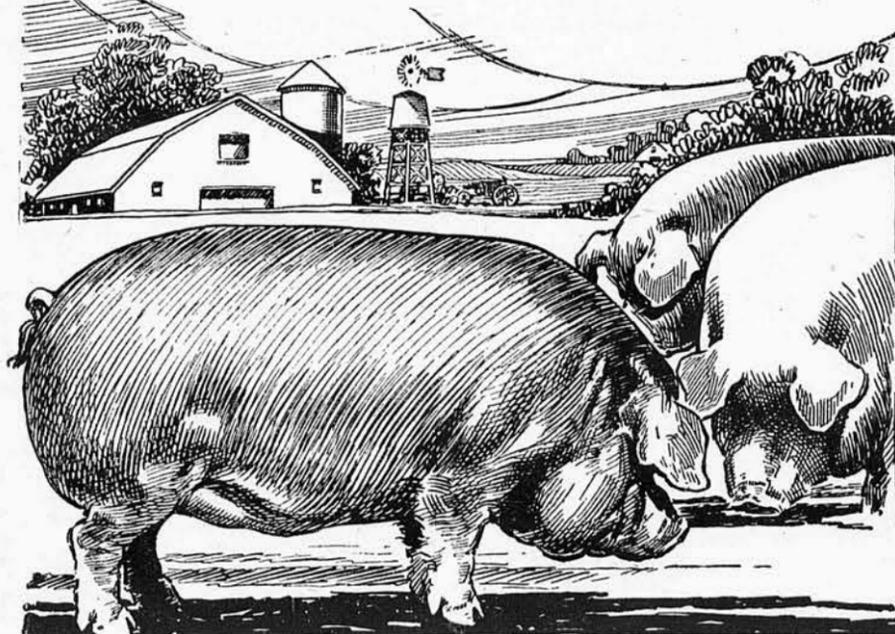
Therefore, you are using sound business judgment when you insist upon using clear serum to vaccinate hogs which have never been so valuable as now.

As clear serum is likewise the only kind that can be absolutely sterilized, it is the safest as well as the most concentrated.

A government inspector at our laboratory insures you that Alexander Clear Serum fulfills every government standard as to being a clear (refined) and sterile product.

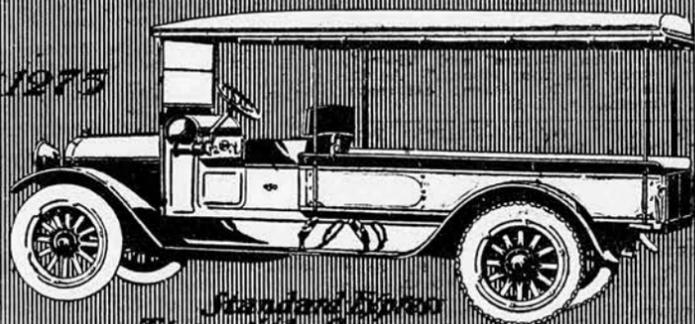
Your veterinarian will be glad to order Alexander Clear Serum because he knows it is **SURER** and **SAFER**.

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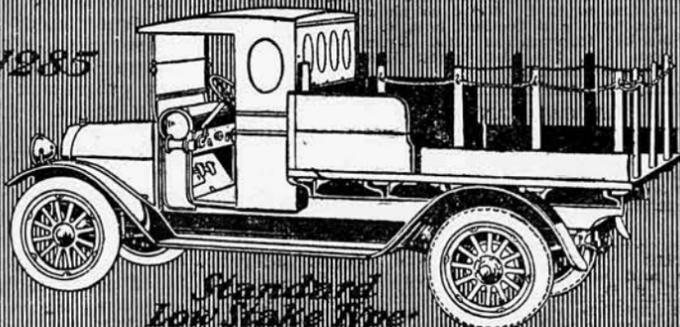
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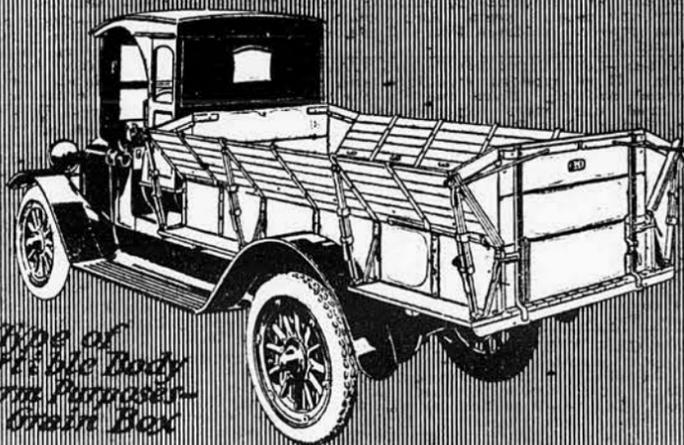
Standard Speed Type with Canopy

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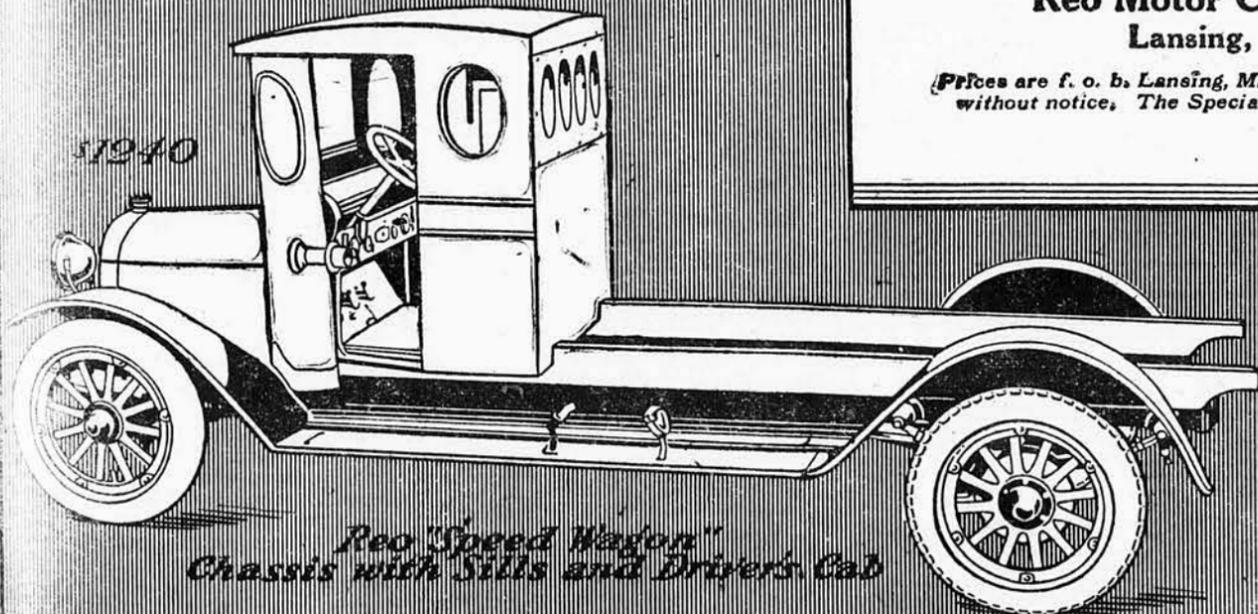


Standard Low Stake Type

One Type of Convertible Body for Farm Purposes—Loose Grain Box



#1240



Reo "Speed Wagon" Chassis with Sills and Driver's Cab

The Test of Time Is the Only True Test

IN SELECTING a motor truck you naturally desire to eliminate, so far as possible, the element of uncertainty.

FOR DEPENDABILITY is the prime requisite in a vehicle that is to play so important a part in your daily business.

THE MOTOR TRUCK WILL either conserve or waste a lot of valuable time, depending upon whether it will be always on the job or only intermittently.

THE VERY WORDS Reo and Reliability have come to be regarded by motorists as synonyms.

AND THAT REPUTATION could only develop from many years of use and continuous, consistent performance.

THIS REO "SPEED WAGON" was the pioneer of its type.

IT HAS THEREFORE seen more years of use.

UNCHANGED in any important detail or unit from the very inception of the model, its reputation rests not on brief trials in individual cases, but on several years of service in hands of thousands of owners in hundreds of different lines of business.

SO, WHEN YOU SELECT a Reo "Speed Wagon" for your own particular work, you do eliminate all element of risk and of speculation.

YOU OBTAIN A MOTOR TRUCK the quality, the dependability and the Low Upkeep of which are known quantities.

EQUALLY ADAPTABLE to city, suburban and rural service—to country roads and mountain trails as to city streets—this pneumatic-tired Reo has proven its stamina in all parts of the world and in almost every class of carrying.

DEMAND, ALWAYS GREATER than the output, is now still more insistent—due to War Speed which calls for speedy truck haulage.

SO THE ONLY WAY to be sure of getting a Reo is to see your Reo distributor at once and place your order.

TODAY won't be a minute too soon.

**Reo Motor Car Company,
Lansing, Michigan**

(Prices are f. o. b. Lansing, Michigan, and subject to increase without notice. The Special Federal Tax must be added.)

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Gold Standard
of Values"*

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| 12 | .96 | 3.36 | 28 | 2.24 | 7.84 |
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| 14 | 1.12 | 3.92 | 30 | 2.40 | 8.40 |
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| 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 |
| 24 | 1.92 | 6.72 | 40 | 3.20 | 11.20 |
| 25 | 2.00 | 7.00 | | | |

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. 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.

SINGLE COMB WHITE LEGHORN COCKERELS, \$1.50. A. Pitney, Belvue, Kan.

SINGLE COMB BROWN LEGHORN COCKERELS, \$1.50. L. Speenburgh, Belleville, Kan.

FOR SALE—FANCY ROSE COMB BROWN Leghorn cockerels, \$1.25 each. W. G. Groux, Concordia, Kan.

THOROUGHBRED MAMMOTH SIZE LIGHT Brahmas, hens and cockerels, for sale. V. E. Rogers, Sharon, Kan.

PURE BRED SINGLE COMB WHITE Leghorn cockerels, spring hatched, \$1.50 each. Clyde Ramsey, Colony, Kan.

FOR SALE, SINGLE COMB BLACK MINORCA baby chicks, pullets, cockerels and hens. Claude Hamilton, Garnett, Kan.

CHOICE SINGLE COMB BROWN Leghorn cockerels, \$1.75. Three, \$5. Hudsons, Fulton, Bourbon, Co., Kan.

IT PAYS TO CONTRACT SALE OF GOOD pure bred eggs at Colwell's Hatchery, Smith Center, Kan., now for spring delivery.

ANCONA—R. C. RHODE ISLAND REDS. Cockerel for sale \$2.00 and up for good breeding stock. Eggs in season. Emmett Lockett, Princeton, Mo.

PURE BARRON 288 EGG STRAIN WHITE Leghorn cockerels, \$2 and up. 50c additional each month until Feb. Also hens. Joseph Cretz, Beloit, Kan.

WHITE ROCKS, SIZE AND QUALITY guaranteed. Cockerels and pullets. Reduced prices for August and September. G. M. Kretz, Clifton, Kan.

PURE BRED ROSE AND SINGLE COMB Buff Leghorn cockerels, \$1 each if sold the month of August. New stock each year. T. W. Davitt, Jennings, Kan.

FOR SALE—BUFF LEGHORN, YEARLING cocks, hens, cockerels, pullets. Trios, pens, yards. Best laying strains. Write for prices. Pearl Haines, Rosalia, Kan.

ONE POUND OF BROOKS BEST CHICKEN fat will absorb 2 1/2 pounds of water, 3 pounds of skim-milk or 3 pounds of butter-milk, making your feed cost you only about a cent a pound, fatten your chickens, turkeys and ducks quickly and cheaply, and make this quick easy profit instead of letting the poultry shipper do it. This is a wonderful quick fattening feed and can be fed two or three weeks before marketing or killing, we guarantee it or your money back 100 pounds \$3.90 or 500 pounds \$18.75. Send remittance and we will ship direct. In 100 pound sacks only. Brooks Wholesale Co., Ft. Scott, Kan.

POULTRY WANTED.

RUNNER DUCKS WANTED. EMMA AHLSTEDT, Lindsborg, Kan.

IF DISSATISFIED WITH LOCAL POULTRY and egg market, ship direct. We loan coops and cages free. The Copes, Topeka.

PET STOCK.

