FARMERS MAIL AND BREEZE

Volume 42

June 8, 1912

Number 13



Place of H. C. Young, a Mail and Breeze Reader, Who Got His Start with a Few Cows

DISTANT pastures look greener; the country invites the city man and town looks good to country folks. We like a change; there is gypsy blood in all of us we all have that far-sightedness which sees opportunities mostly in the distance. In his next Mail and Breeze article F. D. Coburn will print something that is good for that feeling. He will point out some good things in the home job. It's a fine bracer and will do you good.

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WhatFarmers **Are Thinking**

You are cordially invited to air ye opinions in this column, but the Mail and Breeze reserves the right to condense such statements as far as possible to give other contributors a chance to say something. Short, crisp expressions of opinion on matters of interest or con-sequence to farm folks are welcome. All contributors must take their turn.

Capper An Unusual Man.

Mr. Editor-I have read Arthur Capper's life story with great interest, and from what I have read about him so far I think he is a good, level headed, remarkable, selfmade man, who stands at the head in a class by himself. I consider him an honest man in every particular and will try to have my friends and neighbors vote for Capper for governor. An R. 1, Durham, Kan. Amos A. Koehn.

Tax Narrow Tired Wagons.

Mr. Editor-I have traveled over many miles of road in Kansas, Missouri, Arkansas and Oklahoma, and have never yet found a road where the narrow tired wagon was not a detriment to the roadway. I have had 12 years of experience with wide and narrow tired wagons, and road drags, and am confident that a law taxing narrow tires and forbid-ding their sale after a certain time, would do as much for the cause of good roads as the use of the road drag, which so far has done more than anything else. This is the time to start the wide tire movement as it will take time to get the people educated to the point of appreciating the good that will come of it.

C. S. Perkins.

Oswego, Kan.

Tax on Improvements Unjust.

Mr. Editor-There is not a man who has any energy about him at all who would not like to fix up his home and improve the looks of the place. But he sees heavier taxes ahead on every dollar's worth of improvement he puts up so he decides not to do any more in this direction than he must. It is easy to see that the high tax on our improvements is responsible for keeping our county back. It would be far better to take the tax off all improvements and so let the people put up good substantial buildings, fences, etc. There are thousands upon thousands of acres of land on which the owners pay little in the way of taxes simply because they have no improvements on the land. Put the tax on real estate, not on the imhave a decent house and a carriage in which to ride. Make the lords and land speculators pay their share of the taxes. Nickerson, Kan. E. B. King.

Recall the Public's Betrayers.

Mr. Editor-The question is often asked why the people stand for the various grafts in existance and why we do not elect honest men to office. How are we to know an honest man until after he has run the gauntlet of the high-finance bribers? Then why would it not be a good thing to recall the be-trayer of a public trust? When office holders find they must give all a square deal or abdicate then we may get a parcels post, a safe place to put our small savings, and a few other concessions that have been withheld for years The farmers are systematically robbed from one year's end to another; they lose on every transaction, buying or selling. But we are learning with a rush that is amazing and Editor McNeal is doing his part, through which many a toiler is encouraged to better things L. M. Ledbetter.

R. 1, Booneville, Ark.

[No question but that the people should have the right to "hire and fire" their public servants. And the recall, as a method of "firing," is simplicity itself compared with impeachment proceedings and the law's delays,—Ed.]

Horses Getting Better Treatment.

Mr. Editor-It is a fact to be regretted that many drivers of delivery wagons, express wagons, etc., were never intended to handle the reins of a horse. We also find persons on the farm who once and get the do not have the love for animals that special low offer.

should characterize a son of the farm. "He is rough with horses" is a frequent remark and it is only too true, for his voice may be heard across the fields a mile or more while other men with teams nearby hardly utter a sound to

their horses.

But on the whole I do not believe horses are faring worse than they did 25 years ago, nor would many horsemen horses are not as well trained now. In these days there is much to encourage proper training and care of the horse. Most farm papers devote considerable space to the subject and with the improved farm machinery farm work is made much easier and less nerve racking. The nerve racking things used to be the cause of much abuse to the poor horse when some inanimate object was the real offender. W. F. Cawgill. West Manchester, Ohio.

Why It Costs More To Live.

Mr. Editor-It iseems to me the high ost of living is but the natural result of economic conditions. For the last 10 or 15 years the national cry has been for higher wages and higher prices. Carpenters asked for more wages which made houses cost more. Miners struck for shorter hours and the cost of fuel went up. The manufacturer put in improved machinery and then said he must have more to pay the interest on the in-creased valuation of his factory and equipment. So the price of clothing and other necessaries went up.

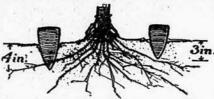
Then the merchant and the salaried man had to have larger incomes in order to buy as freely as formerly of the goods that others produced. Now they are all finding that though the returns are all larger they buy only a living in the end. It is not the number of dollars that a man earns each week that counts so much as the bushel of potatoes, tons of coal, and suits of clothes his wages will buy. President McKinley once said: "We cannot expect always to buy cheap and sell dear. It is the farmer, how ever of all men who has seldom been in a position to demand an increase for the products of his labor. He is the one who asks, "What are you paying?"
Otley, Ia.

K. B. Rigoulet.

When Work Corn Shallow?

AND WHEN DEEP?

The discussion over shallow and deep cultivation of corn is on again. There is really not a great deal to say on the subject but a few points are of vital interest. Investigation has shown that by far the largest number of the roots of corn plants are found in the first 12 inches of soil and they are especially abundant within 4 inches of the surface. Until corn is 2 or 3 inches high the roots



JUST A DIFFERENCE OF AN INCH.

have spread out but little and the first cultivation may be deep for this reason. But long before the plants are 6 inches high the lateral roots have extended themselves half way across the row and these first roots come nearest the surface. To cultivate deeply then means that the food supply will be reduced to just the extent that the roots are broken off. Cultivation should not be more than 21/2 or 3 inches deep at this time and the shovels should not run too closely to the plants. From that time on the corn should be worked merely for the purpose of keeping down weeds and stirring the soil

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Volume 42 Number 13 TOPEKA, KANSAS, JUNE 8, 1912.

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KANSAS SOIL IS CALLING FOR A NEW DEAL

"The Dairy and Livestock Special" was the name of the train conducted by the Union Pacific Railway company over its Kansas lines May 27 to June 1. The speakers were from the Kansas State Agricultural college They were E. H. Webster, George C. Wheeler, O. E. Reed, George S. Hine, H. L. Kent, J. H. Miller, Frances L. Brown and Mrs. Mary E. Simmons. The route was first over the Oakley branch, commencing at Culver in Ottawa county, thence to Plainville, Colby, Oakley and intermediate points, thence to Sharon Springs on the main line, thence east to Junction City, to Clay Center, Holton, Leavenworth, and other points, closing the work of the busy week at Lawrence

O TRAIN of its kind in Kansas was ever more successful than the Dairy Special which toured parts of Kansas last week. I have seen larger crowds of people on similar trains at individual towns, as at Marion and McPherson hast summer on the Rock Island Wheat Special, but I never saw an attendance so evenly sustained. There was great interest in both the eastern and western portions of the state. The total attendance was well over 10,000. Russell, Wilson and Ellsworth turned out in largest numbers, and a fine body of people they were. As many as seven lectures were delivered at one time at a few stations.

Two cars were reserved for the men, one for the women and one for the boys and girls. Many over-flow meetings were held in waiting and baggage moms and on the shady side of railroad stations.

Dairy and livestock matters were discussed in all the cars, and the boys and girls and the women showed an interest as great as that shown by the

It was strongly insisted upon that livestock is absolutely necessary to a permanently successful agniculture in Kansas, as history has proved it to be necessary everywhere. Exclusive, or nearly exclusive, grain farming, can only be carried on successfully, in a new country, for a limited period. The end of this period has been reached in all parts of

Livestock farming in some form is essential for a wariety of reasons. Wheat farming, for example, is mpidly exhausting the humus in the soil which has been accumulating for many thousands of years. This humus is evident in the form of what may be called decaying vegetable mold. In order to produce

militale

How to Meet Changed Conditions the Reason For the Dairy Train

BY E. W. RANKIN of Farmers Mail and Breeze

good crops humus is necessary. It is on account of its absence, chiefly, that we often speak of land, which has been farmed only a quarter of a century, as "wornout," an absurd, unnecessary condition, when we remember that land that has been farmed in Europe for many centuries, no better than ours, is producing more than ever before; its productive powers, due to a correct system of handling, increasing now more rapidly than in the past.

powers, due to a correct system of handling, increasing now more rapidly than in the past.

Our land is still fertile. Humus is not another name for fertility precisely, but its presence in the soil is necessary in order to make its fertility available for growing cross.

able for growing crops.

The "blowing" of the soil which we witnessed on a portion of the trip was due chiefly to lack of humus. Plenty of humus would have "held it down" effectively. Humus also serves to conserve moisture. It is possible over much of western Kansas to increase the water holding capacity of the soil nearly.

Humus may be retained in the soil, or increased, by a system of farming, of which livestock, in some form, or a variety of forms, is the basis. It cannot be done by a one crop system, especially if this one crop be wheat. Humus may be put into the soil most effectively by means of barnyard manure, and by certain green manuring crops plowed under, such as rye, sorghum or cowpeas. Summer fallow was also strongly recommended. It has been followed in all ages by agricultural peoples and is followed now in western Canada, a newer country than Kansas, to its great profit.

The speakers did not hesitate to speak plainly about conditions in Kansas, these same conditions existing also in other great agricultural states. It was asserted that the continuous effort in many portions of western Kansas to grow wheat and corn almost exclusively is bad practice.

Figures covering a period of from 18 to 30 years from the records of the state board of agriculture show that in no county in the northern half of the

state as far west as Ellsworth county has the average yield been more than 11 bushels to the acre. The average has been from 4 to 11 bushels, and the average value of the wheat crop per acre from about \$3 to about \$8 per acre. And the figures show also that the first half of the period covered made a better showing than the latter half. Is there profit in growing wheat under these circumstances? In one of the very best wheat counties, where the average per acre for 30 years has been 10 bushels per care, one of the speakers asked the farmers present whether they would go on raising wheat if they were sure that in the future an average of 10 bushels was the best they could hope for. The answer was emphatically in the negative. And yet it is as certain as anything that under present methods of farming, an average of less than 10 bushels will be secured in that county in the future. Our farmers plant wheat yearly with the expectation of raising not an average crop, but a crop of the bumper variety, whereas the reasonable expectation is that the crop will be an average crop. Too many of our farmers, real estate men, yes, and agricultural papers, have had their eyes on the years when large crops were produced, while the lean years have been conveniently forgotten. The farmer often plants the crop with the uncertain prospect that if he gets a big crop he can sell his farm at a nice profit. But is not such a farmer rather a speculator in real estate rather than a farmer, and isn't it about time we came to the end of that sort of thing?

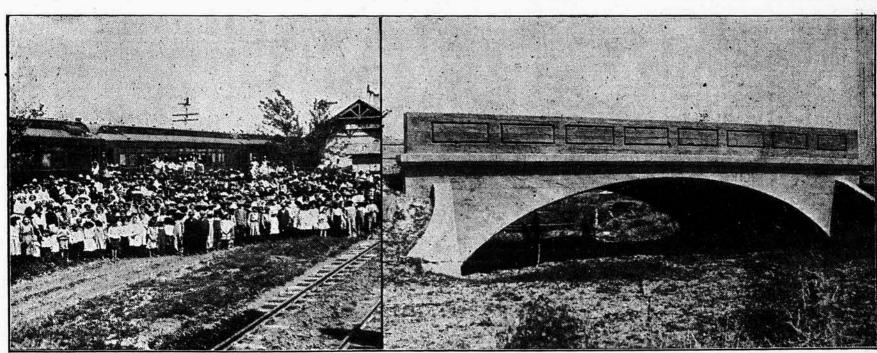
There are other remedies for the conditions described, but on this train the chief prescription was "more and better livestock" as absolutely the only means by which farming may be made permanently profitable, and possible even, for farming cannot be permanent unless it be profitable.

In the county referred to in the foregoing if the wheet yield can by prepar methods be reject from

In the county referred to in the foregoing if the wheat yield can, by proper methods, be raised from 10 to 20 bushels per acre the profit will, of course, be a good deal more than doubled. The extra yield will be practically "velvet." Livestock as the means of raising more wheat on fewer acres was the thing insisted upon.

The kind of livestock is not so important. This must depend chiefly on the "taste and fancy" of the farmer. Western Kansas, all of Kansas, is fine livestock country. The stock may be horses, especially draft horses, cattle, beef or dairy, hogs, sheep, poul-

(Continued on Page 21.)



The picture on the left shows the audience that heard the speakers of the dairy special at Quinter in Gove county. Wherever a picture was taken it was "women and children first;" the men folks lined up in the rear. The picture on the right was a "snapshot" taken near Hill City and shows the kind of bridges they are building in Graham county. The camera artist of the tour was G. C. Wheeler, livestock specialist of the college extension department at Manhattan, and editor of the "Feeds and Feeding" department in Farmers Mail and Breeze.

The Farmers Mail and Breeze

PUBLISHED WEEKLY AT and Jackson Streets, Topek

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

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E. W. RANKIN. Advertising Manager.

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



PASSING COMMENT T.A.McNeal.

THE POLITICAL Political situations are shifting situation. and changing with such rapidity these days that it isn't safe to without a considerable number of

ifs and buts.

Two months ago I would have said that the nomination of Roosevelt at Chicago would be impossible. I now think that it is not only possible but altogether probable. Whatever you may think about Roosevelt, if you are fair minded you must acknowledge that he is one of the most marvelous personalities this country has ever produced. No other man could have won the fight that it now looks probable he will win.

And in case of his nomination, what then? On the face of it it looks as if his election is almost among the impossibilities, but the past has shown that Roosevelt can not be judged by the same rules as other men. If the Republicans who have opposed him believe what President Taft says about Roosevelt and what they have said and are saying about him, they can hardly consistently vote for him in November. The Democratic party seems on the surface at least to be fairly well united. If it remains united and a large share of the followers of Taft refuse to vote for the Colonel the ordinary political prophet would say that his election is an impossibility. Yet there is just as much reason to believe that he will be elected if nominated as there was a few months ago to suppose that he would be nominated. It comes back to the proposition that you can't measure Roosevelt by ordinary rules. He

A few months ago I attended the Democratic banquet in this city. I sat beside a young Democrat from out in the center of the state. He told me confidently that if Roosevelt should be nominated in his township there would hardly be enough Democratic votes to pay to count. Maybe he didn't know what he was talking about but that was the way he felt about it. If he was right and the same condition prevails in a good many other neighbor-hoods in this and other states then Roosevelt may lose the radical standpat Republican vote and still be elected by a large majority. This fact must also be considered. While Mr. Taft and his leading lieutenants feel desperately bitter toward Roosevelt the mass of the voters, who have supported Taft in this campaign for nomination, are not so much worked up about the matter. Taft is not the kind of a man whom other men will follow to the death.

Even his supporters do not warm up to him and when he is down and out a great many of them who voted for his delegates will not shed many tears. There are men who are born leaders of other men. When one of that kind of men is defeated his followers take it as a personal affliction and there is no such thing as reconciling them to his defeat. Such a man was Andrew Jackson. Andy had bitter

opposition in the ranks of his own party. He was either loved or hated with a bitterness that can hardly be understood in this day when men do not take politics as seriously as they did then. Andy managed to win his fights but if his enemies had defeated him say for a second nomination his fol-lowers could never have been reconciled to his defeat. They would have voted for his opponent in order to have revenge.

Henry Clay was another of the same kind, not the fierce fighter that Jackson was, but a born leader of men. It is said that when he was de-feated many of his followers wept like children. Nothing could reconcile them to the defeat of their

idol. Men will not weep for Taft.

James G. Blaine was another born leader of men, possessed of that marvelous magnetism that drew multitudes to him. He was not perhaps an abler man that Ben Harrison, for intellectually I think Harrison ranked among the first of our presidents. Plenty of men wept when Blaine was defeated but I never heard of anybody, unless it was a member of his own family, shedding tears when Harrison went down. That wasn't because he had not made a good president. It was because he lacked the element that tied men to him.

The followers of Blaine were willing to see Harrison defeated just to get even for the defeat of their great favorite, but if Blaine had been nominated instead of Harrison the most of Harrison's supporters would have supported Blaine because they wouldn't have had any particular grief on account of Harrison's defeat. So while the leaders of Taft's forces will feel so bitter in case of Roosevelt's nomination that they will not support him, that feeling will not extend to the mass of the Taft supporters. They are willing to support Taft but they will not gnash their teeth or howl with disappointed rage or weep bitter tears if he is defeated.

In Kansas there is no doubt in my mind that Roosevelt will carry the state easily if nominated, and yet there are to be some surprises, I think, in Kansas. I have been knocking round the state considerably and have tried to get all the pointers I could. Roosevelt will carry the state I think, strongly, if almost any other man is nominated by the Democrats except William J. Bryan. If Bryan happens to be the nominee the race between him and Roosevelt, so far as Kansas is concerned, will be close. I think that three Democrats out of four that I have talked with would rather see Bryan nominated then any other man mentioned and if he should be nominated a good many of the Democrats who would vote for Roosevelt, as against almost any other Democrat, would vote for Bryan as against Roosevelt.

Another thing that I think will surprise a good many people will be the strength that will be shown by the Socialist party. Everywhere I go I find Socialists active and enthusiastic. The highest Socialist vote heretofore cast in Kansas was about 16,000. I shall not be at all surprised to see 40,000 Socialist votes cast in this state this fall and if the vote reaches 50,000 I will not be astonished. If there is the same comparative increase all over the country the total Socialist vote at the next general election will not fall much under a million and a half. The leaders of the Socialist party have shown more po-litical wisdom than ever before. There is an ele-ment in the party that believes in violence but that element is in the minority. The wise leaders of the Berger order, understand that a peaceful propa-ganda is more effective than violence. They also understand that they cannot on the one hand de-nounce standing armies and navies and at the same time encourage violent methods, or resistance, to constituted authority. They understand that where there is an outbreak and violence and dynamiting of manufacturing plants or of buildings belonging to capitalists that the trouble is apt to be charged up to Socialists and tends to create a prejudice against

Job Harriman in all probabiliy had nothing whatever to do with planning the dynamite outrage in Los Angeles, but he was attorney for the McNamaras and, when he became a candidate for mayor of the city, his name was connected with that of the dynamiters. The result was that he was overdynamiters. The result was that he was over-whelmingly defeated. If it had not been for that he might have been elected. Socialism has more to fear from the turbulent element in its own ranks than it has from the outside opposition and Berger knows that.

M. M.

POLITICS IN I did not have much time or op-THE SOUTH. portunity to study political conditions in the South while I was there, but I found out enough to lead me to a few conclusions that may or may not be accurate. So far as the Republican party in the South is confar as the Republican party in the South is con-cerned, outside of perhaps two or three states, there is no hope for it. Nobody takes it seriously. It may be that in time there will be an opposition party that will give the Democracy some trouble but it will not be the Republican party. The race question still dominates politics in the South not-withstanding the fact that the negro has been practically eliminated from participation in political affairs.

White Republicans who settle in the South either vote with the Democrats or do not vote at all. Most of them will acquiesce in the statement that the southern man's way of treating the black race is the proper way. Notwithstanding this fact, however, I came back more firmly convinced than I

ever was in my life before that the southern plan of treatment of the black race is not only fundamentally wrong, but that it is doing immense dammentally wrong, but that it is doing immense damage to the South and to the whites as well as the blacks. I am not disposed either to harshly crit-cize the southern white man. As a rule he is a pretty good fellow and honestly believes that his way of treating the "nigger" as he invariably calls him, is the right way and the only way. If I had been born and reared in the South I have no doubt I would believe the same thing but the lorie of I would believe the same thing, but the logic of facts is against the southern white man's view.

The policy of the South is based on this often repeated statement, "You must make the nigger keep his place." Everything is done to humiliate him, to impress upon him his inferiority and the utter futility of his ever trying to amount to anything as a factor in public affairs. No matter whether he and this content him to supply the state of conducts himself peaceably and tries to educate himself and his children or not. No matter whether he accumulates property or not, he is still referred to contemptuously as "nigger." Of course the southern man will grant that there are good "niggers" and bad "niggers" and speak of them in exactly the same tone of voice and with the same distinction as to kinds that they would speak of a good mule and a mean mule. A good workable mule is of course more valuable than a mean, balky mule but both are just mules. If the negro works faithfully and on every occasion takes pains to show that he regards himself as the inferior of the white man and demeans himself with servile humulity he is designated as "good nigger," one who knows his place. I have no doubt that in such a case a good many white men would object to seeing this "good nigger abused, just on the same theory that they would object to seeing a good mule abused.

The effect of this treatment is to destroy to a large measure the negro's self respect. In a great many cases, possibly in the majority of cases he has accepted the white man's estimate of himself, which means that he is practically hopeless concerning the future. Self respect is the most valuable and important thing in human character. Without it no man white or black can be really a good and useful man. Destroy a man's self respect, belief in him-self, hope for the future and one of two things happens to him. He either becomes a criminal or a

What do the records show in the South so far as the negro is concerned? Take the state of Florida as an example, and it is one of the fairest states in the South. Forty per cent of the inhabitants are black, 60 per cent white. The whole population is less than half that of the state of Kansas, and ye. Florida has almost 300 more inmates in the penitentiary than Kansas. Out of the 1,100 convicts in the Florida penitentiary some 1,050 are colored and about 50 white. That indicates one of two things, either that the negro does not have an even in the courts of Florida with a white man or that the tendency of the system under which he is governed is to make a criminal out of him. The probability is that both things are true. Accusation of a crime in the case of a negro is probably about the same as conviction and as the negro sinks into a condition of hopelessness, as he loses his self respect and acknowledges his inferiority his tendency is to loaferism and crime. The white man holds out to him no helping hand, offers him no word of encouragement but visits upon him terrific punishment when he violates a law he had no share in

making and which he but dimly understands.

The effect on the white race as it seems to me is almost as damaging as on the black. Work is regarded as a nigger's job. Dire necessity and poverty may compel a white man to work, but he regards it as a calamity and disgrace. Poor white trash and niggers have to work but no white "gentlemen" will solve it have to be a superior will be a superior with the superior will be a superior will be a superior will be a superior will be a superior with the superior will be a superior w tleman" will soil his hands with toil if he can help it. It is bad for any country when the impression is prevalent that labor is a disgrace, that it means social inferiority. The inevitable result is to build up distinct classes, the idle aristocracy and the ignorant serving class. The aristocracy in the South has largely gathered into the cities and towns. The tenants who do the work on the lands live in miserable tenement houses such as no respectable laboring man in the North would be willing to live in. As a result of this social condition lands in the South do not advance in price as in the North. When I speak of the South I do not refer to the fruit and vegetable growing section of Florida. The lands there are being taken up by northern men with northern ideas and without the southern objection to labor.