CANARIES FOR SALE, GUARANTEED singers. Mrs. Guy Vermilya, Attica, Kan.

THIS BUNCH INCLUDING 25 PAIRS SELLS for \$35. Blue Bar Homers only. Single pairs, \$2. 3 pairs \$5. Dandy birds. C. McKee, Sterling, Kan.

RABBITS.

DON'T STARVE. EAT RABBIT. WHY the growth in the popularity of the mammoth new rabbit? Who is developing this rabbit and why is he doing it? Just for the asking you may have complete information. By rigid tests the Golden Fawn has demonstrated that it is the world's best and most prolific meat producing animal for the back yard. Anyone can raise it. No professional knowledge required. Without doubt the meat production from one pair of Golden Fawn will reach one hundred pounds each month. We want everyone to become familiar with the excellent qualities of the Golden Fawn. Make the future of your food supply secure, one post card will bring the information. Nathoo's Golden Fawn Hutches, Coffeyville, Kan.

SEEDS AND NURSERIES.

ALFALFA SEED FROM NORTHWEST Kansas, 99% pure, good germination, \$3. per bushel. Order early. Freight is slow. George Bowman, Logan, Kan.

ALFALFA SEED—RE-CLEANED, HOME grown, non-irrigated alfalfa seed from \$5 to \$10.50 per bu. Our track. Seamless bags, 60c. Samples on request. The L. C. Adams Mercantile Company, Cedar Vale, Kan.

SEEDS AND NURSERIES.

KHARKOF SEED WHEAT, RECLEANED, \$3.50 per bu. Laptad Stock Farm, Lawrence, Kan.

OUR FIELD AND GARDEN SEEDS BEAR a reputation. Write us your wants, Watson Bros., Wholesale Seed Merchants, Milan, Mo.

ALFALFA SEED, RECLEANED, \$10 BU. Send samples on order of 10 bu. or more if wanted. Bags 50c. Wm. Bliesecker, Abilene, Kan.

ALFALFA AND TIMOTHY FANCY RE- cleaned seed. Write for samples and prices. Atchison Seed and Flower Store Co., Atchison, Kansas.

DOGS.

MALE COLLIES, 2 1/2 MO., \$7. FRANK Barrington, Sedan, Kan.

SCOTCH COLLE PUPS, ELIGIBLE TO registry. Farm raised. Good workers. I. P. Kohl, Furley, Kan.

FOR SALE—FOUR TRAILHOUND PUP- pies, seven weeks old, extra good breeding. Price five dollars each. Fred Knowles, Kling, Kan.

RUSSIAN WOLFHOUND PUPS, 4 MO. OLD, \$30 each. Coyote pups, \$5 each. Guaranteed as represented. Idlehour Kennel Co., Guymon, Okla.

FOR SALE.

FOR SALE OR TRADE—NEW AND USED farm tractors. S. B. Vaughan, Newton, Kan.

FOR SALE—INTERNATIONAL 8-16 MOGUL tractor, price to sell. W. Groux, Concordia, Kan.

BULL TRACTOR AND PLOWS FOR SALE. Plowed only 175 acres. D. C. Poole, Route 4, Oberlin, Kan.

TWO WELL DRILLS, 250 FT., \$160; 500 ft., \$325. Also extra drill bar. Geo. Newton, Haddam, Kan.

FOR SALE—MOGUL TRACTOR, 8-16, IN good condition ready to go to work. Geo. Wilson, Alida, Kan.

FOR SALE OR TRADE—EQUIPMENT OF the Mound Garage, Mound Valley, Kan. B. R. Schroeder, Edna, Kan.

FOR SALE OR TRADE—INGECO TRAC- tor, little used. Three bottom plow. Hubbard Electric Co., Beloit, Kan.

WANTED—NEW CROP ALFALFA SEED. Please mail samples and quote price f.o.b. your track. Binding Stevens Seed Co., Tulsa, Okla.

FOR SALE, ONE 12-25 I. H. C. MOGUL, oil burner with four bottom plow, all in good working order. Price, \$600. James F. Steele, Richland, Kan.

FOR SALE—ONE 4 UNIT SHARPLES milking machine in fine condition. Have sold out my dairy herd reason for selling. H. B. Browning, Linwood, Kan.

FOR SALE—A SEVEN PASSENGER HUD- son Super-Six, in fine condition. Price \$1,000, cash or bankable note. A bargain. B. C. Doerschlag, Ransom, Kan.

FOR SALE—ONE SINGLE CRAWLER "Bates Steel Mule" tractor, new. Will sell at a bargain, also one Grand Detour three bottom plow. F. D. Sperry, Ellsworth, Kan.

SALE OR EXCHANGE—ONE TUNG-LEK slio, 14x20. Terms if responsible, or will exchange for hedge posts, immediate or future delivery. Fortuna Lumber Co., Bucklin, Kan.

BALE TIES WHOLESALE AND RETAIL. 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, pears, tomatoes and other surplus farm produce at small cost—only one cent a word each insertion. Try it.

LANDS.

WANTED—TRADE THREE ADJACENT Topeka, Kan., residences for farm. Rev. H. A. Ott, Topeka.

BEAUTIFUL EIGHTY, \$2,000, PROSPECT, well improved, fine water, ideal location. John Roberts, Lyndon, Kan.

300 ACRES WELL IMPROVED LAND NEAR Tulsa, Swisher Co., Tex., \$32.50 per acre. For terms write, G. P. Womaok, Owner, Martha, Okla.

WANTED TO RENT A FARM. HAVE plenty of good help. Can furnish best of references. Write, Farmer, care Lime Kiln Ranch, Osceola, Mo.

115 ACRE DAIRY FARM, WELL IM- proved. 25 acres alfalfa, 40 acres pasture, balance in cultivation, 2 miles from Concordia, Kan. W. G. Groux, Concordia, Kan.

FOR SALE, BERMUDA STOCK FARM. War reasons. Excellent improvements. Central Oklahoma. Mile from town. Write owner. "Bermuda" Mitchell, Chandler, Okla.

FOR SALE OR TRADE, HIGHLY IM- proved 40 acres, 2 1/2 miles from Topeka, fine location. Want good stock and grain farm in Northeastern Kansas. Address Mac, Care Mail and Breeze.

SOUTHWEST KANSAS IS DEVELOPING fast. Farmers are making good profits on small investments. It is the best place today for the man of moderate means. You can get 160 acres for \$200 to \$300 down, and no further payment on principal for two years, then balance one-eighth of purchase price annually, interest only 6%—price \$10 to \$15 an acre. Write for our book of letters from farmers who are making good returns of our easy purchase contract. Address E. T. Cartledge, Santa Fe Land Improvement Company, 404 Santa Fe Bldg., Topeka, Kan.

LANDS.

A BARGAIN—320 A. IMPROVED FARM IN Lyon Co., 125 a. cult., part creek bottom; bal. pasture with small creek and timber; small improvements. Price \$40 per a. 1/2 cash, bal. long time at 6%. Ed F. Milner, Hartford, Kan.

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PATENTS.

MEN OF IDEAS AND INVENTIVE ABIL- ity should write for new "List of Needed Inventions," "Patent Buyers" and "How to Get Your Patent and Your Money." Advice free. Randolph & Co., Patent Attorneys, Dept. 25, Washington, D. C.

WANTED, NEW IDEAS—WRITE FOR list of Patent Buyers and Inventions wanted. \$1,000,000 in prizes offered for inventions. Send sketch for free opinion of patentability. Our four books free. Patents advertised free. Victor J. Evans & Co., 825 Ninth, Washington, D. C.

YOUR IDEA WANTED. PATENT YOUR invention. I'll help you market it. Send for 4 free books, list of patent buyers, hundreds of ideas wanted, etc. Advice free. Highest references. Patents advertised free. Richard B. Owen, Patent Lawyer, 34 Owen Bldg., Washington, D. C.

LIVESTOCK COMMISSION MERCHANTS.

SHIP YOUR LIVE STOCK TO US—COM- petent men in all departments. Twenty years on this market. Write us about your stock. Stockers and feeders bought on orders. Market information free. Ryan Robinson Com. Co., 425 Live Stock Exchange, Kansas City Stock Yards.

FARMS WANTED.

I HAVE CASH BUYERS FOR SALABLE farms. Will deal with owners only. Give description, location and cash price. James P. White, New Franklin, Mo.

MISCELLANEOUS.

WANTED TO BUY ONE TWO HORSE cane mill with pan or without. R. R. Lane, R. F. D. No. 1, Mont Ida, Kan.

EXPERIENCED FARMER, MARRIED, wants farm to rent. Everything furnished. References given. W. P. Brown, Cleburne, Kan.

KODAK FINISHING—ANY SIZE FILM DE- veloped and six prints made for twenty-five cents. Cash with order. E. J. Runner, Edgerton, Kan.

WANTED TO BUY HEDGE, LOCUST, MUL- berry and catalpa posts. Also locust and catalpa groves. Address Fence Posts, care Mail and Breeze.

WANTED—LOCATION TO DRILL WATER wells. Have modern machines and experienced drillers. Have one rig for sale and need one more experienced driller. Grant Ewing, Blue Rapids, Kan.

WANTED TO BUY—SORGHUM MILL. large size horse power, must be in good condition and cheap for cash. J. H. Ginter, R. 6, N. Topeka, Phone 3703N2, Topeka exchange.

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, pears, tomatoes and other surplus farm produce at small cost—only one cent a word each insertion. Try it.

FORDS CAN BURN HALF COAL OIL, OR cheapest gasoline, using our 1918 Carburetor; 34 miles per gallon guaranteed. Easy starting. Great power increase. Attach it yourself. Big profit selling for us. 30 days trial. Money back guarantee. Styles to fit any automobile. Air-Friction Carburetor Company, 560 Madison Street, Dayton, Ohio.

BIG BARGAIN FOR SHORT TIME ONLY. Send only 10 cents and receive the greatest farm and home magazine in the Middle West for six months. Special departments for dairy, poultry and home. Address Valer Farm, Arthur Capper, publisher, Dept. W. A. 10, Topeka, Kansas.

HANDLE MORE BUSINESS? ARE YOU getting all the business you can handle? If not get big results at small cost by running a classified ad in Capper's Weekly. The Great News Weekly of the Great West with more than a million and a quarter readers. Sample copy free for the asking. Only 8c a word each week. Send in a trial ad now while you are thinking about it. Capper's Weekly, Topeka, Kan.

The Week's Market Report

(Owing to the fact that this paper necessarily is printed several days prior to the date of publication, this market report is arranged only as a record of prices prevailing at the time the paper goes to press, the Monday preceding the Saturday of publication. All quotations are from the Kansas City market.)

Wheat—No. 1 dark hard, \$2.21; No. 2 dark hard, \$2.18; No. 3 dark hard, \$2.13@2.16; No. 4 dark hard, \$2.12@2.14; No. 5 dark hard, \$2.10.
No. 2 yellow hard, \$2.15.
No. 1 hard, \$2.18@2.20; No. 2 hard, \$2.15@2.16 1/2; rye mixed, \$2.17; No. 3 hard, \$2.12, rye mixed, \$2.12@2.15; No. 4 hard, \$2.10, rye mixed, \$2.12; No. 5 hard, \$2.08, rye mixed, \$2.14.
No. 1 red, \$2.18, smutty \$2.15@2.16; No. 2 red, \$2.15; No. 3 red, \$2.11; No. 4 red, \$2.10.
No. 1 mixed wheat, \$2.17@2.18; No. 2 mixed, \$2.14@2.15; No. 3 mixed, \$2.12.
Corn—No. 2 mixed, nominally \$1.80@1.82; No. 3 mixed, nominally \$1.78@1.81, sales \$1.81; No. 4 mixed, nominally \$1.70@1.74.
No. 2 white, nominally \$1.93@1.95, sales \$1.94; No. 3 white, nominally \$1.87@1.89.

sales \$1.88; No. 4 white, nominally \$1.81@1.82.
No. 2 yellow, nominally \$1.83@1.85; No. 3 yellow, nominally \$1.79@1.82; No. 4 yellow, nominally \$1.72@1.75.
Oats—No. 2 white, sales 72 1/2c; No. 1 white, sales 72@72 1/2c; No. 2 mixed, nominally 72c; No. 3 mixed, nominally 71 1/2c; No. 2 red, nominally 72@73c; No. 3 red, nominally 72@72 1/2c.
Kafir—No. 2 white, nominally \$3.30@3.33; No. 3, nominally \$3.30@3.33.
Milo—No. 2, nominally \$3.30@3.35; No. 3, nominally \$3.30@3.35.
Rye—No. 2, nominally \$1.68@1.70.
Barley—No. 4 nominally 90c@1.05—Corn Chop—Nominally \$3.42@3.49.
Bran—Nominally, sacked, \$1.42@1.50.
Shorts—Nominally, sacked, \$1.52@1.60.
Mixed Feed—Nominally, sacked, \$1.48@1.66.
Hogs—Bulk, \$18.00@19.00; heavy, \$19.00@19.20; packers and butchers, \$18.50@19.20 light, \$18.00@19.00; pigs, \$16.25@17.25.
Cattle—Prime, fed steers, \$17.25@18.50 dressed beef steers, \$12.50@17.00; western steers, \$10.00@15.00; southern steers, \$7.50@15.00; cows, \$5.00@11.50; heifers, \$7.50@13.50; stockers and feeders, \$7.50@6.50; bulls, \$6.00@9.50; calves, \$6.50@11.00.
Sheep—Lambs, \$15.00@17.00; yearlings, \$11.00@15.00; wethers, \$10.00@14.50; ewes, \$8.00@13.00; stockers and feeders, \$6.00@17.00.
Hay—Alfalfa, choice, \$30.50@31.50; No. 1, \$29.50@30.00; standard, \$28.00@29.00; No. 2, \$25.50@27.50; No. 3, \$21.50@25.00. Prairie, choice, \$27.00@27.50; No. 1, \$26.00@26.50; No. 2, \$24.50@25.50; No. 3, \$20.00@24.00. Midland and lowland prairie, \$11.00@23.00. Timothy, No. 1, \$28.50@29.50; No. 2, \$23.00@28.00; No. 3, \$17.00@23.00. Clover, mixed light, \$28.00@29.00; No. 1, \$23.50@27.50; No. 2, \$16.50@23.00. Clover, No. 1, \$26.00@27.00; No. 2, \$23.50@25.00. Straw, \$9.00@10.00. Packing hay, \$10.00@16.00.

More Heat, and More Rain, Too

A number of Kansas counties complain still of the heat, which undoubtedly has injured the corn very much. Rain reached many of the counties last week, however, in time to prevent the corn from being an entire loss. The shortage of water for the cattle has caused their rapid movement to market from several localities. Despite the very warm weather the summer plowing has progressed rapidly, the tractors going ahead with this work when it was virtually impossible for horses to withstand the heat. The soil has been too dry for horses to make good headway with the plowing. Rain that would loosen the soil would tend to enlarge the wheat acreage. Considerable threshing remains to be done, and reports of good yields continue.

Coffey County—The weather has been hot and dry, the highest temperature being 111. Hot winds blowing for several days have ruined the bulk of the corn, the some of the fields are still green. Kafir and the sorghum crops are looking well. Pastures are drying up and stock water is low. Prairie hay is yielding from 1/2 to 3/4 ton to the acre. Much threshing is yet to be done.—A. T. Stewart, Aug. 10.

Sherman County—Good rains have continued over the greater part of this county, and corn, cane, millet, beans and potatoes are green and thrifty. Hay is being cut on the high prairie land. Some threshing is being done. The grass is rank, and the stock is fattening.—J. B. Moore, Aug. 10.

Wilson County—All of the shocked wheat and 35 per cent of the stacked wheat has been threshed. Wheat yields from 9 to 18 bushels to the acre have been reported, the average being about 25. The quality is 4-1. We do not expect to have more than 25 per cent of a normal corn crop, and not more than one-third of a normal crop of prairie hay. The kafir, milo and kindred crops could be improved if rain comes soon. A shortage of stock water has caused the shipping of cattle. If we get rain the wheat acreage will be increased 20 per cent. We received 1/2 inch of rain August 9.—S. Canty, Aug. 10.

Pawnee County—We had a nice rain August 8. The early corn is in the roasting ear stage. Plowing is in progress. Alfalfa is ready for the third cutting. The yield will not be heavy, but medium. Pastures are good and the livestock is doing well. Piles are troublesome. A large number of silos will be erected soon. The majority of farmers are selling their wheat direct from the machine for \$2 a bushel. Eggs 28c; butterfat 43c; butter 35c; hens 17c.—C. E. Chertman, Aug. 10.

Biley County—A dry soil and hot winds have injured the corn; only from 10 to 15 bushels an acre can be expected. Pastures are getting poor, and the meadows are drying up. Much plowing for wheat is being done. There is very little old corn in the county. All of the fat hogs have been marketed. Eggs 32c; wheat \$2.05.—P. O. Hawkinson, Aug. 10.

Ottawa County—Corn has been damaged 50 per cent by the recent heat wave. Showers falling on August 9 revived the corn greatly. The bulk of the corn that is left is in the roasting ear stage. About half of the plowing is completed; the ground is very dry. From one-third to one-half of the wheat threshing is done; yields have been from 10 to 30 bushels to the acre. Considering the drought the melon crop is fair, and many homegrown melons are on the market. Many cattle are going to market at good prices. Butterfat 47c; eggs 30c.—W. S. Wakefield, Aug. 10.

Peanut Butter or Steak?

Peanut butter, according to specialists of the United States Department of Agriculture, contains one and one-half times as much protein, over three times as much fat, and three times as much fuel value as round steak. Also about 17 per cent of peanut butter is carbohydrates, mostly starch, while steak contains no carbohydrates. These figures show that, pound for pound, peanut butter has a much greater fuel value than round steak.

BARGAINS IN REAL ESTATE

Dealers whose advertisements appear in this paper are thoroly reliable

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

CHOICE S. E. Kansas farms \$40 to \$75. Write me. Wm. Robbins, Thayer, Kan.

THREE CHOICE imp. farms at \$90, \$112.50, \$125 per acre, all close in. Decker & Booth, Valley Falls, Kansas.

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

SEVEN QUARTER SECTIONS in body, close to three elevators. School on land. Sell together or separately. Give terms 1-10 cash. The King Realty Co., Scott City, Kan.

FOR SALE good 80 acre farm, all in cultivation, good improvements, well located two miles to railroad town. A fine little home. Orville Rogers, Green, Kan.

1,520 A. highly improved, wheat, alfalfa and pasture land 4 ml. Dighton, terms on part. \$16 an acre. C. N. Owen, Dighton, Kan.

BEST 640 acres, Eastern Kansas creek bottom grain and stock farm, well located and improved. Other good farms at right prices. E. B. Miller, Admire, Kan.

LANDS in Stevens and Morton Co. and Bacca Co., Colo. on reasonable terms. Will trade for livestock or small residence property. John A. Firmin & Co., Hugoton, Kan.

FOR SALE. Well improved 1300 acre ranch, Wichita county, Kansas, all smooth fine soil and soft water. Price \$10.50 per acre. Address E. Sowers, Leoti, Kansas.

OWN A wheat, corn, and tame grass farm. Write for descriptive booklet. Large list to select from. Write today. Mansfield Land & Loan Co., Ottawa, Kansas.

610 A. stock farm, 130 a. first bottom, \$50 per a. Might consider good wheat farm. Write for printed list. L. S. Hoover, Eureka, Kan.

80 ACRES, Franklin county; 1 mile town. Improved, on Santa Fe Trail. Black limestone soil, good future for oil, not leased. Price \$5,600. Write for description and list. Martin Strafuss, Ottawa, Kan.

FOR SALE one of the best stock and grain ranches in Wabunsee Co., Kan. 80-160-320 improved farms, prices and terms to suit. Write for descriptions. Ira Stonebraker, Allen, Kan.

160 ACRES, 4 ml. from Garnett, Kan. Price \$65 per acre. 320 acres, \$75 per acre. Crop of wheat pays for land. Write TRIPLETT LAND CO., Garnett, 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.

240 ACRES improved farm, 200 acres in cultivation. Priced at \$18,000 if taken at once. Wheat this year will make twenty bushel. The Pratt Abstract & Investment Co., Pratt, 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.

BEAUTIFUL 160 ACRE Shawnee Co., Kan., farm, near Topeka, only \$75 twenty years or 5 if desired. One wheat crop may pay for farm; immediate possession. Can fit you in any size farm desired. W. S. Thompson, Route 15, Tecumseh, Kan., The Farmer Land Man.

WANTED Man to run Eastern Kansas farm on shares. Stocked, \$2,000 to \$2,500 will handle. A one reference furnished and required. Give full information as to experience and reference. Address Box 77, Care Mail and Breeze.

198 ACRES 2 miles town, with 4 year high school, Franklin county. Every acre fine irrigable land; 60 acres blue grass; 20 acres timothy and clover. \$5,000 worth of new improvements; fine location. Price \$110 per acre. Will loan \$10,000. Large list of other farms, all sizes. Casida, Clark & Spangler, Ottawa, Kan.

320 ACRES 3 miles good railroad town, Franklin county. New house, good barn, big well, timber and creek. \$60. A 160, 1 1/2 miles Waverly, good improvements, practically new, good water, wheat land, all tillable. Liberal terms, \$65 acre. Write for descriptive list. Dickey Land Co., Ottawa, Kan.

280 ACRES FOR \$3,000 30 miles Wichita; sandy loam soil; good timber, 60 past., 60 spring crop, bal. for wheat; house \$15,000, \$3,000 cash, \$1,000 year. W. M. Mills, Schweiter Bldg., Wichita, Kan.

160 Acres in Harper Co. 120 acres cultivated, balance pasture, all smooth tillable, rich, productive loam, good for wheat, oats, corn, and 80 acres first class alfalfa land. Good neighborhood, close to market. Shallow water. Price \$7,500. Terms. Vouch Land Company, Anthony, Kan.

1680 Acre Ranch \$12.50 PER ACRE—1/4 CASH Balance easy terms at 6%. In Seward Co. 6 miles from town. Fine grass, some farm land, no waste land. Possession immediately. No trades. Special plat mailed upon request. Write owners. Griffith & Baughman, Liberal, Kan.

80 A. \$45, 80 1 ml. town \$65, 320, \$85. Finely imp. 450 ranch 2 ml. town \$50. P. H. Atchison, Waverly, Kan.

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. Bocook & Son, Cottonwood Falls, Kan.

MISSOURI

OUR BIG new list for the asking. Amoret Realty Co., Amoret, Mo.

BATES AND CASS CO., MO., improved farm bargains, all sizes. Duke, Adrian, Mo.

FARMS and income for sale and exchange. F. P. Thompson, 869 Edmond, St. Joe, Mo.

REAL BARGAINS in Mo. farms; write for illustrated booklet, and list. R. L. Presson, Bolivar, Mo.

\$3,000 CASH, time \$13,000 buys fine blue-grass and grain Polk Co. farm. Fifty other good ones. W. E. Taylor, Aldrich, Mo.

POLK CO., real bargains, in grain, stock, clover farms with fine flowing springs. W. M. Fellers, Flemington, Mo.

WELL IMPROVED FARMS, range from 20 to 45,000, which will grow anything. Consider some trade. B. B. Bigham, 116 N. 8th, St. Joseph, Mo.

FOUR MAN'S CHANCE—\$5 down, \$5 monthly, buys 40 acres productive land, near town, some timber, healthy location. Price \$200. Other bargains. Box 425-O, Carthage, Mo.

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.

BEAUTIFUL MISSOURI corn, wheat, oats, alfalfa, blue grass, timothy, clover farms. Maximum production, minimum prices. Get free list. Township map 20 cents postpaid. LOTT, The Land Man, 502 Finance Bldg., Kansas City, Mo.

FARM WANTED Have two brick buildings in St. Louis rented for \$3,000 yearly each. Price of each \$30,000; will exchange one or both for farm. Write CHANDLER CAMPBELL, Kansas City, Mo.

ATTENTION FARMERS! Do you want a home in a mild, healthy, climate, where the grazing season is long, the feeding season short, waters pure, soils productive? Good improved farms for from \$30 to \$50 acre. Write FRANK M. HAMEL, Marshfield, Mo.

COLORADO

WHEAT LAND near Denver \$22, 715 acres, 260 acres deep plowed, ready for fall wheat. Easy terms to good farmer. Fedlerickson, 216 Colo. Nat'l Bank, Denver, Colo.

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, Seibert, Colorado.