There has been a good deal of talk about what the southern whites are doing for the negroes in the way of education. It has been claimed that the negro children have equal educational facilities with the white. That is not true. Educational facilities for negroes in the South, so far as public schools are concerned, seem to me to be based on the theory that "anything is good enough for a 'nigger.'" And it must be said that if the theory is to prevail that the black man is always to be only a menial; if he is always to be deprived of the privileges of citne is always to be depriver of the privileges of cit-izenship; if the doors of opportunity open to other men are always to be shut to him, then the position taken by Vardaman that money spent in educating the blacks is money wasted, seems to be rather log-ical. Of what benefit is it to the black man to fit him for the privileges of citizenship if he is never to be permitted to enjoy those privileges? The most acute punishment described in ancient mythology

was that meeted out to Tantalus whose lips were permitted to almost touch the most delicious fruits but who was never permitted to taste the same. To give a man education without permitting him to enjoy the privileges and opportunities that education brings is only to accentuate the misery of his sit-uation and make him more discontented with his

lot in life.

The policy that is being pursued in this country toward the black man is I believe gradually driving the iron into his soul. It is making him an Ishmaelite who feels that the hand of every man is against him. I watched the faces of a good many blacks in the South. It seemed to me that most of them showed a look of sullen hopelessness. The rule seemed to be that no white man spoke to a black except to command. In Topeka when a white man meets a black man with whom he is acquainted he speaks to him in a friendly way, but I saw nothing of that in the South. I do not say that there is no such thing as friendly intercourse between the two races in the South, but I will say that I did

On the theory that every problem will be solved in time I presume that the race problem must be nearer solution than it was 47 years ago when the war ended and the 4 million slaves found themselves invested with nominal freedom; but to the human eye and mind, unable to look into the future, it does not seem to be any nearer solution than it did then Here and there a black man seems to have surmounted the tremendous barriers to his progress and at-tained to a considerable degree of respect and con-sideration among the whites of the country, but these cases are so rare as to attract general remark.

And it is a question whether or not these few are looked on with general favor.

I do not think that a great many of the whites in the South look on the "educated nigger" with much favor. They believe that he is putting false retires into the midd of the received and making them much favor. They believe that he is putting false notions into the minds of the race and making them believe that it is possible for them to become the equals of the white man. This race problem is no easy one to solve. It is useless to ask the whites to grant to the black man equal political and civil rights. They have him down and intend to keep him down. They honestly believe that that is the only way to treat him. The white preachers preach about the brotherhood of man but they don't believe it. Just as before the war the preachers of the South not only did not attack the doctrine of human slavery, but on the contrary hunted dilligently for passages of Scripture that could be construed as upholding the institution, so now the church can be

relied on to defend the present system.

If it were possible to give the blacks a territory of their own, where they could have a fair show to work out their own destiny, to demonstrate whether or not they had the capacity of self government, that it seems to me would be the best solution of the problem but so far there is no prospect as I can

see of obtaining any such territory.

*

A TRIBUTE TO A subscriber, H. C. Berlew, writ-THE IRISH. ing from Lucas, Kan., says:

wish to say that your eulogy on the Irish strikes me as about right. Any one reading the history of the Irish Ninth Massachusetts in the Civil war, would know that the Irishman stands for liberty first, last and all the time. And he knows how to get it, especially if it takes hard fighting. They've all got the fighting blood, 'Kelley, Burke and Shea.' I'm mighty proud of my Irish blood. I've been a worker for 50 years and hayen't always lain on flowery beds of ease. My Irish blood has carried me through and I am a pretty hardy old duck yet. It's the likes 'av me that believes in liberty, if yez have to fight for it.'

Down at the Oklahoma Agricultural College Experiment farm for BRAINS AND THE SOIL. a series of years they have been

trying an experiment on two pieces of land lying side by side. The soil of each is the same. One tract has no natural advantages over the other. But one tract has been fertilized with common barnyard manure, while the other tract has not been fertilized. The result has been that while the one tract has produced during this series of years an average of nearly 24 bushels of wheat per acre, taking lean and good years together, the unfertilized tract has produced an average of about 14 bushels per acre during

the same period.

This is not a theory. It is a fact demonstrated a number of years of actual work. It is that in spite of the best farming that can be done there may be exceptional climatic conditions that will make it impossible to grow a crop in parts of Kansas some years, but there is no sort of doubt that intelligent farming can increase the crop yield in the average year from 75 to 100 per cent above the yield of land cultivated in the ordinary manner. With land selling in the best farming sections of the state at from \$125 to \$150 per acre it means something to increase the yield of each acre by from 75 to 100 per cent. If a farmer has to pay \$150 per acre for land, he cannot afford to raise wheat on acre for land, he cannot afford to raise wheat on that land at the rate of 14 bushels to the acre. The fixed charges such as the cost of putting in the crop, the cost of the seed, the cost of harvesting and threshing the crop; the taxes that the farmer must pay, together with even a small interest on the

amount he has invested in the land eats up the price of his wheat at harvest time and then some. As the population of the world crowds more and more on the area of productive land the greater becomes the necessity for applying brains and skill to the cultivation of the land we have. That by proper cultivation and intelligent fertilization the lands of the United States could be made to produce not double but three times what they produce at present I have not the slightest doubt.

GIVE 'EM Once when I was living in the cattle A CHANCE. A CHANCE. country I knew a man who went down into the wilds of Arkansaw and bought a small herd of dogies from the hill billies of

that country. When he brought them up to Kansas they were certainly the limit so far as appearances went. They were little and scrawny. Heads and horns out of all proportion to the rest of their bodies. It looked as if a large, husky man could have taken one of those little dogie steers by the tail and swung it around his head, as an athlete swings a dumbbell. I said then that there was no hope for any such cattle and that the man who bought them and drove them up there was a fool. He turned that bunch out on a range where the buffalo grass stood thick and ankle deep. Among the grass was scattered the wild pea vine with its little rich pods. Near by was the Medicine river with its sweet waters that cattle and horses loved. Those dogies went to that pastere with a hunger and relish that was remarkable. And in the course of two months they looked like an en-tirely different breed of cattle. Of course they were not equal to the great Shorthorns or the white faces with a century of careful breeding and selection behind them, but they grew sleek and fat and really fair to look upon. And it occurred to me that there was a lesson in the experience of those cattle. It was this: You don't know what anything in the animal line, either lower animal or human, will do until you give it a chance.

Jused to know a runt of a boy. I said that he would never amount to a whoop in the world, and that was the general opinion of him. I went away and so did he. We did not meet for more than 20 years. Somehow or other, that boy had got a chance to develop along the lines that nature intended. When I saw him again he was one of the finest looking men I had seen for many a day. Polite looking men I had seen for many a day. Polite, well dressed and prosperous. No man would have recognized in the big, well-groomed, bright-eyed and polished man the runt that I had known in the years of the long ago. And again I said: You can't tell what there is in a boy or man till he gets a chance. Away with this talk of some men being born to serve and some to rule. You don't know who has the elements of success in him till he has

been given a chance.

CO-OPERATION Sixty years ago Denmark was a poverty-stricken land. It couldn't poverty-stricken land. It couldn't boast of much in the way of

either soil or climate, and the soil it had was steadily being impoverished by wasteful methods of cultivation. Poverty and discouragement brooded over the land. Then came a change. A few leaders of thought were wise enough to see what was the matter and to think out a practical remedy. They saw that it was necessary first that a people should be educated in order that they might be prosperous, and second, that their education must be of the practical kind that would make them act together and act intelligently. So education in Denmark became compulsory. Every Dane is educated unless nature has made him a mental imbecile. Education is compulsory. With education among the Danish farmers came the knowledge that co-operation among themselves was necessary to individual and general prosperity. Today Denmark has, perhaps, the most com-plete system of co-operation of any country in the Today the Danish farmer buys nothing, practically speaking, individually. He belongs to a cooperative society and buys and sells through that agency. He buys no seed for his little farm until it has been tested by an expert furnished by the co-operative society. Through this society he buys the fertilizer for his land. He buys his seed through that society and sells his product through the same

agency.

He never kills his own hogs. He sends them to the co-operative bacon factories. Denmark is an agricultural country. Its three staple crops are butter, bacon and eggs, but it is not a natural grazing country. The climate is not adapted for grazing. There are only 14 weeks in the year during which the cattle can graze in the open. So the intelligent Dane has substituted roots for pasture. He raises the turnip, the carrot and the sugar beet to fatten his cattle and all the while his land is getting more fertile. The Dane has also discovered that his government can be used to help the people instead of being simply a place where a certain number of people can draw fat salaries at the expense of the people without giving any service of value in return. So he has established a government bank which loans money to farmers at a low rate of interest. A man doesn't need to have a lot of security to have doesn't need to have a lot of security to borrow money from this government bank. If he can show that he is a man of good character, he can borrow from the government bank and buy him a farm. The bank furnishes him practically all the money neces-sary to pay for the farm. In this country, when one talks about the government loaning direct to the

people through the agency of government banks, he is denounced as a wild-eyed visionary. But in Denmark it has been demonstrated that such a plan is mark it has been demonstrated that such a plan is entirely feasible. The result of co-operation is that in this little lean country of Denmark there is almost universal prosperity. There are few very rich, but there are almost no very poor, which is a most desirable condition for a country to be in. The farms are small and well tilled, which is also a most desirable situation. Now the little country of Denmark has a total area of only 15,000 square miles or less than one-fifth the area of Kansas. Yet it supports in comfort a population of 2,500,000 people. If Kansas were as densely populated as Denmark it would have a population of about 13,000,000 people instead of 1,700,000. This little country operated on the co-operative plan sends out of the country every year at a conservative estimate 150 million dollars' worth of bacon, butter and eggs. And they are of the finest quality.

Sometime, maybe, we will learn in this country that poverty is not necessary; that panics are not necessary; that waste is not only not necessary, but that it is a wicked folly. When intelligent cooperation is established in this country, as it will
be; when waste is abolished as it should be; when
our government comes to be in the full sense of the the government of the people, an agency used by them, not simply to spend the taxes collected from them in suporting useless bureaus and useless standing armies and navies; when we have learned to work together instead of fight each other, then the great United States of America can support in comfort a population not of 90 million people, but of five times 90 million people. But we have a lot to learn yet and quite a distance to travel.

AN OLD MAID'S
OPINION.

Editor Mail and Breeze—I am an old maid and my only property is two shares in an electric railroad located in a northern state. It is not completed and has paid no dividends as yet. I paid \$100 per share and the assessor took it at full value and says although taxes are paid where the road is located I must also pay in Kansas. That seems to me to be double taxation. What is your opinion? I live in a town where taxes are high. Women who have any property must pay their taxes, so why not vote also. I keep house for my father, there are only we two in the family, but I get no exemption as a housekeeper. I think where a daughter takes the place of her mother, who is dead and keeps a home for the rest of the family until they make homes for themselves, and is still staying with her father, who is very old, that the law ought to consider her the homemaker.

People who have many times the amount of our furniture in value were assessed from \$50 to \$75, while ours was assessed at \$135. Our furniture is old aid would not sell at that, while several other persons I know left it for the assessor to say, as I did, and he put down their fine new furniture at almost nothing. I think the assessors are to blame instead of the people.

AN OLD SUBSCRIBER.

Cherryvale, Kan.

As the foregoing letter explains itself, there is no

As the foregoing letter explains itself, there is no particular occasion for comment, except to say that it occurs to me that the lady has some reason for her complaint.

Keep Out Graft and Redtape

I do not believe the people of Kansas are niggardly or stingy. They want the state to rank with the foremost in the Union in all things which tend to make a people happy and prosperous. But more than ever before they are inquiring closely into the expenditure of public funds and I think very rightly. Taxes have increased enormously from year to year, especially in cities, townships and school districts. It has finally become apparent that the leaks are chiefly to be found in our antiquated system of do-

ing public business.

While I do not believe there is a state in the Union which has made more progress toward an efficient and economical administration of public affairs in the last few years than Kansas, yet, it seems to me, that it is a matter that still needs the

most careful attention.

If, as a Kansan, I understand the spirit of the Kansas people, they are in deadly earnest in their desire and purpose to improve their methods of doing public business—and never more so than now. They have become aroused to the office-creating, time-killing, money-wasting redtape methods of the old spoils system, and its foster child, the fee system, and they are patriotically striving to root it all

I am strongly and heartily in sympathy with this striving. I believe the public dollar should go as far as any other dollar and I favor an aggressive war on all forms of inefficiency and graft, useless and unnecessary officials, clerks and commissions,

excessive salaries and extravagant appropriations.

If I become governor of Kansas there will be no jobs given to political leeches, ward-heelers and hangers-on, if I can help it. I propose to hire for the state the same kind of men I would hire for my own business, cleancut, honest, capable, energetic men who can give 100 cents' worth of service for every dollar of salary they draw, and I shall endeavor to work out methods for a compact, straightforward, aboveboard system of doing public business that will save the people's time and money and bene-

JAYHAWKER FARM DOIN'S

BY H. C. HATCH, GRIDLEY, KANSAS.

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

which ended May 25 makes work just about twice as hard for both horses and men. At times it came with force enough to whirl one out of the furrow.

Luckily our soil here does not blow or we would have exchanged land with the neighbors without any transfer to show for it at the county seat. It is bad to be kept out of the field by wet weather but it is worse to have the lister furrows

All corn that was planted during the three days prior to the big rain of May 10, has been replanted or should have been. Those who replanted took the opportunity to work the land again and we have an idea that it will pay big. It gives the corn a start in clean fresh ground and kills millions of weeds.

We had one field on the creek bottom that would have made a good stand in spots while in others there was just enough to be aggravating. Had it been upland we would likely have let it stand but being rich, moist bottom we wanted a full stand so listed it all again and replanted. Sometimes upland will make as much corn with half a stand as with a full one but bottom ground should have

We need in our common schools not merely education in book learning but also practical training for daily life and work.

-Theodore Roosevelt.

the full complement of stalks or it will raise grass and weeds in the vacant

Owing to the extremely late start most farmers have made with the crop this spring there will be even more Kafir planted than was figured on. Had the spring been an average one the acreage planted to this crop would have been largely increased but now we expect to see the acreage of Kafir the largest ever recorded in Kansas.

Should the season prove an average one, or even within 80 per cent of a favorable average, there will be no shortage of feed in eastern Kansas next winter. Practically all farmers are planning on sowing either some cane or Kafir to make hay. This was a common crop a few years ago but of late few acres have been sown to forage crops, farmers get-ting their rough feed from corn and Kafir grown in rows and cut with a corn binder. We still think it is best to grow most of the roughness this way but we like to have some sowed stuff to feed in the fall and early winter so will sow 4 acres to Kafir some time next month.

.Too often the mistake is made of sowing cane or Kafir too early. While early sown stuff makes a larger growth it is not liked by stock nearly so well. Kafir especially gets woody and when it makes some grain the stock are inclined to pick off the heads and refuse the rest. Any time after June 20 does pretty well for sowing cane or Kafir although we know cattlemen who say that cane should not be sown in this section until after July 1. In this matter something depends on the growing season.

Corn certainly sells high in Kansas this spring. Eighty cents a bushel is about the price everywhere. In all the big grain markets the present price of corn is 80 cents or a little more. If this seems a high price to us out here, what must it seem to eastern farmers who buy practically all their grain, bringing home a sack or two in their wagons each time they go to town? The feed bills of the Vermont farmers are so high that the question of making any profit in feeding corn is becoming a serious one to them.

In a recent Vermont paper we notice that the farmers of love to talk over the question as to lost too. We do not think we are over
"The Household, a large family magazine, containing the choicest stories and departs ments of particular interest to lady readers. The Twice-a-Week Republic of St. Louis, the oldest and best semi-weekly newspaper in the oldest and best semi-weekly newspaper the oldest sories and departs. The Household, a large family magazine, containing the choicest stories and departs to lady readers. The Twice-a-Week Republic of St. Louis, the oldest and best semi-weekly newspaper the oldest of St. Louis, the oldest and best semi-weekly newspaper the oldest stories and departs. The Household, a large family magazine, containing the choicest stories and departs. The Household, a large family magazine, containing the choicest stories and departs. The thousehold, a large family magazine, containing the choicest stories and departs. The thousehold, a large family magazine, containing the choicest stories and departs to lady readers. The Twice-a-Week Republic of St. Louis, the oldest and best semi-week Republic of St. Louis, the oldest and best semi-week Republic

Wind such as blew most of the week whether they had best keep on buying hich ended May 25 makes work just western grain or buy fertilizer instead and try to raise some grain of their own. They have one advantage in their feeding. It is cheap pasture. Cattle can be put out there for \$2 per head for the season if they are not wanted to milk but can be run in some pasture away from the towns. This gives Vermont farmers cheaper summer feed than we have here, where from \$4 to \$6 per season must be paid per head. The pasture season in Vermont is almost as long as it is here on native grass.

> If the hedges on this farm take toll of the crops this summer as they have the the crops this summer as they have the last two they will not get corn as they did then. We have one field entirely surrounded by hedge and on both the east and west sides the loss has been quite large during the last two years. There is not moisture enough for both hedge and corn and the hedge must be first served, the corn taking what is left. served, the corn taking what is left; when there is none the corn is left, too. This year we are going to sow a strip of Kafir around the hedge and let Kafir and hedge fight the moisture question out among themselves. If anything can coax moisture away from a hedge it is Kafir corn.

Some say, "cut down the hedge" and somtimes we think they are right. Again we think differently for a hedge has good points as well as sharp ones. If the posts furnished by the hedges of eastern Kansas had to be bought we should have a good deal poorer fences than we have today and we would send thousands of dollars out of the state for post timber at that. Now we can cut the posts on our own land and a good lot of wood in addition which goes far toward making up for the crops that are cut short along the hedgerows. Hedges also make good fences when thick enough and lightning does not run along a hedge as it does a wire fence, horses do not get cut to pieces on hedge and hunters cannot pass through the fields in winter throwing down the hedges as they do fences made of wire. In addition to all this, there is the question of looks for even if hedges are not kept trimmed they add much to the general appearance of the country, relieving that look of bareness noticeable in sections where no timber grows. Still, were hedge easy to get rid of we have an idea more would be torn up than there now is.

Ideas differ as to what causes smut in Kafir corn. Many will tell you that it is in the seed and that if you plant seed from smutty fields you will raise smutty Kafir and that if you have seed free from smut you will raise clean grain. From this theory we wish to dif-

Why, under the same circumstances, should not one man grow as much as another? -F. H. Demarce.

fer. We think that the weather at the time of heading and blooming has more to do with the smut question than anything else. We would not advise anyone to plant seed from a smutty field but if you have the cleanest of seed and the weather at blooming time is such that it blights the bloom you will have smut

stating it when we say that not more than 50 per cent of the usual colt crop is now running around. This complaint is not confined to this section alone but from the local papers we notice that it is a general one. Conditions in localities so far apart as Grant county, Oklahoma, and Coffey county, Kansas, seem to be the same in this particular. It is easy to say, improper feed, but some easy to say, improper feed, but some mares have been fed as well and on as good a quality of feed as ever and we notice their colts were lost just the same. We do not know the cause. It may be, of course, in the feed. At any rate, something out of the common is respon-

At present prices of hay and grain there is no question but that mileage can be made cheaper with the average automobile than with the average team. The team must be fed whether it travels or not, but the auto only eats when it moves. It may be said that the driving team can be turned out to pasture when not in use and so be cheaply kept but the driving team that is kept in that manner cannot be considered as being a driving team at all. They will move after a fashion, of course, but as for get-ting any speed out of them, that is out of the question. This matter of cost may change when another crop is harvested but just now a mile can be made cheaper by gasoline power than with

Kansas Utilizing Wheat Straw

FEEDING IT TO THE SOIL.

Never before have Kansas farmers Never before have Ransas latmers found so much use for their wheat straw as during the winter. We venture to say there will not be many blazing stacks to light up the night skies next

It's a Mail and Breeze opinion that Opportunity comes around two o three times a day on the farm and elsewhere.

fall. From \$2 to \$5 per ton with freight added has been paid for wheat straw out in western Kansas and this with a little cottonseed cake has been the daily menu for many a herd of stock waiting for the snow to clear off the range. And this ration has kept the cattle in good con-

If there is any straw left after feed-ing needs have been supplied the wise farmer will scatter it over his fields. Applied directly to the land and plowed under it increases the humus in the soil and humus is what catches and holds the moisture in the soil. Prof. W. M. Jardine of Kansas Agricultural college says that 100 pounds of humus will hold 150 pounds of water while the same weight of poor thin soil will hold only about 40 pounds.

"Several methods of applying straw may be used," says Prof. Jardine. "Us-ing the header barge in windy weather is one way. Another method is to load the straw on the barge in big loads in calm weather and unload in rows behind the barge. These rows can then be scat tered some windy day. But the best way, I believe, is for several farmers to co-operate. Two or three header barges and one manure spreader are required. The spreader is kept going continually and the barges haul the straw to it. The straw should be scattered thinly. It can be applied profitably to all kinds of land."

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VALLEY FARMER, Dopt. A8-10, Top



Conducted for Farmers Mail and Breeze by A. M. TenEyck, Superintendent Fort Hays Branch Experiment Station, of Kansas Agricultural College, Hays, Kansas,

Cowpeas for Seed in Brown County.

Would it be advisable to sow cowpeas for seed in this part of the state? Is it best to sow on sandy upland, black loam with clay subsoil, or bottom land? Would prefer to sow on black loam. What variety is best adapted to this territory?—I. N. C., Willis, Kan.

You may grow early maturing varie ties of cowpeas for seed production in Brown county, Kansas, with more or less success, such varieties as New Era and early Blackeye. Sandy soil is well adapted for growing cowpeas, and may be preferable for producing the crop for seed rather than black loam with clay subsoil. The bottom land if it is not too wet or heavy should produce a good growth of cowpeas but it might not mature so good a crop for seed as the sandy land.

The black loam soil which you decribe would be likely to produce a large crop of forage but less seed than the sandy land. The New Era variety is probably the best for your section of the state. Cowpeas should be planted when the weather and soil have become warm, about the first of June in your section of the state. I am mailing a topy of Bulletin No. 160, giving further information on cowpeas.

A. M. TenEyck.

Milo vs. Kafir in Eastern Kansas.

Will mile make as good a grain and fed-ier crop as Kafir in northeastern Kansas? And will it mature as quickly?—J. H., Dneida, Kan.

Milo makes as good a grain crop as Kafir when it grows successfully, but it does not make as good forage. Owarf mile matures earlier than most rarieties of Kafir and may be matured successfully further north than Kafir. Also the Dwarf mile is perhaps better *dapted to the extreme western counties of western Kansas, being perhaps a better drouth resistant crop than Kafir. One of the greatest faults with Kafir,

as observed at this station, is that the growing crop is more likely to be injured by chinch bugs than Kafir. For the last two seasons the milo crop at the Hays Experiment station has been almost entirely destroyed by chinch bugs, while Kafir fields adjacent were not seriously injured by the bugs. am mailing a circular letter giving fur-ther information on mile and Kafir. A. M. TenEyck.

Getting Poor Ground in Grass.

We have some poor ground and want your opinion as to what is the best to sow on it for pasture. It is high ground, not farmed last year. We thought some of sowing Sweet clover.—Mrs. H. L. B., Confordia, Kan.

I am mailing you a bulletin on grasses. Such land as you describe may grow Sweet clover, but it may need fertilizing before it will grow grasses well. Sweet clover is a good fertilizer. and it may make good pasture. It will not bloat cattle. It is late now to get this land ready and seed Sweet clover this spring. I am mailing circular let-ter on Sweet clover and also advise you to get the little book mentioned in the circular.

You might plow this ground deeply, fallow it this season and seed grasses early in the fall. Say, 1 pounds each of Bromus inermis, Orchard grass and English bluegrass, per acre. Also sow 5 pounds of Alsike clover per acre, early next spring. Or sow the grass and next spring. Or sow the grasses and clover in the spring of 1913. Meanwhile you could grow some crop for pasture this summer and plow the crop under after grazing, for green manure. Also haul and apply stable manure and thus improve the fertility of the soil before seeding to grasses.

A. M. TenEyck.

Will Summer-Fallow 60 Acres.

I am going to summer fallow 60 Acres.

I am going to summer fallow 60 acres this season; have it disked and it is clear of weeds now. It is a sandy soil and has a loose subsoil; has been double listed for several years. What would be the best method of handling it till wheat-seeding time and when should it be seeded?

I have 25 acres in wheat that I disked early last spring and then listed to broomerorn and did not get a stand. June 1 burst the middle with the lister and planted it again and the grasshoppers took it. The

last of June I filled the forrows, disked it the last of July, the last of August I disked it again, and September 5 sowed it to wheat and have a good piece of wheat. What is the best way to get this field in wheat again this fall?—C. H., New Ulysses, Kan.

I believe listing is a better and safer method than plowing in your part of the state on such land as you describe. I would suggest to handle the 60 acres of summer fallow much the same as you handled the 25 acres last year, except omit planting the intermediate crops. The deeper working of the soil with the lister during the spring and early summer is preferance to continuous surface cultivation; but later in the summer surface cultivation to kill weeds, and level and firm the soil, is necessary in order to secure a good seedbed.

I should advise also to use the lister on the 25 acres now in wheat, listing as early as possible. Later fill the furrows with the disk-lister cultivator, using shovel attachment on the ridges in order to kill all the weeds. Then disk and harrow as required to secure a good seedbed. This method has given very good results, nearly equal to deep plowing, at this station on rather heavy up land and should be better suited than plowing for sandy soil.

I am mailing circular letters answer

ing similar questions and giving further formation on this subject

A. M. TenEyck.

Late Spring Sowing of Alfalfa.

I have 10 acres I wish to sow to alfalfa this spring. I plowed the ground deeply, a year ago last fall, then in the spring listed it into corn, cultivated the corn three times and cut the corn, and shocked it. The ground wasn't tramped any this spring. I have disked it once, it is fairly clean, but I can't get ready to sow until next week (May 20). In the meantime, I shall disk once more and maybe twice and harrow thoroughly. What do you think of this plan?—O. B. S., Cuba, Kan,

Illess the ground is too weedy. I

Unless the ground is too weedy, I should harrow twice or three times instead of disking in finishing the prepastead of disking in finishing the preparation of this seedbed. Disking is apt to loosen the soil too deeply. Ride the harrow the first time and perhaps the second time, giving a light harrowing the last time just before seeding. If the ground is very weedy and weeds are large you may have to disk, but harrow well after disking, preferably after a rain, before seeding the alfalfa.

The danger from late seeding is that

The danger from late seeding is that a heavy rain may puddle the surface so that the young plants will not break through the crust. Or even after the alfalfa is up, a heavy rain is likely to wash the soil over the young plants and destroy them. Also if the land is weedy, foxtail and crabgrass may smother the late started alfalfa. The late cultivation however will destroy many of these weeds and if weather conditions are favorable the late seeding should be successful.

A. M. TenEyek.

Kafir and Cowpeas Together.

I read in Farmers Mail and Breeze your reply to the question about planting corn and cowpeas together. My idea was to plant cowpeas and Kafir together, in the same row, and cut with corn binder and shock as any other fodder. I thought by this way the cowpeas would cure in the shock with the Kafir and not be so likely to spoil as when grown alone. Is Kafir any harder on the land than corn?—R. S. G., Douglas county, Kan.

I tried growing Kafir corn and cow-peas together in the same row several times while at the Agricultural college at Manhattan, but without much success. The Kafir grew all right, but the cowpeas made little or no growth. By planting the Kafir quite thin the same as corn, the plan may work. But thin planted Kafir does not make as good fodder as when planted thicker, and for eastern Kansas I am quite sure that corn is the preferable crop to plant with

Another fault with Kafir for this purmaturing variety of cowpeas would be required to plant with it, such as Clay Unknown. If you want to produce Kafir fodder and cowpea hay, I should advise planting the crops separately, and the same also for silage, preferring to mix the crops at the silo when the green fodder is run through the cutter.

Kafir is considered to be a harder crop on the land than corn, but this is in part due to its late growth in the fall which leaves the soil exhausted in moisture and available plant food. It is true also that Kafir is a strong and close feeder on the soil and will produce comparatively larger yields on ordinary land or poor soil, than corn.

A. M. TenEyck.

oo High for the "POWERFUL SMALLEY" No Silo

New Ensilage Cutter **Enormous Appetite for Work**

It's positively amazing to watch the "POWERFUL SMALLEY" Force-Feed Ensilage Cutter eat up the work! A regular hog! Everyone who sees it is dumfounded by its greediness for fodder!

Just throw on the bundles, men, for the "POWERFUL SMALLEY" feeds itself! Its chain grip-hooks seize the fodder and force it pellmell under the giant paddle roller that shoots it into the wide, hungry throat of this ravenous cutter.

Positively the ONLY **Force-Feed Cutter**

This is the one ensilage cutter that is different from the old style slat-apron machine. Instead of the slat apron (discarded by us after 53 years of manufacturing the best in the world) we have substituted a marvelous invention—the

"POWERFUL SMALLEY" Force-Feed Ensilage Cutter

"Enormous Appetite"

Grip-Hooks a Wonderful Labor-Saving Device

Two years ago the new revolving chain grip-hook type of cutter was perfected. Since then our business has practically doubled. Farmers knew that when Smalley (for 55 years their friend) put out a new cutter, that it was right. For we are the pioneers in the business—55 years of honest manufacture.

Saves a Barnful of Money for America's Best Farmers

This new grip-hook invention tumbled silo-filling methods upside down. Now the silo is filled in almost half the time it previously took the old slat-apron machine for the job. Less hired help to pay for. The silage is cut more evenly, so that the cows eat every particle—absolutely no waste to Smalley-cut silage. Every owner is enthusiastic and happy that silo-filling is accomplished at this great saving of time and money.

Special Chain-Drive Blower Great Power Saver

The "POWERFUL SMALLEY" is equipped with perfected Chain-Drive Blower that saves an enormous amount of power—yet shoots the silage to top of highest silo. No worry— SMALLEY MFG. CO.,

and no danger, as sliage travels at uniform speed through the large 10-inch blower pipe from the efficient side-delivery steel blower.

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Stronger, Heavier
Than Any Other
The "POWERFUL SMALLEY" is one-fourth stronger and one-fourth heavier than any other ensilage cutter in existence. Ten per cent steel in all parts. Specially re-enforced where most needed. Built to last a lifetime. Every "POWERFUL SMALLEY" built so everlastingly strong that it will be a lifelong advertisement in selling other Smalley Cutters.

Hard-oil cups on all important bearings automatically oil parts which most need it. No danger of burning up or wearing out important bearings.

You Need This Free Silo Book

you wearing out important bearings.
You Need This Free Silo Book and Cataleg Combined
(One Book to One Address Only)
You wouldn't sell this book for ten dollars—if you knew you couldn't get another. For it tells an inspiring story of farm profits. Tells of the great silo mint and the astounding story of silage wealth. Tells of this nationally famous cutter—how, by its ingenious force-feed hooks, farmers have been able to save hours and days of valuable time. Tells—but you'll have to read the book to appreciate it. Write today—it's free—one to one address only. Use coupon or write a postal now to

Combination Ensilage and Snapping Machines, Drag and Circular Saw Machines, Champion Plows, Cob Grinders and Feed Mills. 55 Mills. Manufacture

6 Mill, Manitowoc, Wis. Manufacturers of Ensilage, Alfalfa and Hand Feed Cutters, Combination Ensilage and Snapping Ma-

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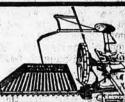
There are about silos in my township.

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OF CORN PER ACRE AT LOWER COST BY USING THE BEATRICE TWORDW CULTIVATOR.
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Gathers short thin grass for hay or short grain of a dry year, also alfa!fa or clover for seed. It is especially valuable for cutting flax or alfa!fa hay. Saves the labor of a man and horse and only costs one-third the price of a rake. Fits any mower. Write for circulars and prices to

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Questions bearing on farming or stock raising answered in this and other columns of Farmers Mail and Breeze. Sign full name, not necessarily for publication. We are sometimes able to give the questioner additional information privately, or a more immediate reply by mail, if stamp is enclosed. Address Editor Farmers Mail and Breeze, Topeka, Kan.

Legal Weights.

What are the legal weights of Kafir and cane seed?-J. D. W., Aulne, Kan. In Kansas the legal weight of Kafir seed is 56 pounds, of cane seed 50 pounds.

Starting Rhubarb Plants.

We planted some rhubarb seed which came up nicely and the plants are growing fine. When should the plants be transplanted or how large should they be?—W. A. F., Lafontaine, Kan.

In starting rhubarb from seed the best way is to thin out the plants to about 6 inches apart, as soon as large enough, then leave them until the next spring before transplanting. Sometimes the seeds are sown in the fall and the plants transplanted the next spring. The common way to propagate rhubarb is by root cuttings. The root may be cut into as many pieces as there are strong eyes and planted in the fall or spring.

Crop For Peach Orchard.

I should like to know your opinion as to the best crop to plant in a peach orchard, and especially where the younger trees are. I had about made up my mind to plant cowpeas.—O. C. B., Oklahoma City, Okla.

Give your peach orchard clean culture during the early part of the season. If we have a wet season seed down to cowpeas some time during the first half of July. If the season remains dry, keep on cultivating but do not plant anything in among the trees. The only object in planting cowpeas is to enrich the soil. In dry years the coisture which the cowpeas take from the trees does more damage than the enriching will do good. In wet years this is not the case. ways cultivate early and late in drouthy seasons. In wet seasons this is not so N. O. Booth. important.

Oklahoma Agricultural College, Still-

water.

Deformed Chicks.

I have had several chicks hatched with their heads drawn back. They cannot stand but roll over on their backs. They are plump and healthy but never get better. Sometimes they live a week. What causes the trouble and can it be cured?—Reader, Claudell, Kan.

This trouble cannot be cured but it can be prevented. One cause is the failure to turn the eggs sufficiently during the hatch. Letting the heat go down while chicks are pipping the eggs is perhaps the most common cause. This is often

DIFFERENT NOW

Since the Slugger, Coffee, Was Abandoned.

.Coffee probably causes more biliousness and so-called malaria than any one other thing—even bad climate. (Tea is just as harmful as coffee because it contains caffeine, the drug in coffee).

A Ft. Worth man says:

"I have always been of a bilious temporament subject to molecule and the same and the same are subject to molecule and the same are subject to subject t

perament, subject to malaria and up to one year ago a perfect slave to coffee. At times I would be covered with boils and full of malarial poison, was very nervous and had swimming in the head.

"I don't know how it happened, but I finally became convinced that my sickness was due to the use of coffee, and a little less than a year ago I stopped cof-

fee and began drinking Postum.
"From that time I have not had a boil, not had malaria at all, have gained 15 pounds good solid weight and know beyond all doubt this is due to the use of Postum in place of coffee as I have taken no medicine at all.

"Postum has certainly made healthy red blood for me in place of the blood that coffee drinking impoverished and made unhealthy." Name given by Pos-tum Co., Battle Creek, Mich.

Postum makes red blood.
"There's a reason," and it is explained
in the little book, "The Road to Well-

wille," in pkgs.

Ever read the above letter? A new one appears from time to time. They are genuine, true, and full of human in-

done unknowingly by taking the first chicks hatched, from the machine, thus lowering the heat while other eggs have just been pipped. This cooling causes the chick still in the shell to labor twice as hard to get out. In taking chicks from the machine the heat is lowered, but the chick still in the shell to labor twice as hard to get out. not only by the entrance of outside air, but by taking out the heat generating chicks' bodies, and having the space occupied by them, filled with cool air. Be sure to turn the lamp up high enough to make up for this loss of heat.

Tomato Pruning-Celery.

(1) When and how do you trim tomatoes to get best results?
(2) What is the best time to set out celery plants? Should they be set out on flat or sloping land?—E. H., Winfield, Kan.

(1.) There is not much to be gained by pruning tomato vines. The lateral by pruning tomato vines. The lateral branches are simply pinched off as they appear, leaving just the one main stem. Some growers top the vines when about three clusters of fruit have set thus turning all the energies of the plant to maturing the fruit that has formed. The advantages of pruning are earlier ripenadvantages of pruning are earlier ripening and larger sized fruit, and plants may be set closer together, thus economizing on space. But it also means that there will be considerably less fruit than on unpruned vines.

(2.) Celery may be set out as soon as the plants can be grown in the spring when wanted for table use but there is little market demand for it at this time. The main crop may be set out in June or as late as the first part of July. The plants should be stocky and 4 or 5 inches high when set out permanently. Flat bottom land, rich and very moist, is best for celery. The most careful tillage is necessary for best results.

From an Acre, 12 Tons of Feed

SILO POSSIBILITIES.

D. Clem Deaver, emigration expert of the Burlington route, has addressed a strong appeal to the farmers of the country to build silos, and add substantially to the profit from their corn crop. Mr. Deaver is an agricultural authority and his counsel is based on experience. This is what he says:

experience. This is what he says:

Think of it. Sane, sensible men—by the hundreds and by the thousands—are working hard almost the year round, raising and caring for a highly valuable crop—and then deliberately wasting from 30 to 40 per cent of the gross results of their labor.

The whole trouble is that a large percentage of the farmers either won't or don't build silos. They aren't cutting the corn after the season and storing it away as rich fodder to increase their incomes the year round.

Just for instance: One acre of good corn land will produce 12 tons of corn silage. This same 12 tons with hay will feed two milk cows for 10 months. If properly cared for otherwise, these cows will bring their owner anywhere from \$150 to \$190 from the sale of cream alone during the 10 months, to say nothing of the two calves that can be raised nor considering the value of the skimmlik for pig and chicken the same 12 tons of rich corn silage.

that can be raised nor considering the value of the skimmlik for pig and chicken feed.

This same 12 tons of rich corn silage with hay will put 2,400 pounds weight on 50 lambs in 125 days, which at 7 cents per pound would be worth \$168.

Feeding it to four steers 153 days, fitting them to top the market, would easily increase their market value \$170.

Another fact to be taken into consideration by cattle feeders is that it is not at all necessary to run hogs with cattle to insure a safe margin of profit when feeding corn silage. In this way all danger of loss from hog cholera is eliminated.

All waste from the feed lot should be carefully returned to the acre that grew the corn, thus preventing loss of soil fertility.

These are some of the things that can be done to stop one of the biggest wastes on the farm. When you stop to consider that the entire 12 tons of silage can be put in the silo at a cost of only \$25 you get an idea of what a tremendous saving it means. Ten acres of corn silage would accomplish 10 times as much.

There are innumerable other ways and methods of getting more money out of a farm; but considering the huge saving accomplished by a silo, a splendid slogan for the farmers, build silos. Don't wait. Do it now."

Where Watermelons Do Best

Notwithstanding their name, water-melons thrive best in a well drained and comparatively dry soil. The best soil is sandy loam and it cannot be worked up too well. The most successful growers give the vines plenty of room, planting hills from 8 to 12 feet apart. Enough hills from 8 to 12 feet apart. seeds are planted to insure a good stand and lightly covered with about an inch of light soil. Before the vines begin to run the hills are thinned out to two or three of the most thrifty plants. The best way of working is to cultivate closely as soon as the plants are well up, then work them frequently until the vines are running in the middles. The best growers say that cultivation should not disturb root or vine.

A Hay Press That Carries Its Own Power Plant

Combination Solid Steel, Big-Capacity Press
With Gas Engine Mounted on Same Truck
This sensational Money-Making
Hay Baling Outfit, which we introduced in 1910, has just about doubled the profits of the hay baler. Many balers cleaned up \$10, \$12 and even \$15 a day right along. Hay now commands a big price, and everyone wants theirs baled.

It's a compact, big capacity, all-steel press, handling 2½ to 3½ tons per hour. Carries its own power plant, completely equipped. Easy to move. Coupled up short, you don't need a 40-acre field to turn it around. Always ready for business. You can get in a big day's work every day. The press has a big feed opening. It's a self-feeder, too! Feeds direct from fork. Friction clutch sprocket on press. Lever convenient for feeder; starts or stops press instantly. No condenser box, no dangerous foot tamping, no balance wheels, no complicated gears, no high-speed machinery. Simple block dropper, Extra-length tying chamber. Lever brake. IT'S A WONDER FOR WINDROW WORK.

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Engine is the very best quality. Hopper-cooled type—requires little water. Has both batteries and magneto. Heavy steel roller, chain drive. No belts to lose power or cause trouble. Chain delivers full power of engine.

engine.

Comes completely and fully equipped. Engine can be removed for other work. Can furnish outlits with 4, 5. 7 and 9-horsepower engines.

engines.

Both press and engine are of the very best quality—made for hard, continuous service—vet the cost of the outfit is very reasonable.

Horse-Power Presses, Tool We make a complete line of hay presses— not only motor presses, with which we fur-nish engine (or you can use your own en-

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Send us your name and address on a postal TODAY, stating whether you wish a motor, belt or horse-power press, and we will send you our latest catalog showing the complete line of Sandwich Presses. The catalog will also give you a good idea of the big profits in hay-baling.

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A FREE copy of the greatest book on silo building ever pub-lished is ready for you. Send for it today. Ask for circular M



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UR BEAUTIFUL FERNS



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I Promise Every Buyer Not to Rush This Car

By R. E. Olds, Designer

These are times when every buyer wants his new car in a hurry. The popular makers are pushed to the limit.

And these are times when mistakes creep in, when inspection is slackened, when workmanship is skimped.

I have seen many a good car's reputation wrecked to meet a rush.

We Don't Hurry

We, too, are overwhelmed. Reo the Fifth is the season's sensation. With this car at this price, beyond any doubt we could sell three times our output.

Our men are doing their level best. But I say to them all, "Take your time-watch every part-don't hurry."

For men forget and forgive any little delay, but a weakness is never forgotten.

Care Is Costly

The chief difference in cars, in these days, lies in the time spent on them.

undan a

as much as another, with about the same specifications.

To be slow and exact, watchful and cautious, adds 20 per cent to the cost of a car. And it often cuts profits right in two by keeping one's output down.

But Reo the Fifth- My Farewell Car-will never be skimped for profit. . That I promise you.

How I Watch It

I am rather old-fashioned perhaps a little too extreme. Twenty-five years spent in building cars have made me overcautious.

I have never built as many cars as the people wanted.

Some of the newcomers, as a result, build more cars than I do. But no man can claim to build a car any better.

My steel is all analyzed. Every material passes laboratory tests.

Each part is inspected over and over. Each important part is given all my rigid tests. Parts

That's why one car costs twice are rejected for the slightest flaw, no matter how badly we need them.

> Parts are ground over and over to get utter exactness. Engines are tested for 48 hours. Finished cars are tested until every part is found to be perfect and noiseless.

> The bodies are finished in 17 coats. Every detail of finish gets the final touch.

All this is now done with the same care and exactness as I used on my Show cars, which I built in December.

Every Reo the Fifth marks the best I can do.

The Center Control

The new center control found in Reo the Fifth marks the year's greatest improvement in auto-

All the gear shifting is done by this round-top lever between the two front seats. It is done by moving this lever-with the right hand - less than three inches in each of four directions.

Both brakes are operated by foot pedals. There are no side levers, so the entrance in front

This arrangement permits of the left side drive, at which every maker is aiming.

The Little Price

Reo the Fifth is very much underpriced. Every comparison shows that.

You who buy at this price will be fortunate. For, under average conditions - with average cost for materials—this price will be impossible.

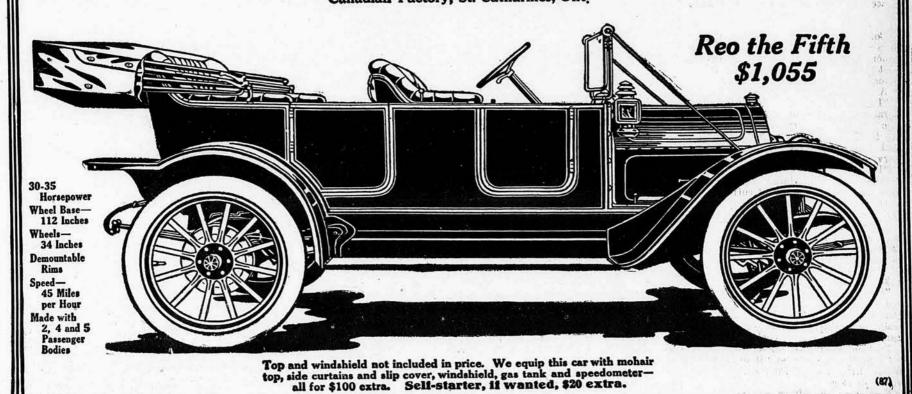
See Your Dealer

There are Reo dealers in a thousand towns. Many are able to make instant deliveries. The others will tell you their exact situation. See the dealer nearest you at once.

Write us for a catalog showing our various bodies and we will tell you where to see the car. Address

(87)

R. M. Owen & Co. General Sales Reo Motor Car Co., Lansing, Mich. Canadian Factory, St. Catharines, Ont.





(Address queries to Farmers Mail and Breeze)

All Matter Contributed to this Column by Prof. Wheeler, Expert in Animal Husbandry, Extension Service, of Kansas Agricultural College, Bears His Signature.

Keeping Pigs Free From Worms.

What means would you recommend for generally keeping pigs from worms while growing up?—V. E. H., Randolph, Kan.
Cleanliness about the feeding quar-

Cleanliness about the feeding quarters is the most important factor in keeping pigs from becoming badly infested with intestinal worms. Stagnant water should not be permitted to accumulate and the troughs should be cleaned frequently. Sleeping quarters likewise should be given some attention of this kind. Where these sanitary precautions are observed and the pigs are fed well-balanced rations, worms will give less trouble than where no effort is give less trouble than where no effort is made to keep things cleaned up and dis-infected. It is a good plan to use such substances as charcoal, wood ashes, air slaked lime and common salt continu-ally. The federal government furnishes a formula known as the government hog remedy, which is very useful for this purpose. A great many druggists keep this remedy already prepared. The formula follows:

Wood charcoal		٠			٠			٠	٠	٠		٠	۰		pound
Sulphur												٠			1 pound
Sodum chloride			٠,			,				٠	٠		٠	٠	2 pounds
Bodium blearbo	na	1	e												2 pounds
Sodium hyposuly	ol	ıi	te	3											2 pounds
Sodium sulphate	е												•		1 pound
Antimony sulph	ić	1							•		٠			٠	1 pound

I am enclosing you under separate cover a little pamphlet entitled Some Swine Problems, which may be of assistance to you. G. C. Wheeler.

Cottonseed for Mares in Foal.

Please tell me if horses or mares with foal may be fed on cottonseed meal and hulls without danger. And what of the feed value of the hulls? Also will the meal eause horses or cows to go blind when fed on it?—J. H. B., Lawrence, Kan.