FOR RENT: Large stock farm in Weld county, thirty miles northeast of Greeley. One thousand acres in cultivation (not irrigated), either as a whole or in part. Communicate with FRANK KIRCHHOF, Denver, Colo.

ONLY about 15,000 acres of what is known as the Nutting or Mrs. Jackson land left out of 50,000 acres formerly owned by them; it will soon be all gone, which ends the cheap land bargains near Limon and Hugo. Get owner's prices while it lasts from W. S. Pershing, Ex-mayor, Limon, Colo.

ARKANSAS

198 ACRES 7 miles Leslie main road, 70 cultivation, balance timber. 2 sets buildings, water. \$2,100. Terms. Wallace Realty Co., Leslie, Ark.

OKLAHOMA

LAND BARGAINS, oil leases. Write for list. Roberts Realty Co., Nowata, Okla.

NINE A, 4 blocks business center of city, this county, of 3,500, all cult., good land, no rock or overflow, good 3 room house, some fruit, city water. Fine for fruit, vegetables and poultry. \$1,000. Terms. Southern Realty Co., McAlester, Okla.

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. J. J. Bricker, 81 Northern Pacific Ry., St. Paul, Minn.

SALE OR EXCHANGE

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

FARM ENGINEERING

By K. J. T. Ekblaw, Farm Engineering Department, Kansas State Agricultural College, Manhattan.

In discussing tractors, we have to use common sense. The tractor has been on its way for some time, but the last stages of its advancement have been very rapid, and its sudden and tremendous arrival in a way has caused a little confusion. We are likely to be over-enthusiastic in our welcome to it, and perhaps we may regret it a little, afterward. But the tractor industry is sound and substantial, there are hundreds of thousands of tractors around us, and they are apparently going to stay.

The big, important fact that remains is that the tractor in general has justified itself. It has on the extensive Western ranches, made possible the cultivation of a much larger acreage than could be handled readily with horses; it has found a secure place on Mid-west farms of the corn-belt, where it is used for a wide variety of purposes; and it rapidly is extending its usefulness even to the smaller farms of the East and South, in regions where the cynical pessimists a few years ago declared a tractor never would be worth while.

The Six-Cycle Engine

Will your farm engineering department please explain the operation of the six-cycle engine?

The "six-stroke" cycle engine, or "six-cycle," as it is called, has been known many years to internal combustion engineers, but to our knowledge never has been utilized in the manufacture of engines on a commercial scale.

The strokes in this cycle are as follows: First, intake of clean air, and a fuel charge; second, compression; third, ignition and expansion of gases; fourth, exhaust; fifth, intake of fresh air; sixth, scavenging, or exhaust of mixed gases and clean air.

The last two strokes are simply for the purpose of thoroughly cleaning the cylinder of spent gases, but they consume considerable power in friction, the extra charge of air for cleaning chills the cylinder so that the ready ignition of fresh low volatility is delayed, and then, because of the need of greater compression and because the fly wheel must be extra heavy to maintain momentum thru so many strokes, the whole engine must be made much heavier than either the four- or two-stroke cycle engine. Its main advantage lies in its high fuel economy, it is said to burn 97 per cent of the fuel used.

A Home-made Tractor

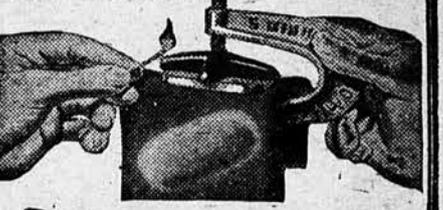
I am designing a small tractor to use on my 180-acre farm, and will appreciate any suggestions that would help me in making a first class tractor. A good deal of the land is pretty hilly, so I want to get an engine with plenty of power. I expect to use it also in running a small thresher to do my own threshing and some for my neighbors. Can you recommend a good engine for this? G. B. C.

We certainly do not like to discourage anyone from a laudable undertaking, but we will have to admit that we are not enthusiastic about home-made tractors. Of course, if you have some mechanical skill and experience, it is possible that you can build a serviceable machine; but did you ever stop to think that most tractor manufacturers have spent thousands of dollars and years of time and have employed the best designers obtainable, in getting satisfactory machines? It appears to us, to be perfectly frank, that your chance of getting your money's worth out of the machine will be very small, and our friendliest and best meant advice is to use the money you are going to put into your machine, for buying a small tractor of some standard make, and get the advantages of the other fellow's experimenting.

As for tractor engines, some tractor manufacturers build their own engines, but there are several companies making nothing but regular tractor engines. These are advertised in farm papers and in tractor and farm machinery periodicals. We would suggest that you call upon your implement dealer and look thru the advertising columns for such companies. Practically, all of them are entirely reliable.

Milk can be influenced for the bad quite as much thru the air the cow breathes as the food she eats.

Mend Your Tubes As Good As New



SHALER

5-Minute Vulcanizer

Works automatically—without fail. Makes a perfect, lasting, feather-edge tube repair—anywhere on the road—in any weather—in five minutes. So simple a child can do it. No acid, cement or gasoline. Makes tube repairs far superior to any "stuck on" patch. Easily carried in tool box. Saves cost of spare tubes and repair bills.

Complete Outfit \$1.50

With 12 Patch & Heat Units Comprises handy, nickel plated vulcanizer, 6 round Patch & Heat Units for punctures, and 6 oblong units for cuts and tears—(everything necessary to make 12 perfect, permanent tube repairs) with full instructions, only \$1.50. (Additional Patch & Heat Units only 75c per doz.) Buy from your garage or hardware dealer—or we will send prepaid, guaranteed, by parcel post direct from factory if your dealer does not sell it.

Write for FREE BOOK—"Care and Repair of Tires"

Tells how to make your own tire repairs—how to increase tire mileage—how to prevent blowouts, sand-pockets—general care of tires, etc. Don't fail to write for this valuable Free Tire Book now—before you forget.

C. A. Shaler Co., 5800 Fourth St. Waupun, Wisconsin



Auto Power Transmitter

Only machine on the market that will successfully operate on all makes of cars, no attachments to car, side draught or staking to ground, connect up to run in one minute. Car runs in high in its natural way delivering its maximum power from rear wheels to Transmitter as it does when on the road, a time and labor saver, will run engine cutters, hay press, grinders, wood saws, pumps and all belt driven machines at less cost than a small gas engine, we have hundreds of satisfied customers in all parts of the country. Write for circulars, prices and agent's proposition. SCHEPP BROS. MFG. CO., MANHATTAN, KANSAS

"Get a WITTE" Wood Sawing Outfit



Ready to Use Arrange At Once for your WITTE Saw-Rig at Direct From Factory price. Earn Big Money. Made in sizes 4 to 22 H-P. To be sure of delivery, write for my latest, lowest offer today.—E. H. Witte, Free. WITTE ENGINE WORKS, Kansas City, Mo. 1542 Oakland Avenue, Pittsburgh, Pa. 1542 Empire Building.

Mutual SERVICE OILS

SUPERIOR EFFICIENT LUBRICANTS Absolutely clean, no carbon, no sediment. Will withstand the highest temperatures. A weight for every auto and tractor. Ask your dealer MUTUAL OIL COMPANY Kansas City, Mo.

Gold Plated Flag Pin Free

Flag Pins are now being worn by all patriotic American Citizens. Get in line and show your patriotism by wearing one of our Gold Plated Colored Enameled Flag Pins with safety catch which we send free to all who send us 15 cents in stamps for a 3 months subscription to our big Monthly Story Paper and Family Magazine, THE HOUSEHOLD, Dept. F 14, Topeka, Kansas

Partly Pertaining To Purebreds

BY T. W. MORSE

On the Kansas City market grass cattle from Idaho recently sold for \$15.75 a hundred. This meant \$192.62 a head, the cattle weighing 1223 pounds, average.

An average of about \$1140 a head was realized in a recent English sale of milking Shorthorns. Fourteen bulls averaged more than \$1500 and 42 females, more than \$1000 a head.

Will Johnson, an Indiana breeder, calls his herd the Lea-Rig herd, and when the fieldmen "write him up" the result reads like news from the oil field—in two ways, I mean.

Pete Ross, according to the Shorthorn World, says that South American buyers in Great Britain, pay rather more attention to show winnings than to the cattle. And still Peter hasn't told us how to distinguish between a South American and a North American.

Two white steers, Shorthorns, weighing nearly 1900 pounds each, sold on the Kansas City market in July at \$18 a hundred. The prices were records for a straight market sale at that point. The steers were Missouri bred and fed.

You know, of course, that Crouch & Son of Indiana are among the world's leading importers of draft horses, and that lately they have built up one of the strong Hereford herds of the corn belt. But did you know they own a "race horse," have owned many, in fact? Just now their chief stepper is Wilgo, which he does, at the rate of 2:07 1/4 a mile, which is his record made in the fourth and winning heat of a race.

Dry weather again has called attention to a cardinal principle in providing for stock water. If you depend on ponds, as many Kansans and Missourians do, see that they are fairly deep, protected from barnyard drainage, and fenced hog tight. Shade trees around the bank will help to prevent evaporation. Water can be piped from such ponds, properly located, and a reasonable reliable supply of good water obtained.

Nearly a million cattle, and nearly two million hogs will lay down their lives to fill the latest big contract for army meat—said to be the biggest single order for bacon and canned meat in the history of the world. The contract calls for the delivery of 99,560,000 pounds of bacon and 134 million pounds of canned beef. The packers among whom this order was distributed, will have six months to fill it.

Just to see how it would work a shipper from Beggs, Okla., divided a bunch of cattle into three shipments of as nearly equal quality as possible, sending one shipment to St. Louis, one to Kansas City and one to Oklahoma City. The St. Louis shipment sold at \$14.10, averaging 1045 pounds, and bringing \$147.34 a head. The Kansas City shipment brought \$13.90, averaging 1054 pounds, or \$146.50 a head. The Oklahoma shipment brought \$13.50, averaging 1094 pounds, or \$147.69 a head. You will admit that somebody has the cattle buying business figured down to a science.

More Livestock Needed

The production of livestock in the United States is not only necessary but will be profitable for some time to come.

The central powers were prepared much better for the war than the allies by having 42 per cent more meat per capita. Also, the Germans apparently captured much livestock which made it possible for them to save that which they had at home.

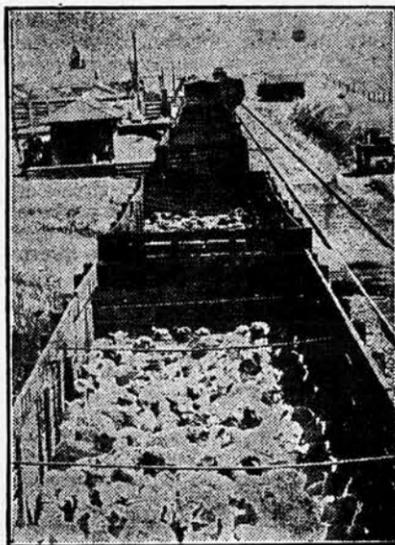
Belgium, Serbia and Rumania have exhausted their livestock resources. The allies have decreased their herds and flocks 45,787,000 head, while the Germans have reduced theirs about 18 million head, only a little more than 1/4. Neutral nations show a livestock reduction of nearly 1 1/2 million head.

European loss, therefore, exceeds 65 million without consideration of Austria, Turkey and Russia. The Food Administration estimates the total European decrease at 100 million head.

The total number of sheep, hogs and cattle in this country is 187 million according to best estimates. When this is compared with a depletion of 100 million of Europe's flocks and herds it appears that Europe already has lost more than half as many meat animals as there are in the United States today.

Sheep Like "Corral Car"

Because of a shortage of the ordinary type of stock cars, a Western railroad is using successfully for the transportation of sheep, flat cars equipped with beet sugar racks. It was found that the animals were less frightened



Here are the Corral Cars

at the absence of a roof over their heads, and evidently looked upon the cars as corrals to which they were more or less accustomed.

These "corral cars" proved an excellent expedient in the emergency caused by the shortage of railroad equipment and the necessity for transporting livestock in various Western sections to lands unaffected by drouth.

A Friend's Father Dies

Our many readers who received a private catalog recently published by Howard M. Hill of Wilson county, Kan., read with interest a chapter called "Our Home Department" and evidently written by Mrs. Hill. In it is pictured "Father" and "Mother." It is the father whose death was mentioned in daily papers a short time ago, under a Neodesha date line. Mr. Hill (Captain William Hill) had been in business in Neodesha for 45 years. He was one of the first after-the-war settlers in his part of the state; one of the strong characters from which our best citizenship springs. He died when 86 years old.

Shorthorn Prizes at Fairs

The Board of Directors of the American Shorthorn Breeders' association at their June meeting voted appropriations for 400 county fairs throughout the United States for champion prizes to be limited to Shorthorns owned and exhibited within the county. The total amount of the appropriation is \$10,000 and applies to the county fairs of 1919. This is a most practical and useful move and offers encouragement to the proper class—the livestock farmers.

As a means of extending the market in Canada, particularly in the Canadian Northwest where trade is rapidly developing, the Board voted to duplicate Canadian prizes awarded to Shorthorns bred in the United States, regardless of ownership.

The present condition of the Shorthorn trade is most flattering as indicated by the fact that during the past three months 640 Shorthorns have sold at public auction for \$1,000 or more each, a total approximating 1 million dollars. There were but three animals in the entire list that sold for anything like spectacular prices. It is the consistent relation of the values and prices and the wide territory represented by the purchasers and the sellers which indicate the stability of the trade.

WHAT BREEDERS ARE DOING

FRANK HOWARD, Manager Livestock Department.

T. W. MORSE, Livestock Editor.

FIELDMEN.

- A. B. Hunter, S. W. Kansas and Okla., 128 Grace St., Wichita, Kan.
John W. Johnson, N. Kansas, S. Neb. and Ia., 820 Lincoln St., Topeka, Kan.
Jesse R. Johnson, Nebraska and Iowa, 1937 South 16th St., Lincoln, Neb.
C. H. Hay, S. E. Kan. and Missouri, 4204 Windsor Ave., Kansas City, Mo.
T. W. Morse, special assignments, 300 Graphic Arts Bldg., Kansas City, Mo.

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.

- Jacks and Jennets.
Oct. 21—Limestone Valley Farm, Smithton, Mo.
Shorthorn Cattle.
Aug. 21—D. S. Smithhisler, Enid, Okla.
Nov. 8—O. A. Homan, Mgr., Peabody, Kan.
Nov. 14—L. H. Ernst and L. Lyell, Tecumseh, Neb.
Nov. 15—R. M. Young, Cook, Neb.
Jersey Cattle.
Oct. 9—B. R. Thompson, Garrison, Kan.
Red Polled Cattle.
Oct. 8—W. T. McBride, Parker, Kan.
Hereford Cattle.
Aug. 29—R. H. Longhofer, Herington, Kan.
Sept. 3—J. O. Southard, Comiskey, Kan.
Oct. 21—Kansas Hereford Breeders' Ass'n sale, F. H. Manning, Sec'y, Council Grove, Kan.
Oct. 22—Miller & Manning, Council Grove, Kan.
Oct. 22—W. I. Bowman & Co., Ness City, Kan. Sale at Hutchinson, Kan.
Aberdeen Angus Cattle.
Nov. 1—Sutton & Porteous, Lawrence, Kan.
Holstein Cattle.
Sept. 4—S. C. Stoughton & Sons, Hutchinson, Kan.
Sept. 18—L. F. Cory & Son, Belleville, Kan.
W. H. Mott, Sales Mgr., Herington, Kan.
Sept. 19—Geo. H. Palmer, Miltonvale, Kan.
W. H. Mott, Sales Mgr., Herington, Kan.
Oct. 3—F. W. Spencer, Dixon, Ill.
Oct. 15—Nebraska Holstein Breeders', South Omaha. Dwight Williams, Mgr., Bee Bldg., Omaha, Neb.
Nov. 1—Kansas Holstein-Friesian Association sale, Independence, Kan. W. H. Mott, Sales Mgr., Herington, Kan.
Dec. 12—Wichita Holstein sale. Mgr., W. H. Mott, Herington, Kan.
Poland China Hogs.
Aug. 31—VonPorrel Bros., Chester, Neb.
Oct. 16—Willis & Blough, Emporia, Kan.
Oct. 22—J. L. Griffiths, Riley, Kan.
Oct. 23—Laptad Stock Farm, Lawrence, Kan.
Oct. 23—Smith Bros., Superior, Neb.
Oct. 24—Milton Poland, Sabetha, Kan.
Oct. 24—Miller & Son, Chester, Neb.
Oct. 29—Geo. Brown, Tecumseh, Neb.
Oct. 29—Hill & King, Topeka, Kan.
Oct. 30—J. J. Hartman, Elmo, Kan.
Oct. 31—Adams & Mason, Gypsum, Kan.
Oct. 31—Frank J. Rist, Humboldt, Neb.
Nov. 6—M. C. Pollard, Carbondale, Kan.
Jan. 31—J. J. Hartman, Elmo, Kan.
Jan. 30—Adams & Mason, Gypsum, Kan.
Feb. 7—Willis & Blough, Emporia, Kan.
Feb. 7—Frank J. Rist, Humboldt, Neb.
Feb. 10—Ed H. Brunner, Jewell, Kan. Sale at Beloit, Kan.
Feb. 11—Otto A. Glos, Martel, Neb.
Feb. 11—O. B. Clemetson, Holton, Kan.
Feb. 12—B. E. Ridgley, Pickersell, Neb.
Feb. 12—J. M. Barnett, Denison, Kan.
Feb. 13—Milton Poland, Sabetha, Kan.
Feb. 13—O. E. Wade, Rising City, Neb.
Feb. 13—Clarence Dean, Weston, Mo., sale at Dearborn, Mo.
Spotted Poland China Hogs.
Oct. 3—Alfred Carlson, Cleburne, Kan.
Chester White Hogs.
Feb. 1—Arthur Mosse, Leavenworth, Kan.
Duroc Jersey Hogs.
Sep. 14—Roy German, Coldwater, Kan.
Oct. 1—Fred Hobelman, Deshler, Neb.
Oct. 5—W. T. McBride, Parker, Kan.
Oct. 10—H. H. Proett & Son, Deshler, Neb.
Oct. 11—H. J. Nachtigall & Son, Alexandria, Neb.
Oct. 12—Proett Bros., Alexandria, Neb.
Oct. 14—J. C. Boyd & Son, Virginia, Neb.
Oct. 15—D. Blindernagel, Beatrice, Neb.
Oct. 16—Farley & Harney, Hampton, Neb.
Oct. 17—Theodore Foss, Sterling, Neb.
Oct. 17—Robt. E. Steele, Falls City, Neb.
Oct. 19—John C. Simon, Humboldt, Neb.
Oct. 21—Kansas Breeders' Sale, Clay Center, Kan.
Nov. 14—W. W. Jones, Sec'y.
Oct. 21—Dave Boesiger, Cortland, Neb.
Oct. 23—Laptad Stock Farm, Lawrence, Kan.
Oct. 23—A. L. Breeding, Home, Kan.
Oct. 28—Geo. M. Klusmire, Holton, Kan.
Oct. 30—W. W. Otey & Son, Winfield, Kan.
Nov. 7—F. J. Moser, Goff, Kan., at Sabetha, Kan.
Nov. 8—F. E. Gwin & Sons, Morrowville, Kan., at Washington, Kan.
Nov. 9—F. J. Turinsky, Barnes, Kan.
Nov. 12—J. A. Bockenstette, Fairview, Kan., at Hiawatha, Kan.
Nov. 14—Flock Bros., Stanley, Kan.
Nov. 15—W. H. Schroyer, Miltonvale, Kan.
Nov. 15—R. M. Young, Cook, Neb.
Nov. 21—D. J. Ryan and R. E. Mather, Centralia, Kan.
Jan. 20—Theodore Foss, Sterling, Neb. (Night sale.)
Jan. 20—Dave Boesiger, Cortland, Neb.
Jan. 21—W. M. Putman & Son, Tecumseh, Neb.
Jan. 22—Geo. Briggs & Son, Clay Center, Neb.
Jan. 22—J. O. Honeycutt, Marysville, Kan.
Jan. 23—F. J. Moser, Goff, Kan., at Sabetha, Kan.
Jan. 23—Farley & Harney, Aurora, Neb.
Jan. 24—J. W. Whalen & Son, Cortland, Neb.
Jan. 25—Proett Bros., Alexandria, Neb.
Jan. 27—J. O. Bayne & Son, Aurora, Neb.
Jan. 27—W. H. Swartsley & Son, Riverdale, Neb.
Jan. 27—W. H. Schroyer, Miltonvale, Kan.
Jan. 28—W. R. Huston, Americus, Kan.
Jan. 28—H. A. Deets, Kearney, Neb.
Jan. 29—H. E. Labart, Overton, Neb.

- Jan. 30—A. C. French, Lexington, Neb.
Jan. 31—H. D. Geiken, Cozad, Neb.
Feb. 1—C. T. White, Lexington, Neb.
Feb. 3—Ahrens Bros., Columbus, Neb.
Feb. 3—D. L. Wallace (night sale), Rising City, Neb.
Feb. 4—B. Middle & Son, Genoa, Neb.
Feb. 4—Guy Zimmerman, Morrowville, Kan., at Fairbury, Neb.
Feb. 5—Ed. M. Kern, Stanton, Neb.
Feb. 5—F. E. Gwin & Sons, Morrowville, Kan., at Washington, Kan.
Feb. 6—Lester Coad, Glen Elder, Kan.
Feb. 7—L. L. Humes, Glen Elder, Kan.
Feb. 8—A. L. Wylie & Son, Clay Center, Kan.
Feb. 12—Earl Babcock, Fairbury, Neb.
Feb. 13—C. B. Clark, Thompson, Neb.
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—B. R. Anderson, McPherson, Kan.
Feb. 21—Mott Bros., Herington, Kan.
Feb. 27—A. J. Turinsky, Barnes, Kan.
Feb. 27—W. W. Otey & Son, Winfield, Kan.
Feb. 28—R. E. Mather, Centralia, Kan.
Mch. 7—J. A. Bockenstette, Fairview, Kan., at Hiawatha, Kan.

S. W. Kansas and Oklahoma

BY A. B. HUNTER

S. E. Stoughton & Sons, Hutchinson, Kan., will disperse their entire herd of Holsteins at auction, Wednesday, September 4. This great herd known as the Pond View herd, consists of 100 head of the big useful kind. Ninety-six head of these cattle are registered Holsteins all tuberculin tested and sold subject to a 90 day retest. This is a real business bunch of Holsteins, 47 are cows 2 to 7 years old, either in milk or to freshen early this fall, 25 coming two year old heifers bred to the great young bull, Pond View King Segis Pontiac, by the 500,000 King Segis Pontiac Chicago. The younger things are by King Segis Pontiac Raymond, the record of whose seven nearest dams averaged 24 pounds. Both of these herd bulls sell. Every farmer and dairy man who are in need of real working dairy cattle should plan to attend this sale. Write today for catalog. Mention Farmers Mail and Breeze.—Advertisement.

Holstein Sale at Wichita.

W. H. Mott, Herington, Kan., senior member of the firm of Mott Bros., Maple Wood Farm, Holstein herd, will manage a sale of Holsteins at Wichita, Kan., Thursday, December 12. 80 Holsteins will be consigned to this sale, 70 females and 10 bulls, selected from the best herds of reliable Holstein breeders in the Wichita district. Every animal must bear inspection and be up to the standard of quality and breeding, demanded by the management of the sale. This sale will be held at the Forum, Wichita's "Convention Hall." The object of these Holstein breeders is to make a regular annual sale at Wichita; where farmers and breeders may come and select Holstein breeding stock. No culls will be allowed in this sale. None but tuberculin tested producers will be cataloged and sold in this sale. Every animal will sell exactly as represented. Each consignor will consign only the kind that will be a credit to himself as a breeder and help to make this an annual event that will prove a success. Write for catalog early.

LIVESTOCK AUCTIONEERS.

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 & Breeze, Fieldman and breeders for whom he has sold. HOMER T. RULE, OTTAWA, KANSAS

HORSES.

PERCHERONS—BELGIANS—SHIRES After harvest take the most enjoyable little trip of your life. Come see all my show and breeding horses and have a fine visit with me. Drop me a card now. Fred Chandler, R. 7, Chariton, Ia. Above Kan. City.

CHESTER WHITE OR O. I. C. HOGS.

CHESTER WHITE HOGS A few spring boars for sale. E. E. Smiley, Perth, Kan.