I should not advise feeding more than

2 pounds daily of cottonseed meal to horses. It can be safely fed within this limit. The hulls are comparatively low in feeding value. I have no data whatever on the results of feeding them to horses. They are commonly used to mix with cottonseed meal for cattle feeding. The hulls contain the following indigestive nutrients per hundred pounds: Three-tenths of a pound of protein, 33.2 pounds carbohydrates and 1.7 pounds fat. Cottonseed meal fed in reasonable quantities will not make horses or cattle go blind. When fed in large quantities as is quite commonly practiced in the South, bad results fol-G. C. Wheeler.

Cooking Feed for Livestock.

I should like to hear from someone who has had experience in feeding hogs on cooked food. Will the cooking pay for the extra work?—T. W. C., King City, Mo.

The early agricultural writers seemed

to think that cooking feed rendered it more, useful to the domestic animals than feeding it raw. Along in the '70s the experiment stations took the matter up and a series of trials have been made, showing conclusively that the cooking of feed for animals is not a profitable practice. These trials have demonstrated that the raw uncooked feed produced larger gains than the same feed in the cooked condition. This was shown to be true for all classes of

was shown to be true for all classes of animals. Of course there are some exceptions. Potatoes cannot be fed profitably to animals without cooking and the same is true of the field bean.

It is occasionally profitable to use cooked or steamed feed for feeding animals for stimulating the appetite and this is sometimes practiced in feeding animals for the show ring. It is also a good practice to warm the feed in winter in preference to feeding iey cold feed during freezing weather.

G. C. Wheeler.

Weaning Ration for Spring Pigs.

For weaning my spring pigs i have on hand tankage, oil meal, shelled corn, wheat and state, the two last ground together. What proportions of these would you recommend for the weaned pigs?—V. E. H., Randolph, Kan.

Of course these pigs ought to have had an opportunity to secure some grain previous to weaning. They naturally

Bet all these four papers one year for only \$1.10.

KANSAS WEEKLY CAPITAL is the largest and best weekly newspaper published in the state. Its pages are full newspaper size, and are filled with the latest Kansas and state capital news items, market reports, etc.

THE VALLEY FARMER, an independent, reliable farm journal, unique and original in its methods, and immensely popular with thousands of 'armers in every state in the West; well edited departments for Live-stock, Poultry, Veterinary, Horticulture, Dairy, Field Crops, etc.

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with the sows in the same trough and should in addition have opportunity to have a little grain in a pen to which the sows do not have access. Oats are the sows do not have access. Oats are not well adapted to the young pig owing to their being too bulky for the rather limited digestive capacity of the young animal. A combination of corn and shorts makes a most satisfactory grain ration for the weaned pig. If your combination of wheat and oats contains a relatively large amount of wheat, a small portion of it might be used as the slop ration giving shelled corn in addition. I am assuming of course that you have pasture of some kind. If this pasture is alfalfa, your pigs will need no supplementary feeds such as oil meal or tankage. With the present high prices of grain it would be advisable to restrict the corn allowance to compel all the growth possible from to compel all the growth possible from the pasture. Experiments conducted in Nebraska and at other experiment stations to determine the most profitable amount of corn to feed, seem to indicate that during this grazing season where alfalfa is the pasture crop the most profitable grain ration under average conditions is about 2 per cent of the live weight of the pigs, daily, or 1 pound of grain to a 50-pound pig and 2 percent to a 100-pound pig and 2 percent pig and 2 perc pounds to a 100-pound pig. If your pas-ture is limited it will be advisable to supplement it with a small portion of tankage not to exceed one-tenth of the total corn ration. G. C. Wheeler.

Blood Meal for Pushing Calves. [Prize Letter.]

Mr. Editor—About 10 years ago I began to use blood meal to feed calves. Later I obtained the soluble blood flour which, as the name implies, readily dis-solves in milk. In using the blood meal some of it was lost, since the calf was through drinking before it could be thoroughly dissolved. In the 10 years we have fed the dried blood we have had only one case of scours and this was a serious one caused by the calf

drinking from a hog wallow.

My calves are always healthy and fat, make good growth and are never potbellied. I usually take the calf from the mother about the second or third feed and begin feeding by hand. The first week I give it about 3 quarts of new milk at a feed. The second week I gradually decrease the amount of whole milk and add a little skimmilk and a very small amount of dried blood. By the end of the third week I have drawed out the whole milk and have dropped out the whole milk and am feeding each calf 1 gallon of skim-milk and 1 teaspoonful of dried blood per meal.

Sometimes, at first, a calf will object to the dried blood, but if it is fed in to the dried blood, but if it is fed in very small amounts and gradually increased they do not seem to know of its presence. We sometimes have difficulty in buying the dried blood but can usually get it from the mail order houses or from some packing house. I think the price at present is about \$3.80 per 100 pounds. Dried blood is the most economical calf food I have ever used as it takes the place of high priced butter fat.

R. 5. Ft. Scott. Kan.

R. 5, Ft. Scott, Kan.

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Mix one tablespoonful Merry War Powdered Lye with slop for 10 hogs, or a half can wi barrel of swill. Stir well and feed every day. If your hogs are on a dry feed ration, mix a half lean Merry War Powdered Lye to each bar 1 of drinking water.

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And that's the general testimony of Hog Raisers—and I just want to say to you that the very best way you can insure big, fat profits is to make the mistake of thinking that any lye will do mistake the mistake of thinking the mistake of th

make the mistake of thinking that any lye will do so well as Merry War Powdered Lye—fail to obtain results—pay the penalty in loss of hog profits.

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Wish I Was Which Kind Do 8





F Hay Stacker Buyers



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

Flavor in butter is more important than color.

Better too much working of butter than not enough.

Let nine milkings pass before using a fresh cow's milk.

A pasture arranged to include a few shade trees is 25 per cent better.

A vessel holding 1,000 pounds of water will hold about 1,032 pounds of whole

The poorer the cream the faster should be the speed of the churn. Churn slower where cream is rich.

Where milk is "set" in pans it is a good sanitary precaution to cover the pans with clean paper after cooling.

A cloth will do a better job of straining milk than any wire strainer. Boil the cloth frequently to keep it sanitary.

From 2 to 4 drops of pure coloring matter is sufficient for each pound of butter. Put it in the cream. There is no law against the use of harmless colring matter in butter.

The Calf and Its Raising. [Prize Letter.]

Mr. Editor-Instead of weaning it at once I let the calf suck the cow about * week. Nine times out of 10 it will then be easier to teach it to drink than on the day it was born. Its hunching around the cow's udder seems to be beneficial in that it will prevent milk fever and also cures caked udder. When calves are about 2 weeks old the whole milk is diluted a little with skimmilk and this is gradually increased until at I month old they get nothing but skim-milk. If taught to eat hay and grain meanwhile, there will be much less of a tendency for them to suck each other after their milk feed. For a grain feed we give 4 parts bran, 4 parts corn meal, and 1 part oil meal right after the milk, twice a day. When there is plen ty of good pasture we omit one feed of grain and all the hay. They have plenty of water summer and winter. We always feed from clean vessels and each calf is fed separately. Cold milk is one cause of scours and whenever the milk has a chance to get cold we warm it before feeding. When a calf gets scours we scald its milk and then cool it before feeding, doing this for two or three feeds. O. B. Smith. Carneiro, Kan.

Getting on With a Dairy Herd. [Prize Letter.]

Mr. Editor-There is no such thing as a "dual purpose" breed of cattle. There are some dual purpose individuals but no breeds. The Holsteins are my choice but I would not advise a beginner to start in with valuable pedigreed animals except in the case of the sire. Start with such cows as you may have, or buy a few grades, then get a good sire and don't let a few dollars stand in the

way of your getting the right one. Next by the use of scales weed out the poor cows and keep the best heifer calves to take their places. In this way a good herd can be built up in a re-markably short time and there is a pride in breeding up and handling such a herd besides the increased profits. After a few years experience it might be advisable to invest in a few regis-tered heifers and then build up a herd of the best pedigreed dairy cattle possible, using the same methods as before.

It is important that cows have gentle treatment, always. Whenever a man loses his temper with the cows he also no circumstances should a club or whip your time 1 year.

be used. I have found that hogs and a manure spreader work in especially well with a herd of dairy cows, Keep all the cows your land will support and if by these methods you do not build up your land and increase your bank account there is something wrong elsewhere.

I prefer Holsteins because they hold the world's record for butter fat, produce more milk to be fed to hogs and calves, and the calves will sell for from \$2 to \$4 more per head at 6 weeks old than those of other dairy breeds. I have been selling my grade heifers at from \$50 to \$70 each when 2 to 2½ weeks old Another thing in favor of years old. Another thing in favor of Holstein cows is that they are not so nervous. G. F. Mitchell. R. 5, Holton, Kan.

Remedies For Calf Scours

READERS' RECOMMENDATIONS.

Mr. Editor-For white scours in calves break a fresh egg and mix in a little salt, stirring it up well. Give it to the calf in a long necked bottle and repeat in a day or two if necessary. Have a dry place for the calves to sleep. W. V. Culver.

Fowler, Kan.

Boiling the Milk Helps.

Mr. Editor-Take the milk to be fed and bring it to the boiling point, then allow it to cool to the right temperature before feeding to the calf. I have been doing this for 16 years and have never known it to fail as a cure for scours. John J. Steinbach.

R. 4, Leavenworth, Kan.

Baking Soda is Effective.

Mr. Editor-For white scours in calves I always use common baking soda-1 teaspoonful at a dose once a day. Repeat if necessary. This, also is good for pigs using a 1-pound package in about 30 or 40 gallons of swill. I have used this remedy for years and never knew it John Marshall.

R. 1, McLouth, Kan.

Just Plain Buttermilk Good.

Mr. Editor—In the 21 years that I have been raising calves the only sure cure I have found for scours is buttermilk. Lay the calf on its side, hold up its head and pour in the buttermilk through a funnel, a little at a time and about a pint at a dose. The best time to give it is between feeds. Repeat if P. Leininger. Stillwater, Okla.

Cured Through the Mother.

Mr. Editor-Dried blood can be obtained at packing houses in Kansas City but I have found an easier way to cure scours, where calves are running with the cows. Keep a box or half barrel in the cow run supplied with salt and air slaked lime in equal parts. This is for the cows but it prevents scours in the M. H. Cogswell.

Preston, Kan.

Ten Years' Use of Blood Meal.

Mr. Editor-I have used blood meal or soluble blood flour for 10 years and never had any trouble with scours. I feed it in the milk, a tablespoonful twice a day and it makes the calves grow and look thrifty. While a calf has scours give small feeds of milk until well. I feed the blood flour as soon as I begin feeding milk and after the calves are old enough to eat I put it in their feed. I buy this blood flour from Montgomery Ward at \$1.10 for a 25-pound sack. It is worth five times its cost to anyone raising O. A. Kellogg. Fall River, Kan.

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cted for Farmers Mail BY DR. F. S. SCHOENLEBER, Professor of Veterinary Science Kansas Agricultural College,

Our readers are invited to consult Dr. Schoenleber in an advisory way in case of trouble with livestock. Be sure to state the history of the case, location of the disease and the conditions under which animal has been kept. If a horse state weight. Also write across the top of your letter to be answered in Farmers Mail and Breeze and always sign name in full. Unsigned inquiries will not be answered. Answers will be published in turn.

Defective Breeding.

I have 80 purebred Poland China pigs that were farrowed this spring and 11 of them had a soft bunch in the middle of their foreheads where it seemed they falled to mature. The sows are in a thrifty condition and the pigs were large and strong but this defect has caused quite a loss.—C. D., Agra, Kan.

These troubles are very frequently caused from inbreeding or immature breeding animals, but so far as treat-ment is concerned, I know of nothing that will help you out.

Horses Eat Sage Brush.

My pasture is full of sage brush and my horses are eating it. What effect will it have on them and what is the best way to keep them from eating it?—J. F. L., Liberal, Kan.

If horses eat too much sage brush, which is very dry and woody, it is liable to cause impaction of the bowels. If they have some other laxative food with it, it should not injure them to any extent. There is no way of keeping them from eating it unless they get other and better food.

Discharges-Worm Remedies.

(1) I have a mare that has the habit of throwing off. Is there any way to stop this without breeding her?
(2) Is old style smoking tobacco good for worms in horses?—P. H. N., Morrowville, Kan.

(1.) There is no way that this can be stopped as in all probability it is an unnatural and possibly an unhealthy

(2.) While tobacco in many instances very good, I would prefer using turpentine and raw linseed oil, from 1 to 2 ounces of the former to about 1/2 pint of the latter mixed and given

Swelling on Pregnant Mare.

I have a mare about 15 years old that is soon to drop a colt. She has a bad swelling which runs alons under her belly to her forelegs. It seems to hurt her and it is a little lame. What is it and what can be done for it?—E. F. W., Kinsley, Kan.

Nothing can be done with these cases excepting to give the animal plenty of exercise and good laxative food. As soon as she drops her colt, this swelling will all disappear. The trouble seems to be one of two things, either thinning of the blood or which is more probable in older animals, a pressure upon some of the vessels which interfere with the circulation of the blood and causes these swellings in this way. Medicinal treatment will help very little,

Throat Affection.

I have an extra good Jersey cow and the last month have noticed a gurgling sound in her throat and her breath has a very foul smell. She has had good care all winter and will calve this month.—C. E. R., Colony, Kan.

There may be a foreign body somewhere in the mouth or throat, and would therefore examine the teeth and sur-roundings very closely. The fact that there is a bad odor-present would suggest the above condition. Would also examine thoroughly around the outside of the throat and see if there is an indication of an external abscess and if opened, but would suggest great caution on account of the number of large vessels in that immediate vicinity. Nothing short of a thorough examination would probably do any good. Internal treatment or local application will probably not do any good.

Leg and Back Weakness.

I have a pure Duroc-Jersey male that had been in good order but he is now afficted with something and has become almost powerless in his legs and back although he eats and drinks well,—J. S. D.,
Horton, Kan.

These conditions are very hard to overcome as a rule. They are usually caused from one of se-ral things, either badly infected with worms, tuberculosis, or lack of nerve force of the parts, caused

from too much of one kind of food or not variety enough, or by exposure to weather or injury. Would see that the animals get laxative food. A little Epsom salts given in the drinking water or swill if they will take it will frequently help, or ½ teaspoonful of powdered sulphate of copper dissolved in the swill once or twice per day for 10 days to two weeks sometimes helps the trouble.

Lameness From Old Cut.

Lameness From Old Cut.

I have a 9-year-old driving mare that weighs 1,095 pounds that has been very lame all winter. She first hurt herself by rearing and getting the shaft under her right foreleg. I applied some liniment which seemed to help but then she was kicked on the same shoulder and the liniment again helped for a time but then she ot so lame I couldn't use her. She has an old scar on the same foot from a wire cut when she was 2 years old. The cut was through the inside quarter of the hoof and the heel has contracted while the inside quarter is cracked. This foot has a bad odor. The veterinarian says she has thrush.—S. C. O., Valley Falls, Kan.

It is hard to prescribe for conditions

It is hard to prescribe for conditions of this kind without seeing the case, but would suggest that you trim up the hoof, cutting away all superfluous horn and soften up the foot by soaking either in water or with some good poultice. Would then thoroughly wash the foot with some good antiseptic solution, say 1/2 ounce of creolin to 1 quart of water. Lack of use would naturally contract this hoof somewhat and it may be that it will grow out normally if it is kept soft. Would investigate with a knife and see just where this pus comes from and try and heal it with some good antiseptic.

Too Frequent Urination.

I have a 9-year-old mare weighing about 1,100 that is in good working flesh. She has the bad habit of urinating often, as much as 9 or 10 times a day. Her urine is clear as spring water. I have noticed this habit as long as six months ago. Is there anything to be done for it?—B, E. S., Bronson, Kan.

This irritation of the kidneys and bladder might be helped by giving her 1 ounce of nitrous ether every other day for two doses then giving her ½ ounce of liquor citrate of potash once per day for about 10 days. If there seems to be very much irritation, would suggest that you see a graduate veterinarian about the case.



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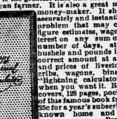
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For revision of taxes downward—on city, county and township as well as state taxes.

For the strictest economy in public expenditure—a dollar's worth of service for every dollar of the people's money.

For all legislation which eliminates useless officials, clerks, commissions and boards, usually created to give jobs to political leeches and grafters.

For the civil service and merit system in the transaction of all business of the state.

For consolidation of boards and other

For consolidation of boards and other public offices wherever possible.

For salaries for county officials instead of the present fee-grabbing system. For a more efficient primary law, including a presidential preference, and the fullest publicity to campaign expenses and contributions, and the elimination of the slush-fund in politics.

For government by the people and not the bosses, the politicians and favored special interests.

For the election of state and county

special interests.

For the election of state and county officers for a term of four years, subject to recall, and making state officers ineligible for more than one term.

For the election of United States senators and all officials by direct vote of the people, and for the non-partisan election of indical officers. of judicial officers.

of judicial officers.

For abolition of life terms of office of federal judges and substitution therefor of limited terms.

For an amendment to the present inheritance tax law, exempting all direct heirs up to \$25,000.

For the state publication of school books and distribution to patrons at actual cost.

For the Initiative, Referendum and Recall.

For the Initiative, Referendum and Re-call.

For a practical, sensible good roads law, that will do away with the wastefulness and inefficiency of the present system. For the assessment of real estate every four years, and abolishment of the office of county assessor, except in counties where the office is created by vote of the people.

the people.

For less technicality and speedier jus-

the people.

For less technicality and speedier justice in courts.

For legislation to increase the efficiency of the rural and grade schools.

I am opposed to the resubmission of the prohibitory amendment and am for the strict and impartial enforcement of all the laws of the state without fear or favor, for rich and poor alike.

For a law to give to a convict's dependent family a portion of his earnings while in the penitentiary.

For more farmers and business men and fewer lawyers and politicians for legislative work.

There are too many useless and foolish laws in this state. I favor their repeal or revision.

I favor prison for the big thieves as well as the small ones, and am opposed to paroles for bankers.

For substantial tariff reductions to the lowest basis that will support the American standard of wages.

For a law that will effectively stamp out the white slave traffic.

For public officials who respect their oath of office and who regard their campaign promises as a binding agreement with the people who elect them.

If you believe this is a platform farmers should vote for and support I shall be glad to have you mark it or clip it from the paper and hand it to your

Flies Are at Work in Wheat

BY T. J. HEADLEE, Entomologist Kansas Experiment Station.

[Written for Farmers Mail and Breeze.]

In a short time the readers of Farmers Mail and Breeze, living in the corn and wheat belt, will need full information in regard to ways and means of checking and destroying chinch bugs when they attempt to pass from wheat, nd other small grains, into the nearby fields of corn, cane, and Kafir. Dr. Headlee, entomologist of the Kansas station, is preparing such an article for us and it will appear in the Mail and Breeze at an early date.—Editor's Note.

The Hessian fly is present in the wheat fields of eastern Kansas in sufficient numbers to do serious harm. As might be expected the early sown wheat is infested and late sowings comparatively or completely free. At this time of year the fly is either a small white maggot or a brown oval "flaxseed," a little less than 14-inch long. If present it can be found lying lengthwise of the stems between the leaf sheath and the straw. To find it pull up a bunch of wheat, roots and all, and strip down the leaves of the stalks and watch for small oval white or brown bodies.

All stalks infested will bear at best only a partial yield and practically all stalks sufficiently infested at this time to weaken the stem materially will fall and be a total loss before harvest. If practicable to pasture field with hogs after harvest, much of the waste wheat can be turned into pork.

No one can say whether the next crop will experience damage, for that depends on the weather, but it is a safe guess that the chances are in favor of heavy damage. The wise farmer will take measures looking toward the prevention of fly damage as a matter of insurance.

How to Guard the Next Crop.

As the result of a study of the question during the last four years, the following scheme is presented as the one most likely to prevent fly damage where wheat is to follow wheat:

Disk the stubble just as quickly after harvest as practicable, the sooner the

It is a Mail and Breeze notion that a good job shows up well all season and sometimes the next one.

better. This will conserve the soil mois ture and render later plowing easier. It will start the volunteer wheat and the weeds and will cause the fly to emerge earlier.

Plow 6 inches deep three or four weeks after harvest in such a thorough manner that all stubble and trash will be thrown in the bottom of the furrow and covered by the whole thickness of the furrow slice.

Work down into a compact seed bed in such a manner that the stubble will be covered with several inches of well compacted soil. This will prevent the escape of the flies from the covered stubble, and will cause the wheat to germinate and make proper growth in the shortest possible time

Sow on or immediately after the flyfree sowing date.

When wheat does not follow wheat, prepare the best posible seed bed and conserve the soil moisture to the greatest possible extent. Sow on or immediately after the fly-free sowing date.

As the result of four years of ex-perimental sowings in all the parts of the state which markedly differ from one another climatically, we find that Kansas at the north line on or immediately after October 1, is free or practically free from the fly. Wheat sown at the south line on or immediately after October 14 is free or practically free from flies and that wheat sown one day later than October 1, for every 14 miles south of the north line is like wise free or practically free from infestation. Manhattan, Kan.

A high grade, guaranteed durable live rich red barn paint is sold by the Sun-flower Paint & Varnish Co. of Ft. Scott, Kansas, direct to the consumer at only 85c per gallon in 5 gal. cans, freight pre This is a paint proposition worth considering by every farmer. This is a reliable company and now is paint sea-son. Try this paint.

NO MORE

You know that the big automobile problem—the big automobile trouble—the big automobile expense—all arise from the question of TIRES. Get rid of TIRE TROUBLE, and you double the efficiency of your car and cut its operating expense in two. Well,

> I Want to Prove to the Thinking **Automobile Owners of Kansas** That the Problem Is Solved

and I mean PROVE. You know as well as I do that American ingenuity is going to solve that troublesome tire problem SOME DAY; why not NOW? It IS solved, perfectly and economically, by the

Dahl Punctureless Tire

As resilient as air-as lasting as hard rubber

If you are really anxious to save money and avoid trouble in operating your

car, you'll investigate. That's all I ask.

The Dahl Punctureless Tire (a TRIED and PROVED success) does away with the inner tube and with the use of air.

It is an elastic compound made of pure para rubber and vegetable oils, molded in forms to fit all sizes of casings. (No inner tubes are used.) It is not affected by heat, cold or moisture-will not flatten from standing

and will not crumble if the casing is cut.

It prolongs the life of the casing and can easily be transferred to a new casing when the old one is worn out. It is practically indestructible; will outlast

several outer casings. It gives you the easy-riding qualities of an air-inflated tire (you can't tell that you're not riding on a pneumatic tire) and it relieves you of all the trouble and expense of punctures and blowouts.

Will You Investigate?

Don't say "IT CAN'T be done!" Investigate and see. More than 300 cars are already equipped in Kansas, and we have thousands of satisfied and delighted customers in all parts of the country. All we ask is the privilege of "SHOW-TWO VOIL" ING YOU."

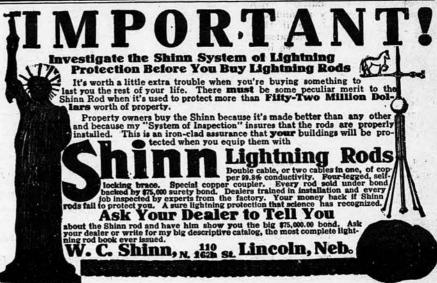
Send Me Your Name Today

Write right now while you think of it, and I'll send you names of Kansas users and our booklet, "What Other People Say." See how the experts regard this great invention. See how it is saving money and time and trouble for men who are willing to look into a new idea. May I send the book?

C. C. Davis, Mgr., The Punctureless Tire Co. of Kansas Distributors 106 East 10th St., Topeka, Kansas

We Want Agents: Local agent wanted in every county can give his time to this business preferred. Territory will be allotted so that agents will not conflict in selling.







Why Pump and Toil Your Life Away

William Galloway President

Look at the Picture at the Top of this Page

They show just what hundreds and hundreds of people all over the country are doing—actually pumping and toiling their lives away. And all because they will not give serious thought to the wonderful advantages of the pumping engine on the farm.

Now Look at the Picture at the Bottom of this Page

It shows the famous Galloway 21/4 H. P. Pumping Engine working away at the pump while the hired help are busy with their other chores.

The most important question on the farm to-day is "power." The business farmer looks upon a gasoline engine to-day as the cheapest help he can employ, and has cut the hard labor of farm life for himself and family right in two by having plenty of power on his place. Think of the many hours you have spent pumping water by hand when the windmill didn't work; or the endless hours of hard labor you have put in shelling corn, grinding feed, churning, turning grinds tone, cream separator or washing machine.

I tell you, there's nothing to it; you can't get along without a gasoline engine and you are losing a great opportunity if you don't take advantage of this Special Coupon sale and get it right now while the Coupon Check is good

You Have Thirty Days to try this Engine Before the Deal is Closed

We don't ask you to take our word for what this engine is or will do. Test it for yourself, be your own judge, then if it don't do the work to your full satisfaction, just send it back to me and I will refund every cent of your

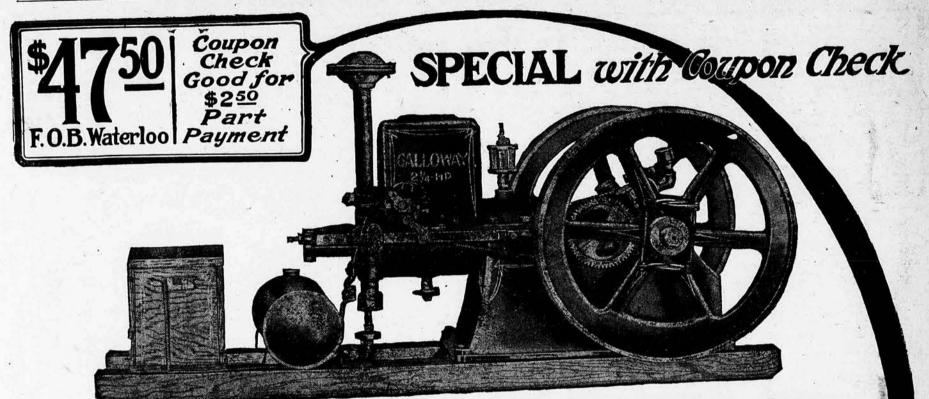
money and pay the freight both ways besides.

Now don't wait! Don't delay! Cut off the coupon check shown at the bottom of opposite page and send it in to me together with your remittance of \$45.00 and you will soon have one of these wonderful power plants doing the work that has always been the bug-bear of your farm life.

Cash in the Coupon!
It's Worth Real
Money to You.



THE WILLIAM GALLOWAY CO., 205PD Galloway Sta. Waterloo, Iowa, U.S.A.



GALLOWAY'S FAMOUS 24 HP PUMPING AND LIGHT WORK ENGINE (Catalog No. A1857)

Here is just the engine you are looking for—a positive masterpiece in small engine construction and yet large and powerful enough to handle all the small machines you have on the farm.

What's the use of toiling your life away pumping water, grinding feed, turning the cream separator or washing machine when, for only \$45.00 you can put one of these little giant power plants at work on your farm and devote your own time to more profitable work?

Now, remember this is not a \$45.00 engine, our regular price is \$47.50, and there has never been an engine of equal quality or of such actual horse

Now, remember this is not a \$45.00 engine, our regular price is \$47.50, and there has never been an engine of equal quality or of such actual horse power ever offered at anything like this price. And that isn't all—to induce you to buy right now I am offering you a coupon check which, if you will cut it out and send to me with your order for one of these engines, I will accept it as \$2.50 part payment for this engine, making its price to you only \$45.00.

Just think of it—\$45.00 for an engine that you can move around from place to place on the farm and save you all the hard work that you are now doing, that your wife is doing, that your children are doing, that your hired help are doing. You are paying out more than this every month in wages and physical exertion and making farm life a drudgery for every member of your family.

13/4 h. p. Air Cooled Design—Catalog No. A1853

Coupon not good with this engine.

These engines are thoroughly tested out before being shipped and we guarante them absolutely to be the peer of any air cooled engine now on the market fequal size, but we still insist that you will get much better satisfaction from ther of the two water cooled designs.

13/4 h. p. Water Cooled Design-Catalog No. A1856

Coupon not good with this engine.

Coupon not good with this engine.

This is the smallest water cooled engine we build and if you are going tan engine of less than 2 h. p. this is the engine we certainly recommend you. It is well made, of proper design and utmost simplicity. It will do a work you can give it to do and will do it easily and with such little effort there is practically no wear and tear on the engine and when you considerittle difference in price between this engine and the air cooled design above, you will readily understand why we recommend your buying the cooled engine.

Now, everybody knows what Galloway Engines are and what perfect satisfaction they are giving to farmers all over the country. They stand in a class by themselves, they are simple, easy to operate, economical in fuel consumption and will outwear, outrun and outpull any engine of equal horse power on the market at the present time. market at the present time.

Market at the present time.

Now, of course, we make smaller engines than these and we show you our two smaller sizes on this same page. The 1¾ h. p. Air Cooled design at \$32.75 is, without doubt, the biggest bargain ever offered in an engine of this size and quality. My 1¾ h. p. Water Cooled design at \$39.50 is away ahead of anything ever offered at the price, but still I do not recommend buying these smaller size engines. While they are finely built of the very best of material and workmanship, and will pull as much as any engine ever built of equal horse power, I do not believe that these smaller engines are what the farmers want. There are so many things always to be found on the farm for an engine to do There are so many things always to be found on the farm for an engine to do that require a little more horse power than the 1%, that my experience has been that almost every man that has bought one of these smaller engines has

that require a little more horse power than the 1%, that my experience has been that almost every man that has bought one of these smaller engines habeen sorry for it and wished he had bought a little larger size.

Now, this 2% h. p. engine will meet your requirements. Of course, 't will not run your threshing machine, nor your sixty-foot elevator, or any of the other big machines that you have on the farm, but it will handle, of the other big machines that you have on the farm, but it will handle, in good shape, at the water you can possibly want to pump for your in good shape, at the water you can possibly want to pump for your feet, ensilage, or other altroposes. It will handle your corn sheller, your feed cutter, ensilage that it is worth ten times its price in the actual pleasure and comfort it will give you.

HERE ARE THE SPECIFICATIONS, read them over and then compare them with any other engine of equal horse power that are selling at anythem with any other engine of equal horse power that are selling at anythem with any other engine of equal horse power that are selling at anythem with any other engine of equal horse power that are selling at anythem with any other engine of equal horse power that are selling at anythem with any other engine of equal horse power that are selling at anythem with any other engine of equal horse power that are selling at anythem with any other engine of equal horse power that are selling at anythem with any other engine of equal horse power that are selling at anythem with any other engine of equal horse power that are selling at anythem with any other engine of equal horse power that are selling at anythem with any other engine of equal horse power that are selling at anythem with any other engine of equal horse power that are selling at anythem with any other engine of equal horse power that are selling at anythem with any other engine of a manufally of the composition of the complete outfit, power p

Cash this Coupon

This Coupon Is Worth Real Money to You



The William Galloway Co. 205 P.D.Galloway Sta. Waterloo, Iowa, U.S.A.



CONDUCTED FOR FARMERS MAIL AND BREEZE BY REESE V. HICKS, PREST. AMERICAN POULTRY ASSOCIATION.

We want you to talk chicken with us. Good short letters on poultry matters especialty welcome. A year's subscription to Farmers Mail and Breeze is awarded each week for the most helv ul bit of poultry experience, and for sec-ond and third best contributions subscriptions to other useful publications.

Why dope a healthy flock?

We would like a word from the caponizers for this page.

It is best to kill fowls 10 hours be fore preparing them for the table.

The smoother the roosting poles the more easily they can be kept free from vermin:

This is easily done by putting her in a coop that has a slatted bottom. Swing the coop up off the ground.

Lard, sulphur, and a little coal oil mixed up well together are recommended as an effective cure for scabby legs.

An occasional plowing of the poultry yards and runs disposes of the filth and keeps the premises from getting

One of the little things that lessens expense and adds to profits is to fat-ten and market the surplus cockerels in spring broods as early as possible.

The Reds Are Improving.

Mr. Editor-The Reds are worthy of all the praise they are receiving just now in the various poultry papers and I am satisfied they will continue to grow in popularity. When they have been bred as long as the Plymouth Rocks and others of the old standard varieties, I am satisfied they will run more evenly, for they are getting better every year. The Reds being exhibited now are vastly different from the ones which were shown a few years ago. ones which were shown a few years ago. One mistake some Red breeders make is sacrificing size and breeding for color. Shape and size should come first, color next. Mrs. Allie West.

Garnett, Kan.

First Aid When Chicks Get Wet. [Prize Letter.]

Mr. Editor-Many people make a great mistake by wrapping chicks in a cloth and putting them under the stove when they get wet. I have found it a good plan to heat a brick and wrap it in several thicknesses of paper. Put the chicks on this and wrap all up together. In a little while the chicks will be as lively as ever. On looking at my incubator one day, when a hatch was coming off, I found 25 chicks smothered and 18 apparently dead. On taking them out in the cold air the latter became chilled at once and the first thing I did was to heat a brick and put it in a box with the chicks. I covered the box and in a short time 17 of them had revived and are now doing nicely. My first hatch came off early and not having hens to care for them I put the chicks in a box kept two warm bricks with them, and covered the box with bagging letting it sag down so as to touch the chicks. These chicks are now almost ready for Mrs. G. G. Broughton. Moline, Kan.

Bringing Up a Turkey Brood.

Mr. Editor—When young turkeys die the cause is usually over-feeding, lice or

Incubator Chicks.

Dear Sir: We hear so much about the difficulty of raising incubator chicks I have been in the business for 21 years. always lost so many I was quite discouraged. This year I sent 50c (M. O.) to the Walker Remedy Co., L 13, Lamoni, Iowa, for their Walko Remedy and am having great success with it—makes me think I have found a gold mine. If I had only tried it long ago, just think of the hundreds, yes, thousands of little downy fellows I could have saved. It certainly is a boon to incubator users .-Mrs. Chris Wolf, Exira, Iowa.

damp weather. I set one turkey hen early in the season and set one or two chicken hens on turkeys eggs at the same time. When the turks are hatched I give them all to the turkey hen. I get I give them all to the turkey hen. I get my nest and eggs ready and then when night comes put the turkey on them and fasten her up two or three days. She may go back to her old nest once but not usually a second time. When the eggs have hatched I grease the hen with a little coal oil and lard. If the little turkeys get lousy I grease their wings, top of head and around the vent. It is sometimes necessary to grease them every week for two or three weeks, I feed light bread wet with sweet milk, and curd cheese. When they are 3 weeks old I begin feeding Kafir. I sprinkle old I begin feeding Kafir. I sprinkle cinnamon in their food.

Mrs. C. H. Saunders.

R. 3, Toronto, Kan.

Pickling Eggs in Water Glass.

Mr. Editor—The chemical name water glass is sodium silicate or silicate of soda. It may be obtained in a gran-ular or powdered form, but as it is somewhat difficult to get into solution I would advise the liquid form, which may be obtained at about 50 celnts a gallon. This is a strong solution, about the consistency of molasses. The following formula may be used for preserv-ing eggs: To 10 quarts of water which has been boiled and cooled add 1 pint of water glass, and stir thoroughly. Place this solution in a jar or tub and add the fresh eggs, in sufficient quantity to have at least 2 inches of the solution above the eggs. This quantity should be sufficient for about 5 dozen eggs. Water glass may be bought from any large drug firm. Charles E. Francis. Oklahoma Experiment Station, Stillwater.

Milk Makes Tender Fries.

For fattening or for laying birds, there is nothing better than milk and it does not make much difference what kind of milk you give them. Sour and buttermilk are as good as any, while sweet milk and curd are good. W. A. Lippincott, head of the poultry department of the Kansas Agricultural college, gives the following in the Industrialist as an excellent ration for fattening purposes:

1 part corn meal.
1 part oat flour.
1 part barley meal.
1 part beef scrap.
8 parts buttermilk or skimmilk.

The best results are had with crate feeding, five or six birds to a coop. The bottom is of lattice work, and that makes it self cleaning. There is plenty of room in the coop, but the idea is to prevent exercise. The crate should be put in a protected place, but not in a house. Under a tree or at the side of a building is a good place, if it is where other fowls cannot molest them. They are given no food for 24 hours previous to the feeding period, which should last from two to three weeks. The milk will be sufficient to allay their thirst. Feed-ing in this way has brought gains of from 25 to 85 per cent. It costs from 5 to 7 cents worth of grain to put on a pound of gain. The flesh of a bird fattened in this way is far better, being much whiter in appearance and more juicy, and much more palatable.

Reports of Hatches Now Due

LETS HAVE 'EM QUICK.

Our incubator, or fifth annual hatch ing contest; closed May 30, 1912, and re ports should be made at once. your report enclose the manufacturer's bill or your dealer's acknowledgement year (1912) from a Farmers Mail and Breeze advertiser. Report your two best hatches in the following form. Report of second hatch for use in case of a tie for the prizes:

(First Hatch.)

(Second Hatch.)

The figures and dates used in the form report above are simply to illustrate how hatches are to be reported. in.

Reliable Poultry Breeders

PLYMOUTH ROCKS.

THIRTY EGGS five dollars. Duff's Barred Rocks, Larned, Kan.

BUFF ROCKS—Write me today for list William A. Hess, Humboldt, Kan.

WHITE ROCKS Quality good; eggs and chicks for sale, J. A. Kauffman, Abilene,

BARRED ROCKS. Winners, weighers and layers, 15 eggs \$1. O. Warrenburg, Centralia, Kan.

"WHITE IVORY" WHITE ROCKS. Eggs \$1 15, \$5.00 100. Mrs. Harry Webster, Yates Center, Kan.

PRIZE WINNING Barred Rocks. Eggs \$2.00 15, \$5.00 60. Mrs. Chris Bearman, Ottawa, Kan.

BARRED PLYMOUTH ROCKS exclusive-ly. Eggs 60 cts. per 15, \$3.00 per hundred. Mrs. S. B. Shaw, Goff, Kan., R. 3.

BARRED ROCK eggs, \$1.59 for 15, from prize winning, high priced birds. Eggs guaranteed fertile. E. C. Jewell, De Witt, Neb. PURE BRED BARRED ROATS with yellow legs. Baby chicks 12 cents each. Eggs 15 \$1.25, 30 \$2.00, 100 \$5.00. Mrs. John Yowell, McPherson, Kan.

BARRED ROCKS that have been line bred for 13 years; exhibition stock a specialty; must make room; cockerels \$1.00 to \$10. G. R. Miller, Bowling Green, Mo.

BARRED ROCKS—Breeders \$1.00 to \$2.50.
Babies each 20c, 12 \$2.00. Eggs 15 \$1.00.
60 \$3.25, 100 \$5.00. Winners Topeka, Manhattan, Topeka, Mrs. D. M. Gillespie, Clay
Center, Kan,

BARKED ROCKS—Special prize matings of Missouri and Oklahoma winners. Eggs reduced to \$1.50 and \$2.00 per 15, beginning May 20. Splendid health and vigor. Mating list free. J. M. Wales, Springfield, Mo.

13 YEARS' experience with Onward and Upward Barred Rocks has put them in the very front ranks of breeding and individuality. 15 eggs \$3. Pullet mating only. G. E. Dyksterhuis, Holtz, Colo.

EXTRA GOOD S. C. W. Leghorns. Eggs

HART'S Single Comb Buff Leghorns give satisfaction. W. D. Hart, Ashland, Mo.

PURE Brown Rose Comb Leghorns. Eggs 34 cents each. Laura A. Hazen, Hollis, Kan.

PURE S. C. BROWN LEGHORNS—Eggs, 30 \$1.00, 100 \$3.00. S. Oveson, Osage City, Kan.

ROSE COMB BROWN LEGHORNS—Kulp strain. Eggs, 100 \$3. Mary Mick, Ransom,

SINGLE COMB BUFF LEGHORN eggs \$2.25 per 100, remainder of season. Dan Davis, Otego, Kan.

GUARANTEED thoroughbred pure White S. C. Leghorn eggs, 15 75c, 100 \$4.00. J. A. Blunn, Sta. A, Wichita, Kan.

SINGLE COMB BROWN LEGHORNS-Bred from best laying strains. Eggs at farm er's prices. J. F. Crandall, Barnes, Kan.

MY STANDARD BRED S. C. Buff Leghorns won at Newton 1st cock, 1st and 2d cockerel, 1st, 2d and 3d hen, 1st, 2d, 3d and 4th pullet, 1st pen. Stock for sale—cockerels \$1 and up. Egg \$ \$2.50 for 15; \$5 for 100. S. Perkins, 801 E. First street, Newton, Kan.

RHODE ISLAND REDS.

BABY CHICKS—Purebred S. C. Reds 10 ts. Mrs. Geo. Tudor, Osage City, Kan.

ROSE COMB REDS—Eggs \$1 to \$5 per sitting, from prize winning birds. F. M. Thompson, Fairmont, Neb.

SINGLE COMB RHODE ISLAND RED eggs, \$3 per 100; \$1 per 30. Mrs. Rosa Janzen, Geneseo, Kan., R. 3.

ROSE COMB RHODE ISLAND REDS—My pens next 60 days reduced to \$1.00 15 eggs. rank Tuttle, R. 2, Chanute, Kan.

NEOSHO POULTRY YARDS—Rose Comb R. I. Reds. Bargains in eggs and this year's breeders. J. W. Swartz, Americus, Kan.

THOROUGHBRED Rose and Single Comb Rhode Island Red hens \$1 each. Eggs at half price. D. J. Bliss, Carthage, Mo.

SEVEN YEARS a breeder of R. C. Reds. Good layers; farm range eggs \$4.00 100. An-conas \$1.00 15. Mary Bartley, Barnes, Kan. BUY S. C. RED eggs from my fancy pens, and get value received. Having excellent hatches reported. Write for prices. Clyde C. Whiteley, Wichita, Kan.

SINGLE AND ROSE COMB R. I. REDS. Eggs from best laying, richly colored strains in the country. 15 for \$1. \$4 per 100. Col. Warren Russell, Winfield, Kan.

DEEP RED R. C. REDS—Pens headed by State Show and other show winners. All scored stock. Eggs cheapest in the West, quality considered. \$1.00 to \$3.00 per 15. Large yard of choice color, shape and size, \$4.50 per 100. Free circular. Stover & Myers, Fredonia, Kan.

Prize winners will be sworn to their reports after contest has been judged. Address reports to Poultry Editor, Farmers Mail and Breeze, Topeka, Kan. at once.

Clip the main feathers on one wing of the fence flyer. That will keep her

Reliable Poultry Breeders

ORPINGTONS.

IRWINDALE FARM White Orpington eggs half price. Free circular. Route 7, Topeka.

S. O. BUFF ORPINGTON eggs, 15 \$1,00, 100 \$4.00. Mrs. O. R. Gale, Cherryvale, Kan. Rt. 1.

KELLERSTRASS ORPINGTONS — Eggs 1.56 per 15, \$2.50 for 30. Hens with chicks, ree catalogue. Phillips Farm, De Sote,

CRYSTAL WHITE ORPINGTON eggs reduced from \$5.00 to \$2.50; all others to \$1.50 for 15; catalog free, P. H. Anderson, Box M-53, Lindsborg, Kan.

GOLDEN BUFF ORPINGTON eggs, 15 \$1.00, 30 \$1.75, 100 \$4.00. Special mating, 15 \$3.00; only few to spare from this pen. White House Poultry Farm, Salina, Kan.

DUCKS.

LARGE white Muscovy ducks. Prize winners' eggs \$2.00 per setting. S. H. Lenhert, Abilene, Kan.

INDIAN RUNNER duck eggs. Pen One, fourteen \$1.50. Pen Two, fourteen \$1,00. Julia Little, Conway Springs, Kan.

INDIAN RUNNER duck eggs. Prize winners at American Royal, K. C., Mo. Heavy laying strain. Geo. E. Hobson, Pittsburg, Kan.

BUFF ORPINGTON DUCK eggs. \$3 per setting. Prize winners. Something new. Satisfaction guaranteed. Maud Wadsworth, Mound Valley, Kan.

WYANDOTTES.

SILVER LACED WYANDOTTE eggs, 15 \$1.00, 100 \$5.00. Mrs. Janie Hunt, Lebo, Kan.

WHITE WYANDOTTE baby chix 12c each. Incubator eggs, 100 \$4.00. Mrs. M. E. John-son, Humboldt, Kan., R. 2.

BUFF WYANDOTTES—Eggs and baby chicks from the finest lot of breeding stock we have ever mated. Mating list furnished on application. Baby chicks, \$3.00 a doz., eggs, \$2.50 per 15. Two sittings \$4.00. Prices cut in half after April 20. Wheeler and Wylle, Manhattan, Kan.

LANGSHANS.

SPECIAL SALE PRICE—Black Langsham eggs \$1 for 15, \$5 per 100. Mrs. Geo. W. King, Solomen, Kan.

BLACK LANGSHANS—Eggs from pens cored cockerels \$1.50-\$2.00; range \$1.00. John Bolte, Axtell, Kan.

BUFF AND BLACK LANGSHAN pullets, score to 96%, ckis, finest strains, 96. Egg orders filled promptly at \$1.00 to \$2.00 per setting and \$5.00 per 100. J. A. Lovette, Mullinville, Kan.

WHITE HOLLAND turkey eggs, \$2.00 for Mrs. Grace Dick, Harlan, Kan.

FOR SALE—Bourbon Red turkeys. Trie \$11.00. Pair \$8.00. Eggs 25 cents each. Mrs. M. H. Arnold, Toronto, Kan.

WHITE HOLLAND turkey eggs for sale; choice strain; \$2.00 per setting. Few laying hens \$3.50 each. Mrs. H. F. Elder, Morrow-ville, Kan.

BLACK SPANISH.

WHITE FACE BLACK SPANISH eggs for hatching, 15 \$1.00, 50 \$3.00, 100 \$5.00. A. W. Swan, Centralia, Kan.

WHITE FACED BLACK SPANISH exclusively for 17 years. Best blood in America. Eggs balance of season \$1.00 per 15. Circular free. Extra well packed. \$5.00 per 100. Chestnut & Son, Centralia, Kan.

ANCONAS.

MOTTLED ANCONAS. Eggs \$1.50 to \$2.00 per setting. Baby chicks \$2.50 and up. W. Hardman, Frankfort, Kan.

HOUDANS.

HOUDANS—World's greatest winter layers. Eggs and stock. Mrs. Lee Biglin, Aits Vista, Kan.

COCHINS.