Chester White Private Sale A few tried sows to have summer litters and a few boars ready for service, for sale. F. C. GOOKIN, Russell, Kan.

Pure Chester White Pigs

From prize-winning strains for sale. E. M. Reckards, Ozawie, Kan.

O.I.C.'S O.I.C.'S O.I.C.'S

That large, heavyboned, early maturing type, combining size and QUALITY with prolificness. Just the kind you have been looking for, are bred on "GOLDEN RULE FARM," the place where "QUALITY" reigns. All ages for sale. F. J. GREINER, Box A, Mena, Ark.

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

DUROC JERSEY HOGS.

DUROCS ALL AGES, BOTH SEX, SHIPPED on approval. John Lusk, Jr., Liberal, Kansas.

Duroc Bred Sows

I have not the equipment to care for all my sows. I will sell 1 good one. Two 2-year-old sows, by G. M.'s Crimson Wonder and King of Cherry Chiefs; 4 tried, yearling sows, by Illustrater Jr., Jack's Orion 2nd and Dictator and one yearling gilt by Dictator. These are all good, all immuned and in good condition. They are all safe for Sep. and Oct. farrow to the service of Dictator 220439, a Cherry Chief boar and King's Col. 40th, 3rd in open class and 2nd in futurity at Lincoln, Neb., 1917. There is nothing better in breeding and they are priced to sell.

A. J. Hanna, Mgr., Burlingame, Kansas

DUROC JERSEY HOGS.

Duroc-Jersey March Pigs
Out of first prize and champion sows and boars. Pedigree with every pig. Write quick. W. J. Harrison, Axtell, Kan.

Garrett's Durocs Ten Fall Gilts.
bred for August and September farrow. 110 spring pigs ready to ship. R. T. & W. J. Garrett, Steele City, Nebraska

Bancroft's Durocs Guaranteed Immune
September 1917 gilts bred to farrow in September 1918. Plenty of early March boars. D. O. BANCROFT, OSBORNE, KANSAS

TWO BIG SALES
Oct. 8, Duroc Boar and Bred Gilt Sale. Boars sired by H & B's Pathfinder. Gilts bred to H & B's Pathfinder. Oct. 8, complete dispersion of Red Polled herd. W. T. McBride, Parker, Kan.

BONNIE VIEW STOCK FARM
DUROC-JERSEYS
Fall gilts, and spring pigs; prize winning blood for sale at reasonable prices. SEARLE & COTTLE, BERRYTON, KANSAS

TRUMBO'S DUROCS
Herd boars Constructor and Constructor Jr. 1st prize boar at Kansas State Fair 1917. Bred gilts and immunized spring boars, priced for quick sale. W. W. TRUMBO, Peabody, Kan.

Duroc-Jersey Hogs
Weaned pigs, no akin bred gilts or sows with litters. Johnson Workman, Russell, Kan.

OTEY'S DUROCS
Hercules 3d, a giant 900-pound boar in breeding flesh, and Pathfinder Chief 2nd, the largest and smoothest of all the sons of the mighty Pathfinder, head our herd. 50 spring boars, buy NOW. W. W. OTEY & SONS, WINFIELD, KANSAS.

Shepherd's Durocs
A few bred gilts by King Col. I Am out of Lady Illustrator and bred to the champion, Crimson Gano for fall litters; also a few bred tried sows. Spring pigs both sex all immunized. G. M. Shepherd, Lyons, Kan.

BLACK'S DUROCS
Herd headed by Red Cross Pathfinder, assisted by Giant Crimson. Herd sows, big, growthy, high backed kind, fashionable breeding. Bred gilts, spring pigs, pairs and trios unrelated. If you want good Durocs we can please you. C. H. BLACK, MARION, 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

Herd Boar Material
In a few reserved fall yearlings Boar Sale, Nov. 7. Bred Sow Sale, Jan. 23. All public sales at Sabetha, Address, F. J. MOSER, GOFF, KANSAS

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
March boars out of Orion Cherry King dams, sired by King's Col. 6th. In breeding and as individuals these challenge the best. W. W. JONES, CLAY CENTER, KANSAS.

DUROC BRED GILTS CHEAP
10 or 12 gilts out of sows sired by Crimson Model, Champion Wonder, Illustrator Critic B. and Golden Model 3dth, and sired by Reed's Illustrator, Reed's Gano and Crimson's Golden Model and bred to Reed's King the Col. and Reeds Gano. All immunized. JOHN A. REED & SONS, LYONS, KANSAS

CHOICE DUROC GILTS
Have a few good gilts left, weight around 200 pounds bred for early September farrow to a good son of King the Col. the king of the breed. Will close them out at \$65 and \$75 each. Have some good spring pigs for sale, by the above sire. Write at once as they won't last long. All immunized. MIKE SEIWALD, Eudora, Douglas Co., Kan.

Eshelman's Duroc Boars
Of Good Enough Model Second and Colonel breeding. Send your check for \$25 for spring boars weighing 50 lbs. or more, a check for \$50 gets you an extra fine spring boar weighing 75 lbs. or more and immunized. They are going and growing fast. Send your checks for boars of thousand pound ancestry, to A. L. Eshelman, Grand View Farm, Abilene, Kan.

John's Orion
The greatest son of Joe Orion 2nd. The 1910 pound champion and sire of champions. The greatest Orion Chief boar west of the Mississippi comes to head the herd of F. E. GWIN & SONS, Morrowville, Kansas Boar sale in Oct. Bred sow sale in Feb.

Royal Grand Wonder
In producing the big kind. Sows bred to him sold in my February sale at highest average of any Duroc sale in Kansas. I have for sale some splendid gilts bred to this great boar for September farrow. Also fall boars ready for service. Entire herd immune. Come and see the herd or write me. B. R. Anderson, McPherson, Kan.

Address Mgr. W. H. Mott, Herington, Kansas. Please mention Farmers Mail and Breeze.—Advertisement.

N. Kan. and S. Neb. and Iowa
BY JOHN W. JOHNSON.

O. A. Homan, Peabody, Kansas, is claiming Nov. 8 for a Shorthorn sale, at Peabody, Kansas. A number of the best Shorthorn breeders in South Central Kansas will contribute to this sale. Mr. Homan is sale manager and we invite you to watch further issues of this paper for further particulars. In writing Mr. Homan please mention Farmers Mail and Breeze.—Advertisement.

J. R. Turner & Son, Harveyville, Kan., Wabaunsee county, are well known to Farmers Mail and Breeze readers as breeders of registered Shropshire sheep and their advertisement appears again in this issue. They offer 150 registered ewe lambs, 100 ewes from one to four years old, and 500 yearling rams, 16 that are two year olds and 500 high grade Shropshires in numbers to suit purchaser. The Turners are old residents and breeders of that part of Wabaunsee county and are reliable and trustworthy people to deal with.—Advertisement.

R. H. Longhofer, Herington, Kan., is a well known breeder of both horned and polled Hereford cattle. Recently he has decided to reduce his herd and on August 29 he will sell his entire herd of horned Hereford cattle, consisting of 130 head, at auction in his big modern east barn at his farm one mile north and five east of Herington. In fact the farm is just two miles north of the old Santa Fe trail. In the future he will breed only Polled Herefords. Look up the advertisement in this issue of the Farmers Mail and Breeze and write him where you saw his advertisement.—Advertisement.

J. O. Southard, Comiskey, Kan., is an extensive breeder of Hampshire hogs as well as Hereford cattle. Sept. 3-4, he will sell at auction 250 Herefords in his big sale pavilion on his farm at Comiskey and the forenoon of the second day, Sept. 4, he will sell 200 registered Hampshires. Write him at once for the catalog and full information about the Hampshires and come if you want good ones at rock bottom prices. If you can't come write J. W. Johnson, care of J. O. Southard, Comiskey, Kan., and tell him how many to buy for you. Remember the date, the morning of Sept. 4, which is the second day of the big Hereford sale.—Advertisement.

Hays' Holstein Sale.
Everett Hays, Manhattan, Kan., is a well known Holstein breeder who operates a dairy near the Agricultural College farm and who has decided to make a big sale and practically sell out his entire herd of Holsteins. The date is Oct. 8 and the sale will be held at the farm. Fifty head will be sold and remember this is a working herd of real production cows and heifers. 12 are pure bred cows and heifers that are either fresh or will be within the next two months after the sale. The balance are high grade cows and heifers except the herd bull which will also be sold. Remember that there will be on exhibition on sale day 20 March Spotted Poland China boars that will be for sale at private treaty that are as good as you ever saw. The sale will be advertised in the Farmers Mail and Breeze later on.—Advertisement.

Two Holstein Sales.
One year ago Geo. H. Palmer, Miltonvale, Kan., went to the Holstein districts back east and with the personal assistance of a competent man connected with the dairy department at the Agricultural College at Manhattan, bought the foundation for a splendid herd of Holstein cattle. Because of the labor situation he is compelled to disperse this herd and a big public sale of 50 head will be held at Miltonvale, Thursday, Sept. 19, which is the day following F. L. Cory's big dispersion at Belleville, Kan. Both of these sales can be attended conveniently. About 30 of the offering are pure bred and the balance are high grades. The cows and heifers are either fresh recently or will freshen within a month or six weeks after the sale. W. H. Mott, Herington, Kan., has been engaged to compile the catalog and manage the sale. In fact he will manage both these sales and any information desired will be furnished by Mr. Mott or either of the breeders making the sales. Address Mr. Mott at Herington, Kan. Both sales will be advertised in the Farmers Mail and Breeze soon.—Advertisement.

Brown's Poland China Sale.
Walter B. Brown, Perry, Kan., will sell 40 Poland Chinas from his herd at that place, Wednesday, Aug. 28. There will be 11 tried sows and nine fall gilts. The tried sows are by Big Hadley Jr., Erhart's Big Chief, King of Kansas and Smooth Columbus. The nine fall yearlings are granddaughters of Big Bob, on the sire's side, and Smooth Columbus, on the dam's side. They are bred to a grandson of Gerstdale Jones. He has selected 10 splendid boars and 10 splendid gilts of spring farrow that are the actual tops of 95 head. All of this offering is extra choice. I visited this herd last week and while all of Walter Brown's former offerings have been good he has never put up the crack offering he is cataloging in this sale August 28. The 11 tried sows are exceptionally choice and well bred and the nine fall gilts are the real show yard variety. The 20 top boars and gilts from his spring crop of 97 head simply can't be beat. Write for the catalog. Come to the sale. It will be a money saving trip for you. On the Golden Belt with fine auto roads. Good service from Topeka in the morning and back in the evening. Ask for the catalog today.—Advertisement.

Southard's Big Hereford Sale.
J. O. Southard, Comiskey, Kan., will sell 250 head of registered Herefords in his big modern sale pavilion on his farm at Comiskey, Tuesday and Wednesday, Sept. 3-4. In his advertisement on another page Mr. Southard invites all readers of the Farmers Mail and Breeze who are at all interested to attend his big two days sale. The farm is within driving distance from Council Grove and on the famous old trails auto road. Many of his reserved breeding cows are being cataloged in this sale. It is these cows and their kind in this herd together with the famous Monarch that has given the herd a reputation for beef, bone, milk and size. Mr. Southard makes the statement that never before has he offered a bunch of females where so many of them were below five years old. 75 calves will be sold with their mothers and many of them are large enough to be sold separately. It is certainly a great chance for the small breeder or the

KANSAS STATE FAIR HUTCHINSON
SEPT. 14-15-16-17-18-19-20 & 21, 1918
The Great Agricultural and Livestock Event of the Southwest. 17 General Departments. A School of Tractors, Trucks and Farm Machinery. The Farmers' and Business Men's Fair from Start to Finish. 10,000 square feet of Government Exhibits from the Departments of Agriculture, War, Navy, Interior, and Commerce and Food Administration. 7 Great Races Daily. Automobile Racing 2 Days. Barney Oldfield, Monday, Sept. 16th. Grand Entertainment Day and Night. World at War Grand Pyrotechnic Spectacle 5 Nights. Most Gigantic Night Entertainment ever Devised. Military, Martial and Concert Bands. The whole Fair organized to help win the war—Educational and Inspirational. Send for Program or Information. H. S. THOMPSON, President. A. L. SPONSLER, Secretary.

POLAND CHINA HOGS.
SPOTTED POLAND CHINA SPRING PIGS Can sell pigs either sex, not related. Isaac Helander, Lindsborg, Kansas

Spring Pigs \$20.00
1 brood sow, 11 bred gilts, \$75 to \$150. Big boned Spotted Poland, rangy and growthy. From prize winners. E. Cass, Collyer, Kan.