PARTRIDGE COCHINS—Stock and eggs for sale. Mrs. C. Wonderly, Benedict, Neb. MINORCAS.

SINGLE COMB BLACK MINORCA eggs, 15 75 cts., 30 \$1.50. Sarah Peters, Nash-ville, Kan.

SEVERAL VARIETIES.

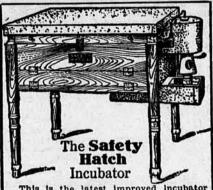
THIRTY-FIVE VARIETIES thoroughbred poultry. Catalog free. Jordan Poultry Farm, Coffeyville, Kan.

THOROUGHBRED hens, cockerels, Runner ducks. Dollar each. Jordan Poultry Farm, Coffeyvile, Kan.

48 VARIETIES, poultry, pigeons; cut prices on stock and eggs. Catalogue 3 cents, Missouri Squab Co., St. Louis.

BLUE BARRED ROCK and R. C. Chocolate Red eggs priced reasonably considering quality. Write Milton Delhi, Lawrence, Kan.

S. C .WHITE AND BROWN LEGHORNS and R. C. Redr. Eggs. Chics 12c up. Cir-cular. Prosperity Poultry Farm, Barnes, Ken.



This is the latest improved incubator and by reading our catalog you will discover it has features never before applied to an incubator. It is fireproof, has a sliding lamp that holds oil enough to run ten or twelve days, and it is a perfectly sanitary machine, as the top raises and all of the insides can be taken out and cleaned. Every piece of lumber in it is kiln dried. Ask your dealer for a SAFE-TY HATCH catalog or write us.

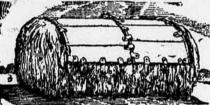
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Surest and Safest Silo Filler—"OHIO"

Used and indorsed by hearly every State and U. S. Experiment Station and thousands of farmers. Send for proof. Design, materials and construction backed by 58 years an annufacturing experience, and 58 years of making Silo Fillers. Five styles to select from—each one—non explosive. No desays or breakdowns—capacity 8 to 30 tons per hour on one half inch cut. Direct drive. Only one belt pulley and six gears. Takes less power, is wonderfully simple. Outs corn, alfalfa, field poas, so beans, sorghum, kaffir corn, milo maiso, dry fodder, etc. Send name on postal for FREE Book. Address SH.VER MFG. CO. Salem, Ohio.

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DR. W. F. CALDWELL, DEAN,
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CROPS and FARM WORK

Last Week's Showers Fell Opportunely But a More General Rain Is Needed For Wheat-Corn Is Getting Under Way But Would Do Better With Less Wind-Hessian Flies Working In Wheat—Call For Harvest Help Sent Out.

(Crop Reporting Service of Farmers Mail and Breeze.)

Good rains Friday and Saturday of last week put an end to the damage to crops from dry, windy weather for the time being but were not sufficiently heavy to make the benefits very lasting. A good general rain now would do a world of good to all growing crops, especially to wheat which is in the head and forming grains. In some counties and forming grains. In some counties where rainfall has been scant the last where rainfall has been scant the last six weeks, the crop has been hard hit but as a general rule the wheat fields of eastern Kansas and Oklahoma have been holding their own. Just one more good shower this week or next is all that wheat growers are asking for. Where moisture has been scarce the straw will naturally be short and Reporter Wakefield of Ottawa county, Kansas, says that nothing but headers can be used in the harvest out there. the harvest out there.

The rain of last week was just what corn needed to start it stretching. At this time of year corn needs a warm sun above and moisture below and these conditions have prevailed in most of Mail and Breeze territory, although high

CORN REPORT WANTED.

We ask each and every one of the crop correspondents of Farmers Mail and Breeze to mail us a special report on corn Saturday, June 22. Give s as good an estimate as you can on the increase in acreage over last year, also the stand, using 100 per cent to indicate a perfect stand. State whether fields are clean or weedy, if chinch bugs are doing any damage to the erop and about how much old corn, if any, there is on hand.

winds have offset some of their good effects. Stands differ widely in the same locality, these local differences undoubtedly being due to condition of seed.
All corn has had its first working and some has been gone over twice.

Insect damage to grain crops has been small this spring and limited to chinch bugs here and there and some Hessian flies. The flies however are getting worse as the season advances and may do considerable damage to wheat before harvest. This also means that they will be on hand next fall and extra precautions will be necessary in putting in the next wheat crop. Dr. Headlee, entomologist at Manhattan, has a timely article on this subject in this week's Mail and

Along with other feed crops, cowpeas are being heavily planted this spring and more will follow wheat and oats as a catch crop while still others will be tried in corn late in the season. Re-porter Heyland of Marion county, Kan-sas, states that cowpeas are being sas, states that cowpeas are grown for the first time in that community.

The call for harvest hands has gone out and present indications are that quite an army of help will be needed to hands the wheat crop. Our reporter in Morton county, Kansas, says that a good many men from that section will go farther east to work through the harvest. The western part of the state will be able to supply a good deal of help for eastern counties since their own a hackward

KANSAS,

Chase County—Good crop of alfalfa put up. Corn shows fair stand. Wheat shows good prospects. Chinch bugs are working in oats. Stock doing well on pastures. Gardens showing up fine.—W. J. Dough-

Osborne County—Weather dry and windy the last two weeks and some fields of wheat have been damaged 50 per cent. Stalk wheat not hurt much. Corn growing solwly and needs rain. Alfalfa harvest on and crop is fair.—W. F. Arnold, June 1.

Jefferson County—This has been alfalfa week here and the crop is good. Weather has been ideal for haying but good rain is needed for pasture and corn. Wheat is heading. Corn planting nearly finished. Some fields were replanted.—Z. G. Jones, May 50.

County—Some wheat dam-high winds and dry weather.

Stevens County—Early rye and wheat are heading out fast. Weather fine but need rain for the hard surface crust. Considerable replanting of corn and Katir necessary. Pastures fine and stock getting fat fast. Milo 70 cents, eggs 12, butter fat 22.—Monroe Traver, June 1.

Dodge City Forestry Station—Summer fallow wheat is standing the moisture shortage better than other wheat. A few spots are being damaged by chinch bugs. Early feed is up nicely. Alfalfa harvest in progress and crop is good in quality and quantity.—G. D. Noel, May 31.

and quantity.—G. D. Noel, May 31.

Phillips County—Wheat is still holding out but every day of this weather is decreasing the yield. Small rain of about 1/2 inch on May 31 helped some. Corn growing very slowly and needs moisture, also less wind. First crop of alfalfa being put up.—N. E. Schneider, June 1.

Lyon County—Crops are growing fine and wheat is heading out with a good length of straw and head. First alfalfa crop was heavy. Corn is backward generally. Good prospects for hay. Good outlook for fruit except where worms stripped the trees. Stock doing well on pasture—E. R. Griffith, June 1.

Ottawa County—First rain for weeks fell

fith, June 1.

Ottawa County—First rain for weeks fell May 31. Dry weather has damaged wheat at least 50 per cent in this county. Oats are a failure. Corn shows a fair stand but growing slowly. Potatees doing well. Wheat has headed short and only the header can be used in harvesting.—W. S. Wakefield, June 1.

Wichita County—Dry, windy weather and crops need rain. Farmers have stopped listing on account of ground being so dry. Grass is as good as we have had in several years. Horses and cattle bring good prices but few sales being held Butter 20 cents, cream 24, eggs 15.—J. H. Dunlap, June 1.

Miami County—Good growing weather

Dunlap, June 1.

Miami County—Good growing weather with pelnty of moisture. Had 2 inches of rain the first of the week. Corn about all planted and what is up shows a fairly good stand. Wheat looking well and is heading out. Oats doing fine but acreage is small. Not much Kafir planted.—L. T. Spellman, June 1.

Rice County—Light rain May 30 improved wheat a little but more is needed to fill wheat and bring out oats which is not very promising now. Corn ridging in progress. Some fields have had to be replanted on account of cut worms. Other fields show good stands. Heavy cutting of alfalfa nearly all in stack.—Henry S. Wilson, June 3.

Brown County—Fine rain June 1 and it was badly needed. Corn shows probably the poorest stand the county has ever had. Spring sown clover O. K. Oats are poor. Wheat heading out but stand is thin. Pastures and hay land doing fine. Wheat \$1, potatoes \$1.50, corn 74 cents, oats 50, eggs 15.—A. C. Dannenberg, June 1.

Reno County—Corn planting was strung along for 7 weeks but is all in now. It shows a poor stand in this part of county. Weather dry for wheat and if we don't get rain soon the crop will ripen sooner than expected. Good crop of alfalfa harvested. Cattle \$6, wheat \$1, hogs \$7, corn 80 cents, butter 22, eggs 16.—D. Engelhart, May \$0.

Butler County—Had about 1/2 inch of rain May 31. Corn not all planted but shows good stand where up. alfalfa crop being harvested. Wheat and cars backward but looking well. Large Kafir acreage being put out. Fat cattle \$5 to \$8 and scarce, hogs \$7 to \$7.25, corn 70 cents, oats 60, eggs 14, butter 25.—M. A. Harper, June 1.

A. Harper, June 1.

Barber County—The windy weather the latter part of May did some damage to wheat and oats but a light rain June 1 has been a help. First crop of alfalfa harvested and stacked without getting wet. Corn looking well. Grass doing fine and stock looks well. Large acreage of Kafir being listed. Butter 20 cents, eggs 14.—G. H. Reynolds, June 1.

Marton Cannty—Wheat looks fine and is

G. H. Reynolds, June 1.

Morton County—Wheat looks fine and is jointing. Those who planted corn early have had to replant some. Large acreage of broomcorn going in. Grass is making a splendid growth and seeding more than for years. Good rain would be acceptable to loosen ground surface. All stock doing well. Many men from here will go east to harvest.—Mrs. Margaret McGee, May 26.

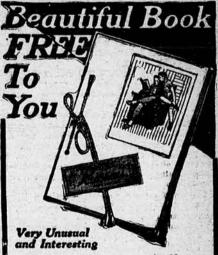
McPherson County—Last three weeks of

McPherson County—Last three weeks of dry weather has given everything a setback. Oats never looked better in spite of drouth. Not more than 50 per cent of wheat will be harvested. The rest will be taken by the weeds. Corn doing well but is backward. Some has been replanted and all will be worked by June 1. Largest crop of alfalfa ever harvested in the county. Pastures good. Large arreage of feedstuffs out.—John Ostlind, Jr., May 30.

Marion County—Had a fine shower night

Marion County—Had a fine shower night of May 31 which was badly needed. Some corn shows a poor stand on account of kard beating rains soon after planting but most of it with Kafir shows a fine stand and growing nicely. Corn all worked once and some gone over a second time. Feed all sown. Wheat heading out but is

(Continued on Page 20.) to technical elements of the first of the fi



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Vailey Farmer, Dept. C B-11, Topeka, Kan

Mer Chin Note Middle att





FOLKS

Mabel E. Graves

We want this department to be of practical use to the women who read Farmers Mail and Breeze. If you have any favorite recipe, any helpful hint, whether it concerns the family, the kitchen, the children, the house; or if you have anything to say which would be of interest to another woman, send it to the Home Department editor. Prizes for the three best suggestions received each week will be, respectively, a set of Prizes for the three best suggestions received each week will be, respectively, a set of triple-plated teaspoons in the beautiful Narcissus design, a year's subscription to the Household magazine, and a year's subscription to the Poultry Culture magazine. Household magazine, and a year's subscription to the Poultry Culture magazine.

Happiness is the best cosmetic, and enthusiasm is often better than medi-

However, that's not necessarily an argument against medicine. The man who needs medicine should take it, but it should be medicine and not a patent

The girls of Wellesley college have decided to cut out slang. There are some things easier learned than forgotten, and this is one of them.

Slang is a travesty on the English language. The more slang a girl knows the less she is able to win the respect of the kind of people she admires.

All acids and powders used in putting up fruit and vegetables are dangerous, and nothing containing them can be eaten without injury. Even alum, which some housewies like to put in their pickles is forbidden by the state board as health. of health.

Baked Omelet.

Beat the yolks of 4 eggs until very ight, add 1 cup of hot milk and 1 tablespoon flour dissolved in a little milk.
Add the beaten whites, with salt and
pepper to taste, and bake 20 minutes.
Mrs. John L. Kelly.

Frontenac, Kan.

Lettuce Salad.

Arrange a head of lettuce on a platter, or in a salad dish, cut several hardboiled eggs into little cubes and sprinkle over the lettuce, and pour over it a mayonnaise dressing. To make this dressing beat 3 eggs, add 1 cup vinegar, ½ cup sugar, 1 teaspoon mustard, 1 spoon butter and salt, but on the stove and stir ter, and salt, put on the stove and stir till it is thick. Mrs. J. W. Lane. R. 5, Mulhall, Okla.

Begin on the Moths Early. [Prize Letter.]

To destroy moths saturate a cloth 12 inches square with formaldehyde, put in the closet and keep the door closed for 12 hours. Also put a cloth in trunk or boxes where clothes are stored. The fumes will kill eggs, moths, and germs of any kind, and leave no odor in the clothing. Repeat during the summer. clothing. Repeat during the summer, and your house will be free from moths.

Mrs. M. M. Brandon.

Humboldt, Kan.

How to Have Creamy Curtains. [Prize Letter.]

If during housecleaning you have changed the color scheme of one of the rooms to a cream or tan shade don't hang those white scrim or lace curtains up again unless you wish to lessen the color effect. Instead get 5 cents worth of yellow ochre, put a part of it with a curtain in a roomy pasteboard box and shake about for a few minutes. Remove and shake out or hang on the line and let the wind toss it about. If not of the desired shade repeat the process, using more ochre. Laces treated thus, may be changed from white to a beautiful creamy tint. Mrs. C. K. Turner.

Fowler, Kan.

Ideas For Country Teachers.

Detailed outlines of a normal course for rural school teachers in nature study, elementary agriculture, sanitary science, and applied chemistry are contained in a monograph entitled "A Course of Study for the Preparation of Rural School Teachers," which has just been published by the United States Bureau of Education for free distribution. In introducing their plan for better country schools the author says: "The rural school has not the influence that it should have their number. In the mornings after the Kansas.

Gossip may so easily ruin a life; the kindest thing is never to repeat it.

This is largely because the course of study is ill adapted to rural life. The study is ill adapted to rural life. The rural child is entitled to a course of study and a course of instruction that will dignify and enrich his life and make life for him in the rural environment. should he choose to remain there, not simply tolerable, but glorious." This booklet will be sent free upon request to the United State Bureau of Education, Washington, D. C.

Sailor Emblems for Embroidery.

These emblems are designs for bits of embroidery to be put on children's sailor blouses. There are four anchor and bar designs, you will notice, of different sizes, and one design of the eagle. They may be put on the sleeve, and also on the V-shaped piece in front be-



11-11-131-SAILOR EMBLEMS

tween the points of the wide collar. tween the points of the wide collar.

And the children aren't the only ones who wear these emblems. The school girl 12 and 14 years old will be glad to have one of these designs worked on the sleeves of her navy blue blouse next winter. On wash goods the work should be done with a white mercerized thread, but on woolen goods they look thread, but on woolen goods they look well worked in colors, particularly red.
The design should be slightly padded and worked solid in a smooth satin stitch. The transfer pattern (No. 11-11-131) for the five emblems may be abteined from the Mail and Breeze Patebtained from the Mail and Breeze Pat-tern Department, Topeka, Kan., price 10 cents.

How She Got Rid of Flies.

mer that I would be rid of this pest, I proceeded to find out how it could be accomplished. I knew of course that flies breed in warm, damp places; so to begin at the beginning I decided as far as I could to prevent their breeding; and in this I solicited the co-operation of the entire family. By constructing a simple drain on the back porch, using for this purpose a few feet of pipe and a large tin funnel made by the time. a simple drain on the back porch, using for this purpose a few feet of pipe and a large tin funnel made by the tinner, no wash water or slops was thrown near the door. This of itself did away with many flies.

Most of our flies come in at the kitch-

en door, so I occasionally swept the door yard, keeping it clean and dry. Of course all the windows and doors were screened tightlyand between the kitchen and dining room there was also a screen door. I soon learned that where there is nothing to draw flies no flies will be. I used in fly poison, for while these poisons kill a great many flies most of them contain some sweetening matter which attracts the flies and increases

work was done I closed up the kitchen, and by burning a little pythrethrum powder on the hot stove the flies were soon stupefied and could be swept up

The use of a fly swatter is also a help. The ones I bought did not last long, so I made some good substantial ones by cutting a flat handle from a pine board and cutting a notch at each side, close up at one end. Then I bought some window screen-6 inches will make two—cut a piece the size I wanted my swatter, turned down all the edges and sewed with heavy thread. Then at one end I lapped both sides in to the center, laid this end against the notched end of handle and wrapped firmly with stout

I do not say that I had no flies at all, but by following this method during the summer the difference was so great compared with other years, that I felt amply repaid for my trouble.

Mrs. Gay Martin.

Eskridge, Kan.

Canning With a Fireless Cooker. [Prize Letter.]

The Woman's department of the Mail and Breeze gives us a splendid opportu-nity to receive helpful hints and to give to others, such as we have. Last sum-mer I made a successful exeperiment in canning vegetables in my fireless cooker. The peas were put in the cans with a little salt, without cooking. The cans were then filled with water, rubcans were then filled with water, rubbers and tops put on and the tops well screwed down but not quite tight. The cans were then put in the cooker pail of warm water, where they were boiled half an hour. Then the pail was put on the hot disc in the cooker and kept there for six hours, when they were taken out, the covers tightened and the work was finished. The string beans and sweet corn were managed in the same way, except that at the end of five hours they were reheated in the cooker pail, then put in the cooker on five hours they were reheated in the cooker pail, then put in the cooker on the hot disc for five hours more. In this case the rubbers were not put on the cans until the second heating for fear of injuring the rubbers with so much heat.

Mrs. B. A. Otis. much heat. Topeka, Kan.

Is This Your Neighborhood?

Four years ago we came to Kansas and settled on a farm near a small town. The country is settled by people who have inter-married for the past 40 years until almost all the families are related. After a few months' residence here we found there were to be no social pleasures for us. We had transferred our membership to the church of our choice and all of us—four in family—took our places in both Sunday school and church work. I was Sunday school and church work. I was invited to teach the young people's class and had a membership roll of 22, sixteen to thirty years of age. I exerted every effort to do justice to my class, for I loved my work and the young people. I entertained them at our home, and now after four years not one has and now, after four years, not one has returned the courtesy. Not one mem-ber of the church has called on us or made us welcome in any way. Can this be true religion? I have attended many funerals here, have sung at every one of them and frequently played the organ. If my services have been appreciated no word has ever reached me. We have

"Every Woman Her Own Dress-maker," is a fashion book which not only illustrates all the new styles, but only illustrates all the new styles, but gives plain and simple lessons and instruction on how to make the garments fit and hang like those made by the skilled dressmaker. Patterns may be had from the Pattern Department of Farmers Mail and Breeze for all the designs illustrated. Retail price of the book is 25 cents but we send it free to book is 25 cents but we send it free to any reader who encloses two 2-cent stamps to partly pay postage and cost of mailing. Address the Mail and Breeze Pattern Department, Topeka,

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Please note—in order to secure free jar this coupon must be presented to your dealer before Sept. 1st, 1913, with blank spaces properly filled out.

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5435—Ladies' Dress, 6 sizes, 32 to 42 bust. Ladies' Dress, 6 sizes, 32 to 42 bust, Transfer Pattern for Embroider 8186 Tr Walst.

-Transfer Pattern for Baby's Cap. 8228-T-Transfer Pattern for Handkerchief

Case.

4681—One-Piece Apron, 6 sizes, 2 to 12 yrs.

2935—Dressing Sack, 8 sizes, 32 to 46 bust.

4858—Giris' Dress, 5 sizes, 4 to 12 yrs.

4858—Giris' Dress, 5 sizes, 32 to 42 bust.

2862—Sack Apron, sizes 32, 36, 40, 44 bust.

2862—Sack Apron, sizes 32, 36, 40, 44 bust.

4858—Child's Underwear—walst, drawers, petticoat, 5 sizes, 2 to 10 yrs.

petticoat, 5 sizes, 2 to 10 yrs.

5505—One-Piece Walst, 3 sizes, 32 to 46 bust.

56092—Transfer Design for Braided Skirt

Front.

11-7-27—Transfer Design for Embroidered Postoffice 12-72—Transfer Design for Embroidered Postoffice 12-72—Transfer Dress 6 sizes, 32 to 42 bust. State Scarf Ends:

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5878 Three-Piece Combination, 7 sizes, 32 to 42 bust.

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6791 Middy Blouse, sizes 12, 14, 16, 18 yrs.

6791 Middy Blouse, sizes 12, 14, 16, 18 yrs.

BE SURE TO GIVE NUMBER AND 5495 Sizes, 32 to 42 bust.

Things Other Women Do

To keep the lamp wicks from smoking soak them in vinegar, then let them dry thoroughly.—Mrs. E. J. C., Colorado Springs, Colo.

Mice will not reopen a hole which has been filled with any mixture containing lye. Flour and lye mixed make a good paste for the purpose,—Mrs. John R. Angle, Courtland, Kan.

If you are troubled with ants take a large sponge, wet it, sprinkle with sugar, lay where the ants are, and when full of ants dip in boiling hot water. It will not hurt the sponge.—Mrs. T. J. Hutton, Gardner, Kan.

How many can grapes, gooseberries, and other small fruit raw? I'll tell you my way: Pick the fruit over and wash, fill jars, shake down, fill with cold wa-ter and seal. My berries kept two years and were nice.—Mrs. Rose Bryant, R. 2, Baxter Springs, Kan.

To remove match marks from paint rub the spot with a cut lemon. Then to prevent repitition of the offense apply a little vaseline and rub the spot dry with a rag. It will be difficult to strike a match on that spot thereafter.—Mary Black, Bellefont, Kan.

Women Talk Too Much.

"Women talk too much; they'd be bet-ter looking if they listened more," said Dr. Charles M. Green in a public lecture at the Harvard Medical school a few days ago. "That's why they are so nervous. They spend energy talking that should be applied to other ends. What woman needs is a daily quiet hour. Few women in the state of the needs is a daily quiet hour. Few women realize how little rest they take, and how much they need it. I do not say that they should sleep. But if they would only go away by themselves for one hour each day and lie down and relax, physically and mentally, it would be of untold benefit to their nerves."

Time-Saving Sewing Apron.

A pretty sewing apron can be made A pretty sewing apron can be made from material of any plain color. Take one width of the cloth 1 yard long. Sew on the belt at one end, with a few gathers, and at the other end turn up the cloth on the right side for about 10 inches. Featherstitch a narrow hem, featherstitch along the adge, and by putfeatherstitch along the edge, and by put-ting two rows of feather stitching up ting two rows of feather stitching up and down divide the turned-up portion into three pockets. If one wishes a de-sign may be worked in outline stitch across the front of each pocket. Such an apron is particularly useful for any woman who does fancy work. Harper, Kan. Mrs. Allen Palmer.

Harper, Kan.

If You're Soap-Making.

Soft Soap—In 2 gallons of soft water dissolve 1 can of lye. When it boils add 4 pounds of grease. Let it boil till clear, then add 2 gallons water. Mix well and set by to cool. Take out a cupful of it and add as much cold water as it will take and still be as thick and as it will take and still be as thick and

as it will take and still be as thick and ropy as you wish it. Then add water in the same proportion to the whole.

Hard Soap—To 5 gallons of soft water add 2 pounds lye, 9 pounds cracklings, ½ pound rosin and ½ pound borax. I usually let the cracklings stand in the lye and water three or four days before cooking. The rosin may be left out, since its only use is to make the soap wear longer.

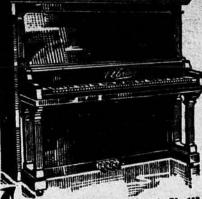
Mrs. Myra Walcher.

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We send it to you absolutely free. You pay no money until the plane is in your borne and your friends have thoroughly tested it. We say this plane is actually worth from \$56 to \$150 more than our price, judged by prices to tained by other dealers. Every day sees the popularity of this plane grow popularity of this plane grow popularity of this plane grow popularity of the plane grow popularity of the plane grow popularity of the dealer who sells it. Any bank plane and you can absolutely trust the word of the dealer who sells it. Any bank plane grow popularity, lowest prices and best planes, why not write for a catalog today? We also have many choice bargains on hand in alightly used planes from \$50 up.

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Silver Tablespoons FREF.

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Here is a chance for every housewife who reads the Mall and Breeze to secure absolutely free a set of 6 of our famous Narclesus Silver Plated Table Spoons. During the past 5 years we have given away thousands of sets of these beautiful table appoons, but never before have we been in a position to make such an attractive offer as we are now making to the women folks who read the Mail and Breeze.

Owing to our large purchases we have secured a price on these spoons which we helieve is about one-fourth the price any local dealer would ask for the same grade of goods.

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MARKET PROBABILITIES

Buyers Count On Southwestern Grass Cattle to Bring Down Prices-Slackened Hog Supplies Are Expected to Raise Hoge Up to 8-cent Levels This Month-Native Sheep a Market Factor—First Prairie Hay Sold at \$14.

[Written Specially for the Farmers Mail and Breeve.]

With 200 car loads of quarantine cat-tle received in Kansas City and St. Louis today plain and medium cattle were slightly lower and the best grades steady. In Chicago only 16,000 cattle arrived, compared with 21,000 expected and prices there were 10 cents higher. Grass cattle from the Southwest are the important market factor at present, and Grass cattle from the Southwest are the important market factor at present, and buyers are counting on that supply in the next few weeks being large enough to make a material cut in prices. The top price for steers in Chicago today was \$9.40, in Kansas City \$9.20, and \$9 at the other markets.

The cattle market early last week made new high records for the year and then weakened. There was no net decline on the best offerings and some of the plainer kinds were quoted lower. Prices are so high that the narrow fluctuations in so high that the narrow fluctuations in prices have been immaterial in net returns to the shippers. The week however emphasized the fact that killers are getting restless under continued high prices, and they will seize the first opportunity offered to lower prices. Texas, with its grass and cake fat steers is the convenience of the c only section that can afford any relief, and that only on a certain class of cattle. May uncovered a shortage in the Chicago supply, and disclosed a further shortage in St. Louis and Kansas City. The total decrease at the five western markets for decrease at the live western markets for the month was about 150,000. Traders take the view that cattle in Chicago territory have been marketed unusually close, and that from now on that market will show an alarming decrease. River markets at the same time will show nearer normal supplies than in the first five months this year. Texas grassers are moving now, but with Oklahoma and Kansas deep in grass, and cattle started thin and late, there will be nothing big moved from those sections until late August. The Northwest promises only August. The Northwest promises only meager supplies. Indian reservations will supply about the usual numbers but other localities will be short. Owing to scarcity more Montanas will go to the Pacific coast than ever before. If the corn belt can feed cotton seed products and corn, with grass to advantage this summer, the shortage in prime bullocks will be less startling, but present indications are that fed cattle, and especially those that come in the prime class will be very scarce. For last week \$9.50 was those that come in the prime class win be very scarce. For last week \$9.50 was the top in Chicago, \$9.30 in Kansas City, \$9.15 in Omaha and St. Louis, and \$9 in St. Joseph. Such prices were never paid before at this season of the year, and are about \$3 per 100 pounds higher than a year ago.

Butcher Cattle Unchanged.

The general price position for butcher cattle was about the same last week as in the preceding week, though greenish kinds were lower, and rather hard to sell. Killers are trying to ease prices off to a lower level, but so far have met with little success. The fed grades have been too scarce for any price change, and yet too high to make a further advance feasible. Heifers have sold up to \$8.60, yearlings up to \$9.30 and cows up to \$7.75. Top yeals are quoted at \$8.50 to \$9 and bulls up to \$7.

Stockers Very Scarce.

Scarcity of thin cattle, especially of the better grades, is very pronounced, and though prices did not change last week, there was plenty of demand to care for all the offerings. While there is some demand for the common kinds, country-men prefer something with quality. Good young stock cows and heifers are wanted. Never before were there so few thin cattle offered at this season of the year, or such a small variety. With prospects good for an immense feed crop this, year prices will continue high all summer.

Hogs Have Rallied Again.

Lighter supplies of hogs turned prices up 10 cents today, making the market 15 to 20 cents above the lowest levels last week. The top price and bulk in Chicago today was \$7.70 and \$7.50 to \$7.65; in St. Louis \$7.67½, and \$7.50 to \$7.65; in Kansas City and St. Jospeh \$7.65, and \$7.40 to \$7.60; in Omaha \$7.60, and \$7.35 to \$7.55. Packers have been bearish and consequently last week prices fell to the lowest levels since March 20, and were about 50 to \$0 cents under the high point in sumac, \$1.75@2.00; broomcorn, dwarf, \$1.65 to 20 cents above the lowest levels

The decline broke the general May. monotony of the market and added new life to the trading. Saturday the market rallied vigorously and prices were carried up 5 to 10 cents above the lowest point of the week. With the decline came the usual bearish firecast, but those best informed claim that the big movement was the last spasm in marketing and that June prices will revert to the 8-cent level. Chicago showed a decrease in hogs last month, the first month this year. Omaha and St. Joseph held about even, and Kansas City and St. Louis increased their decrease matemonotony of the market and added new St. Louis increased their decrease materially. Packers are buying hogs at other markets and shipping them to Kansas City and St. Louis.

Native Sheep a New Factor.

Native Sheep a New Factor.

The movement of native sheep which has been expected for some time past began last week. In numbers it was small but with that supply a definite factor, buyers have it to count on. Spring lambs are coming more freely but as yet that supply is small. The Texas run is diminishing, and though there is still quite a supply to come from that state the rush movement is over. All told the receipts last week kept within moderate bounds, and prices moved up 25 to 50 cents. Spring lambs sold at \$9 to \$10 and were the price leaders. No fed lambs were offered after Tuesday, and that line has been closed out. Feeders of the corn has been closed out. Feeders of the corn belt are beginning to make inquiries about stockers and feeders. No trades have been concluded, and won't be for some time. According to the early forecast the supply this fall will be small. The Northwest for two years past has li-quidated freely and the Southwest, though fairly prosperous in the sheep line are fattening more for market than formerly. At the same time good grass will place a larger per cent of the offerings in killers' hands than usual. Late August will mark the beginning of the stocker and feeder trade. According to general reports stocks of wool are unusually small. Dealers are receiving new wool from Utah, Nevada, and Wyoming. In Oregon prices range from 57 to 59 cents, on scoured basis, Wyoming 56 to 59 cents. In Wyoming a sale of 100,000 pounds was reported at 15½ cents, and 45,000 pounds at 15%c, 100,000 pounds at 16%c, and 70,000 pounds at 16% cents. tening more for market than formerly. At

The Movement of Livestock.

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

	Cattle	Hogs	Sneep
Kansas City	21,150	63,300	30,800
Chicago	46,600	141,000	74,800
Omaha		76,900	20,600
St. Louis	12,100	50,000	12,000
St. Joseph	5,250	45,500	7,500
Total	94,830	376,700	145,700
Preceding week	88,830	344,500	150,500
Year ago	124,435	369,710	175,200

The following table shows receipts of cattle, hogs and sheep at the five western markets Monday, June 3:

Sheep
13,600
0.000
6,700
3,000
1,700
15,000
15,900
53,700
֡

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

Cattle Hogs Sheep
Per 100 lbs, 1912 1911 1912 1911 1912 1911
Chicago... \$9,40 \$6,40 \$7,70 \$6,15 \$7,75 \$5,35 9.25 6.35 7.67 1/2 6.00 City

The Horse and Mule Market.

The trading in horses and mules continues about the same as for some time past. Demand for harvest animals for Texas and Oklahoma increased the outlet Texas and Oklahoma increased the outlet moderately, and Kansas will buy some in the next 10 days. The East is buying heavy drafters yet and there was considerable demand for army horses and mules. Prices continue steady, except some dealers quote a \$5 decline for the common kinds. Demand is expected to fall off in June, and be very dull in July and August.

@2; standard, \$1.60@1.80; cowpeas, New Era, \$1.90@2.10; Whippoorwill, \$2.10@2.25; clover seed, \$12@20; timothy, \$10@15; alfalfa, \$10@14; flaxseed, \$1.90@2; seed corn, bulk, 95c@\$1.40 a bushel; Kafir corn, No. 3 white, \$1.28@1.32 per cwt.

Crops and Farm Work

(Continued from Page 17.)

spotted. First cowpeas planted in this community put out by several farmers. Autos getting numerous among farmers.— H. R. Heyland, June 1.

-Wheat is headen air crop. Consider-Earliest blowed Leavenworth County—Wheat is headed out and will make a fair crop. Considerable corn had to be replanted. Barliest plantings fared best and have been plowed twice. Good shower each week makes crops look good and farmers happy. Pastures doing fine and stock looks well.—Geo. S. Marshall, June 1.

CKLAHOMA.

Tillman County—Harvest has begun here. Wheat was hurt by dry weather and oats are short. Good crop of alfalfa put up. Sixty cars were shipped from Frederick in one week. Corn and cotton late.—D. B. Munro.

Major County—Wheat in head and looks fine. Oats short and poor. Corn late and small but shows a good stand. Much replanting of Kafir and broomcorn necessary. Fruit outlook fine. Rain is needed.—W. H. Rucker, May 25.

H. Rucker, May 25.

Roger Mills County—Weather very dry and have had high winds. Wheat crop badly damaged and on some hard land south of here is burnt up. Cotton shows a poor stand. Alfalfa crop harvested. Good deal of feed being planted.—Hugh Sober, May 25.

Payne County—Weather dry and have had high winds which have blown out some cotton and Kafir. Wheat and oats heading short. Corn is doing well and some is knee high. Good prospects for all fruit except apples. Eggs 11 cents, butter fat 22.—A. M. Leith, June 1.

Kay County—Wheat looks good but hall

Kay County—Wheat looks good but hall did about 15 to 20 per cent damage to it. Corn is making good growth but needs working. Ground is beginning to work well again. Kafir planting being pushed. Considerable damage done Peckham by wind storms.—Sherman Jacobs, June 1.

Woods County—Wheat is heading and is looking fairly well on flats but is needing rain. Corn growing slowly on account of high wind and lack of rain. Present prospects indicate no more than half a crop of barley and oats. Alfalfa fine and ready to harvest.—W. C. Douglass, May 29.

of barley and oats. Alfalfa fine and ready to harvest.—W. C. Douglass, May 29.

Dewey County—Heavy rains earlier in season caused a good deal of replanting of spring crops. Corn about all worked once and some gone over twice. Kafir and broomcorn about all out. Small acreage of broomcorn planted. Very little cotton planted. Grass is good but will need rain soon.—Wm. Liston, May 31.

Pushmataha County—No rain to speak of since May 14. Ground is in good shape to work and kill weeds which was badly needed. Cotton and corn show good stands and doing well. Fruit outlook is excellent and wild fruit is abundant. Cotton 10 to 11 cents, peanuts \$1.25 per bushel, eggs 15, butter 25.—K. D. Olin, May 31.

Custer County—Last half of May was fine for haying and cultivating crops. Had a light rain May 31 but wheat and oats need some more to fill out well. Large acreages of millet and cane being put out. Some corn ground will be planted to Kafir and milo as corn failed to germinate. Pastures and prairie look fine.—E. E. Baker, June 1.

June 1.

Tulsa County—Most crops look good but oats and corn are late. Rain falls every few days which is in great contrast to last three years. Farmers working hard to keep up with season. Cotton shows poor stand. Some must be replanted and some will be plowed up and put into other crops. Pastures and meadows doing well.—W. H. Booth, May 31.

Booth, May 31.

Kingfisher County—No rain for three weeks and high winds for 10 or 12 days have cut boom prospects for small grains 50 per cent. Rain soon would make big improvement. Some wheat in milk and some just heading. First crop of alfalfa put up under best of conditions. Cherries are ripe and other fruit shows good prospects. Gardens and pastures drying up.—H. A. Reynolds, June 1.

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Soil Calling for a New Deal

(Continued from Page 3.)

try, or a combination of two or more of these classes. A farmer is not going to succeed with any kind of livestock he does not like. As for the kind of farmer who does not like any kind of livestock, well, he would better turn his attention

to some other kind of occupation.

The importance of good breeding was insisted upon, yet none of the speakers urged any farmer of average means, or in less than average means, to discard the second of the second the stock now on hand and to buy pure-bred stock to take its place. The speak-ers, however, did urge the importance, the necessity, really, for satisfactory results, of using purebred sires of good in-dividuality and of good ancestry. The gire is more than half the herd or flock.

Kansas is unsurpassed as a natural horse country, and this is perhaps true of western Kansas especially. Farmers were not urged to go into the "horse business," though that is a good business, but they were urged to use good ness, but they were urged to use good heavy mares for their farm work and to breed them to high-class, purebred stal-lions, of one of the draft breeds, and to aim at raising horses that will weigh 1,500 pounds or more. There is a steady market for such horses at good prices.

Kansas is third as a beef cattle state, though many of our cattle raised for beef are not what they should be. Instead of having fewer cattle upon our farms than there were formerly upon the ranges there should be more and there must be more if the country is to continue to be supplied with beef in the markets at prices the people can afford to pay. If you decide to "go in" for beef cattle, that is, if you like beef cattle and do not care for dairy cattle, bend all your energies to the production of cattle of the beef type. The kind of beef cattle, Shorthorns, Herefords, Angus or Galloways, should depend somewhat upon conditions under which they are raised, but chiefly upon the liking of Kansas is third as a beef cattle state, are raised, but chiefly upon the liking of the individual farmer.

Dairying was given much attention, and the interest in this splendid type of farming was evident everywhere. It was good also to see the cream cans at practically every station. The college men believe thoroughly in the dairy business, but it was not urged that every farmer make dairying a prominent feature of his farming operations, whether or no. On the other hand the farmer who has a strong dislike to milking cows, who will not be kind to them, and who will not take the great pains so essential to suctake the great pains so essential to suc-cessful dairying, would better let them alone. The average cow, producing about 125 pounds of butter fat per year, or about 3,000 pounds of milk, is scarcely a profitable cow. She just about pays for her keep. In order to build up a herd of really profitable milk cows no great outlay of money is required. The cows now on the farm should, under or-dinary circumstances, he used as the dinary circumstances, be used as the basis of such a herd. It should be known basis of such a herd. It should be known through periodical weighing and testing just how good each cow is. Such weighing and testing require little time and labor. A good dairy herd simply cannot be built up without the use of a good sire. He should be purebred, but he should not have a pedigree merely. He should be from ancestors which were large milk producers. Holsteins were large milk producers. Holsteins were recommended as being perhaps better adapted to central and western Kansas conditions than any of the other common dairy breeds. A poor dairy sire always costs too much, no matter how low the price, while it is difficult to pay too much for the really superior sire.

As an instance of good and bad policy one of the charts of a common cow yielding about 3,000 pounds of milk per year. I, though a mere man, was immensely in breeding an example was given on She was bred to a purebred Jersey bull. The resulting heifer, owned near Manhattan, produced 6,000 pounds of milk. The cow was one year later bred to a Shorthorn bull, and produced another heifer calf. This heifer gave practically the same amount of milk and of butter fat as the mother. This cow and her Shorthorn grade calf produced butter fat worth about \$34 per year, or perhaps enough to pay their way. Think of milking a cow like that twice a day 365 days in the year and getting nothing for all the labor! Of course, the calf is worth something and the manure and skimmilk are valuable, but that is a pitifully small, though very common show-The butter fat from the Jersey

grade sold for \$70, not a great showing, but a quite satisfactory average if main-tained throughout a herd and nearly twice as good a showing as the average Kansas cow makes, but nowhere near the limit within the reach of the average farmer. If the farmer feels he cannot afford the outlay required to purchase a first-class dairy bull, the only kind that should be bought, several neighbors should join in the purchase of such a bull.

Fully half the time of the lectures was given up to silage and the silo, not merely for the farmer who milks cows, but for the farmer who is interested in other branches of livestock farming. As a matter of fact, more silage is probably being fed at the present time in Kansa to beef cattle than to dairy cattle. The college men were careful to guard against two common misapprehensions regarding silage. One of these is that silage is only valuable, or criefly valuable, for dairy cows, and the other mis-apprehension is that only corn is suit-able to put into the silo. Silage is valuable for nearly all kinds of livestock, and the silo is the very best investment the farmer can make, and this applies to practically every farmer. The farmer who admits that the silo is a good thing —for the other fellow, but that his circumstances are "different," is almost certainly mistaken.

The farmers of western Kansas espe cially were urged to build a silo, or if not able now to "build" a silo, to "dig" one; not only as a means of holding the very best food obtainable for their stock, but also as a means of preserving varieties of crops that do well under western Kansas conditions, and further, in order to store up in good years, food for use in the lean crop years that are inevitable in that part of the state, for silage can be kept two, three, four or five years five years.

Chief emphasis, in the western part of the state, was laid upon the superior value of Kafir, sorghum and milo for silage purposes. It is an error to sup-pose that only common corn can be used for silage, or even that it is greatly su-perior to other kinds of crops for this purpose.

Two experiments were made at the college with a small herd of cows in feeding silage made of corn and of sorghum. In one experiment the sorg-hum gave slightly better results than the corn. In the other experiment the corn gave somewhat better results. It seems probable therefore that sorghum is practically as good, pound for pound, as corn, and in the western half of the state, certain other crops such as those named, will produce a greater tonnage every year than common or Indian corn. This indeed is true over nearly the whole of Kansas. The reason many of us have supposed there is nothing to be compared with corn for silage purposes is that nearly all the literature about silage and the silo has come from states further east where corn is used almost entirely for silage and where it is doubtless th best crop for this purpose. It may well be imagined that the farmers in the further western part of the state were mightily interested in this kind of talk, and their questions frequently were only cut short by the departure of the train.

Farmers Mail and Breeze has said a great deal about the silo during the last three years, and will continue to say it. A man said to me some months ago, "I should think your readers would get tired of all this silo talk you are giving them." Well, may be some of our readers are tired of it, but we give them fair warning that they are never to hear the last of it.

Miss Brown and Mrs. Simmons gave interested. These two useful, well trained women are devoting their entire time to the extension work of the agricultural college. The "lectures" to the women were rather delightfully familiar talks about foods, their care, how to cook them, the relative value of different foods, sanitation, with a cordial invita-tion to swat the fly and to make war upon all harmful bacteria. The women were urged to see to it that more of the family food, meat, fruit and vegetables, are grown upon the farm. Perhaps the most novel suggestions were made regarding the canning of meats. It was claimed that it is quite as feasible to can meats of almost any kind as it is to can fruits and vegetables. Samples

of meat, beef, pork and rabbit canned

t the college were exhibited. Mr. H. L. Kent of the extension department of the college talked to the boys and girls about dairying and live-stock raising. When the possibilities of dairying, especially, were told to his au-diences he was heard with the most intelligent eagerness.

The trip was made under the supervision of J. H. Miller, head of the extension department of the Agricultural col-lege. Prof. Miller is a genius at organization and is, moreover, a very ef-fective speaker. He and his department are rendering the state very loyal and effective service.

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

SEEDS AND NURSERIES.

COWPEAS for sale. D. J. Yoder, Haven, Kan.

COWPEAS—Crowder, \$2.00. E. N. Miller, Hutchinson, Kan.

LARGE Whippoorwill cowpeas, hand picked, \$2.10 per bushel. Henry Elkins, Aline, Okla.

FOR SALE—White African cane seed, tested 98 per cent. E. F. Johnson, Man-hattan, Kan., R. R. 2.

FOR SALE—White Plume celery plants. per 1,000 until Sept. 1. M. C. Buteyn, St. De, Mo. R. F. D. No. 2.

WRITE for prices on high grade western grown nursery stock. Salesmen wanted. Brown's Nurseries, Hutchinson, Kan.

HARDY BERMUDA roots, \$1 per bran sack, 6 sacks \$5 f. o. b. Santa Fe, Rock Island or Frisco, M. E. Shockley, North Enid, Okla.

COWPEAS for sale. I have some first class Whippoorwill cowpeas. Well cleaned and in nice shape. Price \$3.00 per bushel. H. S. Davis, Amorita, Okla.

ALFALFA SEED—Offer extra quality alfalfa seed, non-irrigated, \$3.00 bu., delivered any station in state Kan. Sack free, Sample sent on request. L. A. Jordan, Winena, Kan.

FOR SALE.

MOTOR BUGGY—Rare bargain, J. E. Frampton, Lamar, Mo.

FOR SALE—Twenty-five thousand hedge osts, H. W. Porth, Winfield, Kan.

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

AUTOMOBILE for sale. 5 passenger, top and headlights, solid tire, shaft drive, nearly mew. A bargain at \$750.00. Emmett Taylor, Lawrence, Kan., Rt. 7.

FOR SALE—16 room boarding and rooming house for half what it is worth. Selling on account of sickness. Allie M. Perry, 926 South D St., Arkansas City, Kan.

FOR SALE—Butcher shop complete, in famous Payette valley, Payette, Idaho. Cold storage machine, horses and wagons, slaughter house, with lease on shop and slaughter house good for 3 years. Cheap rent. If you want to buy write us for full particulars. Independent Meat Co., Payette, Idaho.

FOR SALE OR EXCHANGE.

FOR SALE OR TRADE—My equity in 69 ore farm 4 miles from Valley Falls, Kan. (y equity is about \$3,000. Would like a mall farm clear. W. H. Allen, Rock Creek,

FOR SALE OR EXCHANGE—3 a. nearly, 2-6 room, porches, good wells, cistern, pumps, outbuildings, fenced, lawn, shade, fruit, 10 min. by car 8th and Kansas avenue, Topeka, Kan. By owners, Jno. Walter Mills, Gravette, Ark. H. N. N. Mills, Topeka, Kan.

FOR EXCHANGE.

FOR EXCHANGE—Hardware, harness, furniture, undertaking stock and buildings, by Owner, Box 186, Renfrow, Oklahoma,

WANT TRADE—Combination scholarship in a reliable Kansas City business college for a full set of carpenter's tools. Fred M. Fleming, Cherryvale, Kan.

TO EXCHANGE—5 passenger Model F. Buick auto, Top, lamps, windshield, tools, good tires. All in good condition. Want real estate or other property. Geo. W. Peterson, Leonardville, Kan.

HORSES, CATTLE, HOGS, SHEEP.

REGISTERED yearling Hereford bull. Sixty dollars buys him. F. R. Machin, Russell, Kan

FOR SALE—Two registered Holstein bulls; one yearling, one four years old. Ira Hawkins, Jetmore, Kan.