POLANDS The very best of big type breeding. Big, smooth, March boars for sale. G. L. IMMER, MULLINVILLE, KANSAS.

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.

FAIRVIEW POLAND CHINAS
Ten husky September boars. Also 75 choice March Pigs. Pairs and trios, not akin. All are pedigreed and priced to sell. P. L. WARE & SON, PAOLA, KANSAS.

Townview Polands
Herd headed by the great young boar, King Wonders Giant 7326. 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

McQUILLAN'S SPOTTED POLANDS
Faulkner and other leading blood. 20 sows and gilts for early fall litters. Spring pigs, cut prices on orders of six or more. Am liable to be called to war, wish to reduce. Write today. BERNARD McQUILLAN, CLEARWATER, KANSAS

BIG TYPE POLAND CHINAS
Couple of bred sows priced cheap for quick sale. Choice spring boars \$40 each. Best of breeding. Cholera immune. FRANK L. DOWNIE, Rt. 4, Hutchinson, Kan.

Perfection Spotted Polands
Before buying spring pigs elsewhere, read what others say of our Perfection Spotted Polands. Free for the asking. THE ENNIS STOCK & DAIRY FARM, Horine, Mo. Just south of St. Louis.

Big Type Polands, spring pigs and bred sows, both sexes, bred sows and bred gilts. Prices reasonable. H. C. Morrison, Cleora, Oklahoma

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 immune. A. J. ERHART & SONS, NESS CITY, KAN.

Old Original Spotted Polands
Stock of all ages; also bred gilts and tried sows ready to ship. Priced right. Write your wants to the Cedar Row Stock Farm. A. S. Alexander, Prop., Burlington, Kan.

Mar. Boars
and gilts sired by Hercules 2d and Grandview Wonder. 75 fall pigs for sale, in pairs and trios not related. (Picture of Hercules 2d.) ANDREW KOSAR, DELPHOS, KAN.

HAMPSHIRE HOGS.
REGISTERED HAMPSHIRE
30 spring boars, immunized, also fall pigs at weaning time. All extra well belted and most popular breeding. Geo. W. Ela, Valley Falls, Kansas, Secretary Kansas Hampshire Ass'n.

SHAW'S HAMPSHIRE
200 head Messenger Boy breeding. Bred sows and gilts, service boars, fall pigs, all immune, satisfaction guaranteed. WALTER SHAW, R. 8, Phone 3918, Derby, Kan. WICHITA, KAN.

JACKS AND JENNETS.
Will Trade: Will Trade: Two imported Belgian mares and one of the largest and best jacks in Kan. (mules to show) for cattle, mules, or the jack for a good auto. Kidd Bros., Waverly, Kan.

HEREFORD CATTLE.
REGISTERED HEREFORD BULL FOR SALE. A. M. PITNEY, BELVUE, KANSAS.

BLUE RIBBON STOCK FARMS
HEREFORDS
We are offering 15 choice open heifers, 50 cows with calves at foot, 25 cows to calve this fall; also 8 bulls from 8 to 12 months old, all priced to sell. Lee Bros. & Cook, Harveyville, Kan.

RED POLLED CATTLE.
Two Purebred, Registered Red Polled Bulls and 1 grade bull for sale. Joe P. Eichmier, St. Peter, Kansas

FOSTER'S RED POLLS Write for prices on breeding stock. C. E. FOSTER, R. E. 4, Eldorado, Kansas.

Red Polled Bulls
Two extra good ones, year old, ready for service. Priced for quick sale. A. E. WHITZEL, STERLING, KAN.

Beautiful Roan Herd Bull by Searchlight, an American Royal winner and out of a Lavender cow, by Choice Goods for sale. FRED WALTON & SONS, STERLING, KAN.

Pleasant View Stock Farm
Registered Red Polled cattle. For sale: a few choice young bulls, cows and heifers. HALLOREN & GAMBRIEL, OTTAWA, KANSAS

Morrison's RED POLLS
Young stock for sale. Chas. Morrison & Son, Phillipsburg, Kansas

Utility A. R. Red Polls
Bulls 3 to 12 months, from large, smooth cows. 10,000 pounds milk. 500 pounds butter fat. CLYDE ABBOTT, LONG ISLAND, KANSAS

Large Deep Fleshed Red Polls
I am offering a number of my fine 1000 pound springing two year old heifers, several open yearlings and choice young bulls. Write or come. Chas. L. Jarboe, Quinter, Kan.

ABERDEEN ANGUS CATTLE.
REGISTERED ANGUS BULL
Three years old, kind, guaranteed a breeder. I can't use him longer. A bargain for someone. Also Reg. Shropshire ram, three years old. Also few buck lambs. M. COLE, R. F. D. 5, NORTH TOPEKA, KANSAS.

Aberdeen Angus Cattle
C.H. Sparks, Sharon Springs, Kansas, can furnish my bulls for northwest Kansas. Johnson Workman, Russell, Kan.

GUERNSEY CATTLE.
FOR SALE: SOME HIGH-GRADE GUERNSEY COWS
fresh and springers; also some yearling heifers. One high grade bull, 1 year old. One high grade bull, 6 months old and 3 heifer calves. For information write DR. E. G. L. HARBOUR, Bx 113, Lawrence, Kansas

JERSEY CATTLE.
REGISTERED JERSEY BULLS \$50. COWS and heifers. PERCY LILL, Mt. Hope, Kan.

FOR SALE: Seven Registered Jersey cows and heifers, 2 registered bulls, 9 choice grade cows and heifers. ARTHUR CHASE, Talmage, Kan.

Hillcroft Farms' Jerseys
Herd headed by Queen's Fairy Boy, a Register of Merit bull out of a Register of Merit dam, by Raleigh's Fairy Boy, an undefeated champion. Sire of more B. of M. cows than any other imported bull. Write for pedigree. M. L. Golladay, Prop., Holden, Mo.

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

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

Meuser & Co's Shorthorns
Nine, nice young Scotch topped bulls, reds and roans, ready for service. They are by Sycamore Chunk, by Mistleton 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.

FARMERS MAIL & BREEZE
ENGRAVING DEPARTMENT
TOP OF KANSAS
CUTS OF YOUR LIVESTOCK FOR LETTERHEADS & SALE CATALOGS

HOLSTEIN CATTLE

Young Registered Holstein Bulls with good A. R. O. backing. H. N. Holdman, Meade, Kansas

Two-yr-old Registered Holstein Bull, guaranteed, price \$225, delivered. A. Recker, Dresden, Kan.

2 Registered Pure Bred Holstein Bulls For Sale from A. R. O. dams. Age nine and eleven months. P. W. Enns, Newton, Kan.

Segrist & Stephenson, Holton, Kansas Breeders exclusively of purebred, prize-winning, record-breaking Holsteins. Correspondence solicited. Address as above.

Braeburn Holsteins Heifers by a bull from this herd will yield 10-50% more than their dams. H. B. Cowles, 608 Kansas Ave., Topeka, 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.

CHOICE HOLSTEIN CALVES 12 heifers and 3 bulls, 16-18ths pure, five to seven weeks old, dandy marked and from heavy milkers, at \$25 each. Crated for shipment anywhere. FERNWOOD FARMS, WAUWATOSA, WIS.

W. H. Mott, Sales Manager Compiling catalogs, Pedigree reading at the sale and a general knowledge of conducting public sales enables me to render valuable assistance to parties holding registered or high grade Holstein sales. For terms and dates address, W. H. MOTT, Herington, Kansas.

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

Purebred Registered **HOLSTEIN CATTLE** Send for FREE Illustrated Booklets The Holstein-Friesian Association of America, Box 292, Brattleboro, Vt.

SMITH'S HOLSTEINS I am offering for sale 10 head yearlings, and 20 head of two year old heifers bred to Prince Ormsberg Homestead De Kol. These are all high grade heifers. J. J. Smith Stock Farm, R.F.D. No. 2, Lawrence, Kan.

For Sale: Holstein High-Grade Heifers Fresh this month. High quality, priced low. Also some calves. C. A. FEES, ROUTE 4, WICHITA, 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, Ka.**

HOLSTEINS On account of going to war I will sell 12 choice, high grade Holstein cows, all milking, all good colors and in first class condition. If you see this bunch you will want them. Write or call. **O. L. HITE, R. 7, TOPEKA, KANSAS**

Maplewood Farm Holsteins Home of Canary Butter Boy King We offer a few choice coming 2-year-old heifers that will freshen this fall and winter. Also choice bulls, some of them ready for service. Bulls by Canary Butter Boy King and a few of the heifers. **Mott Bros., Herington, Kansas**

SHEEP 10 yearling bucks at \$40 each. Shropshire, very high grade. These bucks sheared 16 1/2 pounds wool last May, each. F. o. b. Harveyville, Kan. Address H. C. SHAW, Reference Harveyville State Bank.

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

SHEEP Shropshire Hampshire Southdown REGISTERED 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**

Breeding Sheep For Sale Selected Shropshire grade ewes, western range ewes, registered Shropshire bucks. All desirable ages and fine condition. For prices and information address **Geo. C. Richardson, Tonganoxie, Kansas**

beginner. There will be 230 choice females in the sale and 75 calves are free with these cows. There will be 20 good young bulls old enough for service. Splendid attractions in the sale are 40 big top notch cows with calves or bred to the great Monarch. The catalog is ready to mail and tells it all. Write today and you will receive it by return mail. Address J. O. Southard, Comiskey, Kan., and mention the Farmers Mail and Breeze.—Advertisement.

Nebraska and Iowa

BY JESSE R. JOHNSON

The vonForell Bros. Aug. 31 dissolution Poland China sale will afford a most excellent opportunity for readers of this paper who are in the market for foundation stock. The 14 tried sows that go in this sale, bred to great boars, include some of the best sows to be found in any herd in the state. Among them are daughters of Mc's Sampson, the international grand champion; Big Bone; Jumbo Chief Jr.; Orphan Surs; Crescent Jumbo; Big Joe and other noted boars. They are sows that have been bought at long prices as foundation sows. They have been selected carefully and all of them are right in their prime. A good selection of fall gilts and a few spring boars and gilts make up the sale. The pigs by the herd boars, Jumbo Bob, by Caldwell's Big Bob and Mc's stretch and quality. This great pair of boars are also included in the sale. This sale is being made to close up a partnership owing to the fact that the junior member of the firm has been called into service. Because of the scarcity of help it has been decided to put all of the big, valuable, tried sows in this sale instead of holding them for the winter sale. Now is the time to buy. Write for catalog and mention this paper. Parties unable to be present should send bids to Jesse R. Johnson in care of vonForell Bros., Chester, Neb.—Advertisement.

S. E. Kan. and Missouri

BY C. H. HAY

W. T. McBride, Parker, Kan., has been compelled to change the date of his Red Polled cattle sale from September 5th to October 8th. Mr. McBride will sell Duroc Jersey hogs on September 4th. Any of our readers who are interested in Red Polled cattle or Duroc Jersey hogs should keep these dates in mind. A request for a catalog now will insure you of a catalog when they are ready to mail. When writing please mention the Farmers Mail and Breeze.—Advertisement.

Andrews' Hereford Dispersion.

On Friday, August 30, Wm. Andrews & Sons, well known breeders of the great Bonnie Brae family of Herefords will disperse, at Oak Grove Farm, Morse, Iowa, (farm opposite railroad station), a superb collection of Hereford stock bulls and breeding cows and heifers. This offering abounds in special features with the famous herd bull Bonnie Brae 37th heading the list. Now seven years old, Bonnie Brae 37th has proved a great sire, as his get in this great dispersion will amply prove. He was an international winner in 1911, as a senior calf. Among the others are three great two year olds: Bonnie Brae 101st, dropped January, 1916, that stood third at the last International, as a junior yearling, and is said to be the best Bonnie Brae yet produced. Bonnie Brae 104th has the length, scale and size to qualify him for a top notch herd bull that will mature at 2,600 lbs. Lanthus Donald 14th, dropped October, 1915, by Sir Donald 12th, dam Belle Donald 103d, is one of the choicest plums of the entire offering. Other splendid Bonnie Brae bulls include Beau Gossamer, Bonnie Brae 113th, Bonnie Brae 115th, Bonnie Brae 112th. The breeding matrons include the daughters of the grand champion Bonnie Brae 3d, that heretofore have been held priceless, but in this dispersion the choicest of them are now put on the market. These with the daughters of the grand champion Princeps 4th, Beaumont, Beau Dandy, Handsome Lad, and other noted sires that have produced Wm. Andrews & Sons' best Bonnie Braes from time to time will be offered the public at their own terms. About twenty of these splendid cows will have calves at foot. Twenty-nine of the cows and bred heifers will sell safe in calf and many will be close up to calving on sale day. Ask for catalog, mentioning this paper and it will be forwarded cheerfully and at once. Address Wm. Andrews & Sons, Morse, Iowa.—Advertisement.

Shorthorn Premiums Increased

Word has just been received from Secretary F. W. Harding of the American Shorthorn Breeders' association, that the appropriation of that association to the Shorthorn premiums of the Kansas Free Fair has been increased from \$2,150 to \$2,505.

This will give the Kansas Free Fair \$2,505 instead of \$2,150 as the amount of premiums that will be given by the American Shorthorn breeders' association. This means that all premiums listed in the Kansas Free Fair catalog by the association now will be increased considerably. Phil Eastman, the secretary of the Kansas Free Fair is to be congratulated on being able to get this increase in premiums.

Mr. Arthur Capper, Pub., Topeka, Kansas. Dear Sir: You will please discontinue my ads and send me statement of my account. I will commence advertising with you again in June on a larger scale. Allow me to say your papers have given me absolute satisfaction and your many favors have been highly appreciated by the writer.—Yours, J. M. Doyel, Dealer in Real Estate, Mountainburg, Ark.

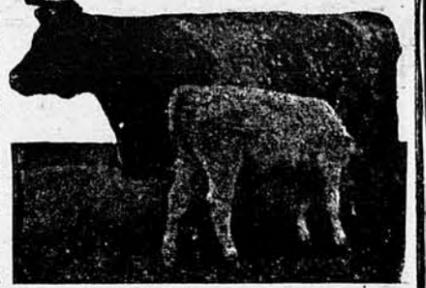
Farmers Mail and Breeze, Topeka, Kansas. Gentlemen: Please stop our advertising on fall boars as we are all sold out. Kindly send bill and will remit at once. Thanking you for the way you have handled our business we are—Respectfully, Willis & Blough, Breeders of Poland Chinas, Emporia, Kan., June 16, 1918.

SHORTHORN CATTLE

SHORTHORN CATTLE

Lookabaugh's Shorthorn Sale List

10 choice herd headers of the richest Scotch breeding, sons of Fair Acres Sultan.
10 Scotch herd bulls, sons of Avondale's Choice and Watonga Searchlight.
20 head Scotch heifers of reliable families.
25 Scotch cows, some with calves at foot and rebred.
15 Scotch topped farmer bulls on the milking strain.
35 bred heifers, red, white and roan.
25 open heifers on the milking strain.
40 Scotch topped cows on milking strain, weighing from 1200 to 1600 lbs., the kind that make good on the farm. Many of these have calves at foot and are rebred.
A carload of early spring calves, bulls and heifers.
Write or call on



H. C. LOOKABAUGH
Watonga Oklahoma

Dispersion Sale of Shorthorns and Percherons

At farm, two miles west of Lawrence, Kan. The Shorthorns will include 15 cows mostly with calves at side, and 5 year old herd bull, Marquis Cumberland 388134. Sire Cumberland's Best 334805. Dam, Anoka Mildred 64152, by Anoka Sultan 264212. Eleven registered Percherons, two gray stallions 6 and 3 years; a black and a gray 2 years; a black and a sorrel, 1 year, and black colt. Four brood mares. Date of sale, Thursday, August 29th. Two yearling rams and 12 ram lambs, registered Shropshires, at private sale. **G. F. Brown, Lawrence, Kan.**

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**

HOLSTEIN CATTLE

HOLSTEIN CATTLE

BLUE RIBBON STOCK FARMS HOLSTEINS—HOLSTEINS

The Blue Ribbon Stock Farms are offering 40 registered cows and heifers, some with from 25 to 28 pound A. R. O. records. Also 80 grade cows and heifers. A few choice registered bulls. We are short of pasture and will make special prices. Write us your wants. We sell dealers and we can sure sell you direct. **LEE BROS. & COOK, WABAUNSEE COUNTY, HARVEYVILLE, KANSAS.**

June and July Holstein Bargains

60 head of choice two-year-old high grade heifers bred to King Segis bulls to freshen in June and July. 50 springing cows, of good ages. 150 Heifers bred to freshen this fall. 19 registered bulls ranging in ages from six months to two years. Some of these bulls are 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. Shipments can be made on Mo. Pacific, Santa Fe and Rock Island.

HOPE HOLSTEIN FARM

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

SHEEP

SHEEP



SHEEP SHROPSHIRE SHEEP

150 reg. ewe lambs; 100 reg. ewes from one to four years old; 60 yearling rams; 15 two year old rams. 500 grade Shropshires. Prices and full information upon request to

J. R. TURNER & SON (Wabaunsee County) HARVEYVILLE, KAN. Farm three miles north of town, Alma-Burlingame branch Santa Fe

BONNIE BRAE HERE-FORDS DISPERSED

On August 30th we will put into the sale ring all the famous breeding herd of Bonnie Brae Herefords as well as the cows, heifers, bulls and calves that we had planned to reserve and show. Competent judges say this famous show and breeding herd's dispersion means the opportunity for many more breeders to dip unrestrictedly into this intensely bred Beau Donald blood. The offering comprises twelve bulls, including Bonnie Brae 37th, one of the few great sires of the breed, as well as a line of tried young sires of wonderful breeding promise and show ring possibilities. Nearly every animal of the 65 lots was bred by us. They have the true Bonnie Brae type—low set, well boned, straight backed, well sprung ribs, deeply covered loins and backs, typical Hereford heads and horns. The sort that have made this breeding establishment so heavily drawn upon by many breeders. If you are in need of exceptional Herefords and want to go into a famous breeding and show herd and pick just what you want, then we suggest that you

ATTEND THIS SALE WITHOUT FAIL AUGUST 30!

PARTICULARS NOW READY! In the catalog every lot is pictured. There are about 20 cows with calves at foot—cows that are tried and proved producers of the highest quality Herefords and whose calves will develop into as great Herefords as the young Bonnie Braes we will disperse on this date, Aug. 30. Ask now for full particulars. Don't buy Herefords before you attend this sale! Come here Aug. 30 and see this unexcelled breeding and show herd of famous BONNIE BRAES dispersed. Cancel all other dates for this day and event.

Auctioneers: Reppert, Magness, Miller and Casey
WM. ANDREWS & SONS, Morse, Iowa
Home of the Bonnie Braes



VonForell's Big August Poland China Sale

At farm near

Chester, Neb., Saturday, August 31

45 Head, All Immune and Including **45**
Our Great Herd Sows and Boars

This sale is being held to close out the partnership existing between the members of the firm, Cyrus, the junior member, having gone to war.

14 TRIED SOWS included in this sale are as good as ever went through a Nebraska sale ring. Four spring yearlings of great merit, 5 open fall gilts, 12 spring boars and 13 spring gilts make up the offering. We also sell the two great herd boars **JUMBO BOB**, the greatest son of the grand champion Caldwell's Big Bob and Mc's **SAMPSON** 2nd, a great son of the champion Mc's Sampson. This offering has been immuned and is first class in every way.

Write early for catalog and either come or send bids to Jesse R. Johnson in our care at Chester.

Auctioneer—Col. H. S. Duncan
Fieldman—Jesse R. Johnson

VonForell Bros., Chester, Neb.



Dispersion Sale of Herefords

Modern Hereford Sale Pavilion on my farm one mile north and five miles east of

Herington, Kansas, Thursday, August 29

130 head in the sale. 50 head one and two year old heifers, open; 25 cows with calves at side; 19 yearling bulls; three two year old bulls and 33 spring calves. I am going to breed Polled Herefords exclusively and am closing out my entire herd of horned Herefords. Anxiety breeding predominates this offering and it is certainly a great opportunity to buy at auction cattle of real merit. Catalog ready to mail. Address.

R. H. Longhofer, Herington, Kan.

Auctioneers: Fred Reppart and others.

AYRSHIRE SALE

Topeka, Kansas, Sept. 14, 1918,
at the Kansas Free Fair

Sale begins at 11 A. M. 50 head will be sold, consisting of cows, bred heifers, yearling heifers and a few choice bulls. This will be strictly a sale of good foundation stock. The consignment will be shown at the fair before the sale. Consignors—Aldebaran Farm, Racine, Wis.; James Van Etta, Lima Center, Wis., and Henderson Ayrshire Farm, Hudson, Ohio. For catalog write

D. M. Henderson, Hudson, Ohio, Sales Mgr.

Brown's Big Bone Type

The Poland China type that adds strength to the average herd

A public sale of 40 head, 11 tried sows, nine fall yearlings, all bred. 10 spring gilts and 10 spring boars, the 20 tops from 95 head.

Perry, Kan., Wednesday, August 28

The 11 tried sows are by Big Hadley Jr., Erhart's Big Chief, King of Kansas and Smooth Columbus. Two are granddaughters of old A Wonder and two are granddaughters of King of Wonders. The nine fall yearlings are granddaughters of Big Bob on sire's side and Smooth Columbus on dam's side and bred to a grandson of Gerstdale Jones. The 20 choice spring boars and gilts are the tops of 95 head, sired by Chief Miami and Gerstdale Jones Again. This is your opportunity to buy individuals and breeding that will cost you more than double later on. It is an exceptional offering in both blood lines and individual merit. Catalogs ready to mail. Address

Walter B. Brown, Perry, Kansas

J. C. Price, Auctioneer. Send all bids to J. W. Johnson in care of Walter B. Brown, Perry, Kan.

Dispersion Sale of Pond View Holstein Cattle

Hutchinson, Kan.

Wednesday, Sept. 4, 1918

**100 Head Big Useful Producing
Registered Holsteins**

47 cows, 2 to 7 years old, milking or due to freshen early this fall, bred to KING SEGIS PONTIAC RAYMOND No. 186663.

25 coming two year old heifers bred to POND VIEW KING SEGIS PONTIAC NO. 201632.

12 spring heifer calves.

2 herd bulls above mentioned, 4 yearling bulls and 4 bull calves, 8 grade heifers. Several with A. R. O. records. All tuberculin tested and sold subject to 90-day retest. Write for catalog and come to sale.

S. E. Stoughton & Sons

Rt. 4, Hutchinson, Kan.

Auctioneers—John D. Snyder, R. E. Calbert. Fieldman—A. B. Hunter.
Hourly interurban service Wichita to Hutchinson and return.

Monarch Hereford Sale Comiskey, Kan., Sep. 3-4

400 Registered Cattle—150 Hampshire Hogs

190 thrifty, broody heifers, 150 cows—75 calves at foot—and a lot of good bulls, including some outstanding herd header material by the mighty Monarch. The cows are bred to Monarch, King Farmer and Laredo Lad. The catalog tells the whole story. Write for it today and mention this paper. Address,

J. O. Southard, Comiskey, Kansas

Overland

TRADE MARK REG.

The Thrift Car



Reins or Steering Wheel?

A LONG, tiresome, time-wasting drive with horses is a short, pleasant, time-saving ride with an Overland.

Let an Overland perform innumerable work duties for you and *in addition* be an endless source of recreation and benefit for every member of your family.

Select this beautiful, roomy Model 90 and you save money in the first costs and maintenance.

You cannot get complete satisfaction from less advantages than it gives—

And you cannot get as much *value* in any other car for the low price of this Model 90.

It has a powerful, fuel-saving motor; narrow turning radius; rear cantilever springs; 106" wheel base; 31x4 tires, non-

skid rear; electric Auto-Lite starting and lighting and vacuum fuel system.

Because this Overland Model 90 gives *every* essential for complete satisfaction, the farmer's family can *enjoy* it as much as the farmer can *employ* it.

Five Points of Overland Superiority:

Appearance, Performance, Comfort, Service and Price

Light Four Model 90 Touring Car, \$895

Willys-Overland Inc., Toledo, Ohio
Willys-Knight and Overland Motor Cars and Light Commercial Cars
Canadian Factory, West Toronto, Canada
Catalog on request, please address Dept. 1203

f. o. b. Toledo Price subject to change without notice.