RED POLLS—27 year breeder of best farmers' cattle that live. Bulls for sale. D. F. Van Buskirk, Blue Mound, Kan.

SCOTCH COLLIE pups, good color and good workers. Address A. W. Toews, Inman, Kan.

FOR SALE—Fox hound pups. Send 4c in stamps for prices. Rash Bros., Centreville,

DOGS AT HALF PRICE—Snow white Esquimo pupples \$2.50 and \$5.00. Pointer pupples by Fishels Frank. Heavy weight English bulls and one collie brood bitch. Tested breeding stock of the above breeds reasonable. Brockways Kennels, Baldwin,

LANDS.

HOMESTEADS—Investigate. J. A. Thompson, Niagara, Kan.

HOMESTEADS — Special information. Riverside Kolona, Harrison, Ark.

FARM SALE—160 a. or 320, near town, cheap; must sell; write for particulars. Fred Scott, Lovell, Okla,

FOR SALE—423 acres improved land in Pratt Co. In the great wheat belt. Levi J. Tobias, Rt. 1, Box 42A, Iuka, Kan. SELL YOUR PROPERTY quickly for cash, No matter where located. Particulars free. Real Estate Salesman Co., Dept. 5, Lincoln, Neb.

FOR SALE—At Manhattan, Kan.; four room cottage; two blocks from college cam-pus; nice location for college students. George Wheeler, Tyro, Kan.

FOR SALE—2,600 acre ranch, good improvements, at \$20 per acre, part alfalfa and meadow, in Las Animas county, Colo. Good outside range. Write me. Gus Jeannin, Barela, Las Animas Co., Colo.

FOR SALE—Quarter section medium lack rice land, mid-coast country, Texas, guarantee this land to pay 8 per cent on he investment, For description address r. L. Giddings, Burns, Kan.

40 ACRE poultry farm for sale in Saline Co., 5 miles of good market, near church and school, land lays well and nicely improved. Price \$2,600 if taken at once. Address Owner, care of Mail and Breeze.

FOR SALE—\$1,000.00 cash will handle this 200 a. grain and stock farm in Pike Co., Mo., 3½ mi. R. R. town, 1½ mi. to gravel road to 3 good towns; will take some trade. G. R. Miller, Bowling Green, Mo.

DELAWARE FARMS — Money making farms throughout the entire state, \$15 an acre up; live-stock, implements and crops often included. We offer best bargains, and pay buyer's railroad fare. Catalog free. Ford & Reis, Inc., Dept. 103, Wilmington, Del.

5 ACRE garden and fruit farm with greenhouse; only proposition of its kind in town of 5,500 population; \$1,800,00 cash required; price \$2,500,00, takes tools, horse, crops, poultry, everything. I am going into contracting business. Write Box 604, Mena, Ark.

GET YOUR CANADIAN HOME from the Canadian Pacific. Why farm on high-priced, worn out lands? Go to the rich virgin soil of Western Canada. Finest irrigated or non-irrigated lands from \$10 to \$30 an acre. Write for booklets on Manitoba, Saskatchewan and Alberta. G. W. Thornton, Colonization Commissioner, Canadian Pacific Railway, 112 West Adams street, Chicago.

STOCK FARMS and small ranch tracts. We will sell from the famous Spur Ranch (Texas) tracts from one section upward, ideal cattle region, with enough fine farming land to raise winter feed. Are also offering straight farming lands beside the combination with grazing. For full particulars, address Chas. A. Jones, Manager for S. M. Swenson & Sons, Spur, Dickens county, Texas.

OREGON and Southern Washington. Write before investing or coming west, so you can learn the facts about the Oregon country, its attractive climate and its agricultural and other opportunities. Official information gathered and vouched for by over 150 commercial organizations and by Oregon State Immigration Commissioner will be sent free on request; all inquiries answered in painstaking detail. For full information write to Room 637, Portland Commercial Club, Portland, Oregon.

LANDS.

\$5 DOWN, \$5 monthly, buys 40 acres near town, southern Missouri. Price \$160.00. Other good bargains. Box 372, Carthage, Missouri.

FARMS FOR SALE.

ADVERTISE YOUR PROPERTY in Kansas Weekly Capital for quick and sure results. 100,000 circulation guaranteed—among best farmers in Kansas. Advertising rate only 25c per line of seven words. Address Kansas Weekly Capital, Adv. Dept., Topeka, Kan.

FARM WANTED.

WILL BUY good farm. Well situated Owners only. Give description and price. Addr. Coens, Box 754, Chicago.

FARMS WANTED. We have direct buy-ers. Don't pay commission. Write describ-ing property, naming lowest price. We help buyers locate desirable property free. Amer-ican Investment Association, 28 Palace Bidg., Minneapolis, Minn.

MALE HELP WANTED.

WANTED—An experienced thresher man as separator tender. Good wages to right party. Geo. Rogge, Paxico, Kan.

GOVERNMENT wants employes. Write for list of positions open. Franklin Insti-tute, Dep't C 55, Rochester, N. Y.

WANTED—Reliable man to sell nursery stock. We have a splendid position to offer. Write today for particulars. James Truitt & Sons, Nurserymen, Chanute, Kan.

WANTED—Post office clerks, city and rural carriers. Thousands needed. Examinations soon. Trial examination free. Write today. Ozment, 38, St. Louis.

SALESMEN wanted in Kansas, Oklahoma, Missouri and Arkansas, Work full or part time, as you prefer. Pay weekly. Outfit free. The Lawrence Nurseries, Lawrence,

WANTED—Active man in every lodge. To join this Society. Carry its sick, accident, death benefits. Get friends to join. Spare time. \$50 to \$150 a month. Write for particulars. Box BQ-293, Covington, Ky.

YOU ARE WANTED for government job. \$80.00 month. Send postal for list of post-tions open. Franklin Institute, Dep't C 55, Rochester, N. Y.

500 MEN 20 to 40 years old wanted at once for electric railway motormen and conductors; \$60 to \$100 a month; no experience necessary; fine opportunity; no strike; write immediately for application blank. Address F, care of Mail and Breeze.

MEN WANTED for firemen and brakemen on raliroads in Topeka vicinity; \$80 to \$100 monthly; promotion, engineer-conductor; experience unnecessary; no strike; age 18-55. Raliroad employing headquarters; over 5,000 men sent to positions on 1,000 official calls. State age. Address Raliway Association. Dept. I, 227 Monroe street, Brooklyn, N. Y.

LOCAL REPRESENTATIVE WANTED. Splendid income assured right man to act as our representative after learning our business thoroughly by mail. Former experience unnecessary. All we require is honesty, ablity, ambition and willingness to learn a lucrative business. No soliciting or traveling. This is an exceptional opportunity for a man in your section to get into a big paying business without capital and become independent for life. Write at once for full particulars. Address E. R. Marden, Pres. The National Co-Operative Real Estate Company, L157 Marden Building, Washington, D. C.

FEMALE HELP WANTED.

WOMEN AND GIRLS wanted to sell our up-to-date line of beautiful Post Cards; very latest styles; enormous demand; our agents make \$2 to \$6 a day in spare time; no talking or peddling necessary; our special copyrighted selling plan and a big pac age of beautiful samples for only 2 cts. to pay mailing expense if you mean business. Butler Post Card Co., 65 Capital Block, Topeka

SITUATION WANTED.

SITUATION WANTED—A position as housekeeper by middle aged woman. Apply Box 344, Blue Rapids, Kan.

HELP WANTED.

WANTED—Men and women; for government positions, \$80.00 month. Annual vacations, Short hours, No "layoffs." Common education sufficient, Over 12,000 appointments coming, Influence unnecessary, Farmers eligible, Send postal immediately for free list of positions open. Franklin Institute, Dep't C 55, Rochester, N. Y.

AGENTS WANTED.

WANTED—Men in every town in Mo., Kan., Ill., Neb., Okla., Ark., to take orders for nursery stock. Outfit free. Cash weekly. National Nurseries, Lawrence, Kansas.

WANTED—Five general agents in the state of Oklahoma, Mail application giving detailed information concerning past record with one bank reference, Circulation Department, Farmers Mail and Breeze, Topeka, Kansas.

WANTED.

WANT TO BUY good second hand belt hay baler. P. W. Good, Wilsey, Kan.

WANTED—To buy hedge posts for cash n carlots. Box 202, Winfield, Kan.

WANTED-Policies issued in 1910 or 1911 y the Hail Insurance Company of McPherson, Kan. Will pay cash for your interest, Write at once to W. S. Wells, Sterling, Kan.

PATENTS.

STEWART BROWN, Patent Attorney, Write for particulars, Address Wichita, Kan.

SEND FOR FREE BOOKLET, All About Patents and Their Cost, Shepherd & Camp-bell, patent attorneys, 500 C Victor Bidg., Washington, D. C.

PATENTS THAT PAY. \$427,530 made by clients. 2 books—"What and How to Invent—Proof of Fortunes in Patents" and 112-p. Guide free! E. Vrooman, Pat. Atty., 885 F St., Wash., D. C.

FOR RENT.

FOR RENT—Completely equipped 7 thousand bu. elevator. Would sell. Address Pres. Farmers' Co-Op. Assn., Ray, Kan.

TYPEWRITERS.

OLIVER VISIBLE TYPEWRITER for sale cheap. Perfect condition and does splendid writing, Could 'send on trial. Charles B. Rickart, Route 5, Rosedale, Kan.

AUCTION SCHOOL.

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

PRINTING.

WEDDING invitations and announcements printed or engraved. The Mail Printing House, 123 W. 8th St., Topeka, Kan.

MISCELLANEOUS.

HARNESS—Our harness is correctly made and prices right. Write for catalogue. Ed Klein, Lawrence, Kan.

LIGHTNING destroys homes. Why not protect them with our copper cable? We sell direct to customers. Kinzle & Mellenbruch, Hiawatha, Kan.

15 REPAIRS 25 CENTS—Kitchen utensils, hot water bags. Mendets. No rivet, solder nor cement. Guarantee satisfaction. Southwest Sales Co., Kansas City, Mo.

MUSIC LOVERS, Look and listen, Cinderella, the greatest musical "hit" of the age, sent to any address for only 15 cents. Write today. W. Ellis, Gifford, Ark.

IF YOU WANT to send a Kansas paper to your friends, subscribe for the Kansas Weekly Capital—a whole year for only 25 cents. All the Kansas and Topeka news of the Daily Capital bolled down. The best weekly newspaper in the U. S. for the money. Address Kansas Weekly Capital, Dept. 14, Topeka, Kan.

Farmers Meddling in Politics

HOW ABOUT IT.

It used to be the idea, and is yet to It used to be the idea, and is yet to a considerable extent, that a farmer shouldn't meddle with politics except on election day when the bosses have everything framed up for him. Yet no one has ever questioned that it isn't perfectly all right for the farmer to pay taxes, cheerfully and often, and settle the bill for a large part of the whole-business of misrule and bad management.

Before elections the question is not infrequently asked among farmers, who are we going to send to congress, or The political slate makers build from the ground up, just like other work. The political slate makers build from the farmer leaders to serve as governors, as members of congress, etc. Nowhere has the farmer fewer real friends political slate makers build from the farmer leaders to serve as governors, as members of congress, etc. Nowhere has the farmer fewer real friends political slate makers build from the farmer leaders to serve as governors, as members of congress, etc. Nowhere has the farmer fewer real friends political slate makers build from the ground up, just like other work. The ground u

We are not going to advocate that farmers raise more politics and less corn. But why not apply the obvious remedy, make something or somebody take account of the farmer politically? It is within the power of every man on the farm to apply this remedy and en-courage his neighbor to do the same thing. Such acts as the initiative, ref-erendum and recall will greatly multiply that power, but they are not here yet and in all probability we shall have to fight hard and long to get them.

The political slate makers build from

ernor turn him down-hard. If your senators are choosing the men you shall have to represent you in the legislature "bust" the slate. In fact, every time you find a frame-up put your boot through it.

Another thing: Why not try a few more farmers in

Why not use our retired or retiring farmers in this way? They ought to make ideal officials in the township, in the county and in the legislature. In this fashion you would soon develop farmer leaders to serve as governors, as members of congress, etc. Nowhere has

it possible nowadays for the people to participate at all in a choice of their public servants.

kick the scheme every chance you get and look for more chances. If the state bosses pick out the wrong man for goving his efficiency in the public affairs of the community.

We must see that the farmer has more representation. He constitutes about one-third of the nation's voters, numerically, but in politics he is the fifth wheel of the wagon because he is not making himself felt politically.

If we are to continue a progressive na-tion the farmers must meddle in politics. They must do their share in ruling shaping its policies from the township on up into every branch of government, and the time to begin is now.

A Reason for Liking It.

Mr. Editor-I like Farmers Mail and Breeze and think it is the best farm paper published. A. E. Anderson.

Bressie, Okla., May 10, 1912.

WHAT BREEDERS ARE DOING

FRANK HOWARD, Manager Livestock Department.

FIELDMEN.

A. B. Hunter, Kansas and Oklahoma, 410
Fast Williams street, Wichita, Kan.
J. W. Johnson, Beloit, Kan., Kansas and
Nebraska.
C. H. Walker, Kansas, Missouri and Nebraska, 1015 Central, Kansas City, Mo.
Geo. W. Berry, E. Kansas and southern
Missouri, Capper Bidg., Topeka, Kan.
Grant Gaines, Iowa, 334 Chamber of Commerce Bidg., Omaha, Neb.
G. E. Hall, Nebraska, 334 Chamber of
Commerce Bidg., Omaha, Neb.

PUREBRED STOCK SALES.

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

Berkshire Hogs.

Aug. 27-J. T. Bayer & Sons, Yates Center, Kan.

Poland China Hogs.

Aug. 7—John B. Lawson, Clarinda, Ia. Aug. 8—J. W. Pfander & Sons, Clarinda, Ia. Aug. 9—L. R. McLarnon, and J. O. James, Braddyville, Iowa. Aug. 28—A. B. Campbell, Geary, Okla. Oct. 9—Herman Gronniger & Sons, Bendena, Kan.

Oct. 9—Herman Gronniger & Sons, Bentensk Kan.
Oct. 15—H. C. Graner, Lancaster, Kan.
Oct. 16—H. B. Walter, Efflingham, Kan.
Oct. 18—W. E. Long, Meriden, Kan.
Oct. 19—C. L. Branic, Hiawatha, Kan.
Oct. 22—Jno. W. Noll, Winchester, Kan.
Oct. 23—W. E. Epley, Diller, Neb.
Oct. 24—L. E. Kline, Zeandale, Kan.
Oct. 26—J. J. Hartman, Elmo, Kan.
Oct. 26—R. B. Davis, Hlawatha, Kan.
Nov. 1—Walter Hildwein, Fairview, Kan.
Nov. 2—J. H. Hamilton & Son, Guide Rock,
Neb.

Nov. 2—J. H. Hamilton & Son, Neb.
Neb.
Nov. 13—Herman Gronniger & Sons, Bendena, Kan.
Jan. 30—C. W. Jones, Solomon, Kan.
Jan. 15—L. E. Holmes, Bloomington, Neb.

Duroc-Jersey Hogs.

Duroc-Jersey Hogs.

Aug. 31—J. R. Blackshere, Elmdale, Kan. Sept. 4—W. R. Huston, Americus, Kan. Oct. 19—H. B. Miner, le Rock, Neb. Oct. 22—P. H. Pagett, Beloit, Kan. Oct. 26—E. M. Myers, Burr Oak, Kan. Oct. 29—W. W. Bales & Sons, Manhattan, Kan. Oct. 30—Thompson Bros., Garrison, Kan. Jan. 22—Thompson Bros., Garrison, Kan. Feb. 5—Samuelson Bros., Cleburne, Kan. Feb. 5—Samuelson Bros., Blaine, Kan. Feb. 6—Samuelson Bros., Blaine, Kan. Feb. 7—A. T. Cross, Guide Rock, Neb.

O. I. C. Swine.

Oct. 24-R. W. Gage, Garnett, Kan.

Kansas and Oklahoma.

BY A. B. HUNTER.

J. D. Spangler, Sharon, Kan., is claiming October 8 as his annual pig sale date. "Jake" reports that everything is progressing nicely at the farm and that his patrons may expect a better offering this fall than ever. New blood has ben brought into his herd so that his patrons can be supplied with the right kind of blood lines to cross with what they have bought in his previous gales. Watch this paper for particulars later on. eales.

A Good Percheron Sale.

A Good Percheron Sale.

The fourteenth annual sale of Percherons was held at Whitewater Falls Stock Farm, Towanda, Kan., Wednesday, May 29. Buyers from several states were present. Dr. J. T. Axtell of Newton, Kan., consigned to this sale 17 head, dispersing his bay herd. It was a splendid day and the crowd was taken care of in the usual Robison way, a perfect method of conveying, feeding and entertaining every visitor present. The top of the sale was \$1,000 on Jour, a 3-year-old stallion, one of the Robison consignment, going to L. B. Robinett, Franklin, Neb. The top for mares was \$605, paid by Chas. Johnson, Hartford, Kan., for the 5-year-old mare Kazlah, another of the Robison consignment. The prices ranged very even throughout. The 28 mares, several of them only fillies, made an average of \$403.92. Robison's 17 head averaged \$402.35 and Dr. Axtell's averaged \$406.36. Dr. Axtell's five stallions, mostly yearlings and short 2-year-olds, averaged \$304 while Robison's six head made an average of \$630. The following is a list of the sales:

ROBISON'S CONSIGNMENT.

MARES. Andrews
Culture, 2 years, sire Lamy, Harry
Nelson, Miama, Tex...
Atala, 2 years, sire Robert, J. J.
Zimmerman, Sterling, Kan
Deese, 2 years, sire Casino, Harry
Nelson 300.00 415.00 Zimmerana.

Deese, 2 years, sire Casano,
Nelson
Mattie, 7 years, sire Marshall, Chas.
Johnson
Cornette, 2 years, sire Casino, Harry
Wilson
2 years, sire Lamy, Julius 400.00 365.00 395.00 Wilson
Margot, 2 years, sire Lamy, Julius
Stucky, Mound Ridge, Kan....
Rosette, 2 years, sire Bonhomme, 280.00 Rosette, 2 years, sire Bonhomme, Richard Hanson Kaziah, 5 years, sire Bolage, Chas. 355.00 605.00 415.00

Heroine, 2 years, sire Lamy, C. C. Andrews Miss Sumner, 12 years, sire Beau-mont, Chas. Johnson

STALLIONS.

Casino Model, 2 years, sire Casino, L. B. Robinette, Franklin, Neb.. Lord Chesterfield, 1 year, sire Glacis, Henry Prather, Newton, Kan... Harry 2 years, sire Babylon, J. H. Harry, 2 years, sire Day, Ellis Duke, 2 years, sire Toulon, Lee Duke, 2 years, sire Toulon, Lee Bros. Imp. Jour, 3 years, L. B. Robinette. 1,000.00 Artileur 2d, 3 years, J. H. Ellis.... 775.00

DR. AXTELL'S CONSIGNMENT.

MARES.

Casarine, 7 years, sire Casino. Wm. Tomb, Wichita, Kan. June Bell, 7 years, sire Black Diamond, E. J. DeLong, Emporia, Kan.

Dorothy, 8 years, sire Keota Scoggan, E. J. DeLong.

Murtle, 19 years, sire Balzac. Chas. Johnson, Hartford, Kan.

Luana, 6 years, sire Drafty Model, Chas. Johnson
Faustina, 4 years, sire Girton Victor, C. C. Andrews
Rhoda, 6 years, sire Iena, Wm. Fox, Sterling, Kan.

Cassie, 3 years, sire Paragon, Joseph King, Potwin, Kan.

Queen Bee, 1 year, sire Paragon, Geo.

M. Roberts, Milan, Mo.

Jetie, 1 year, sire Frondo, J. H.
Ellis, Muenster, Tex.

Pigeon, 1 year, sire Paragon, G. M.

Roberts MARES. 445.00 540.00 300.00

STALLIONS.

Diavolo, 1 year, sire Paragon, George
M. Roberts
Don Juan, 1 year, sire Paragon, Jack
Cox, Wichita, Kan.
Loreszo, 1 year, sire Paragon, J. B.
Duerson, Chanute, Kan.
McAdams, 2 years, sire Champagne,
George T. Wolf Sons, Blue Mound,
Kan.
Roder, 1 year, sire Paragon, J. Roder, 1 year, sire

Kansas and Nebraska.

BY J. W. JOHNSON

L. M. Noffsinger, Osborne, Kan., is offering for sale five Shorthorn bulls. These bulls are of serviceable age and are nice roans and reds in color. If you need a bull write Mr. Noffsinger.

Low Prices for Quick Sales.

A. L. Albright, Waterville, Kan., has some extra fine spring yearling Poland China boars. Also some of last fall farrow that are right. They will be priced right to move them quick.

Good Poland China Pigs.

F. R. Barrett, Cadams, Neb., is a breeder of Poland Chinas that has always bred the best. His farm is located northeast of Superior, about ten miles. He has some good fall boars for sale. He has a nice crop of

A Good Young Herd.

A Good Young Herd.

An enterprising young Duroc-Jersey breeder, that we visited last week, was C. C. Thomas of Webber, Kan. While he only has a few they are as good as they can be. His herd boar is C. C.'s Model Bonney, by old Bonney K., out of Model Girl 4th, one of the best brood sows in the West. We were pleased with Mr. Thomas's kind of Durocs and he will be heard from later.

Farmer and Auctioneer.

Col. N. S. Hoyt, Mankato, Kan., is a Jewell county farmer as well as livestock auctioneer. His knowledge of farming and stock raising fits him for the auction business, He owns a nice farm about two miles out and we visited him there again last week. Col. Hoyt is a jolly good fellow and has a host of friends. He is a successful auctioneer and is successful because

he is always on the job. He had the big-sest and most successful season last year he has ever had and many of the best pure-bred sales of last season are to Col. Hoyt's credit, both in northern Kansas and Nebraska. Write or phone Col. Hoyt for open dates. His advertisement appears regularly in the auctioneers' column in Farmers Mail and Breeze,

Best Berkshire Blood.

C. W. Elyea, Jewell City, Kan., is starting his advertisement. Mr. Elyea is a breeder of Berkshires and has been in the business since 1831. In his advertisement he is offering, for sale, some choice fall gilts and yearling sows, either bred or open. Most of the sows and gilts, he is offering, were sired by Kansas Longfellow 2d. Also most of his crop of spring pigs are by this boar, with some by Robinhood Lee, by Blackwood. Most of his foundation stock traces to Baron Lee 6th. Other noted sires and dams are represented. At the Beloit fine stock show last season Mr. Elyea made a big exhibit with flattering results. He will show there again this season and probably at other stock shows. His herd is known as the Jewell county herd and his farm is located about six mites northeast of Jewell City. Mr. Elyea is also interested in Percheron horses. If you are in the market for a few good gilts, of last fall farrow, or some yearling sows, write Mr. Elyea at once.

Kansas, Missouri and Iowa.

BY C. H. WALKER.

Dooley's big, spotted Polands are giving excellent satisfaction. He writes that orders are coming so fast he can hardly fill them. If you want something choice, in the line he has to offer, write him per advertisement at Etterville, Mo.

For the very best in Double Standard Polled Durhams write C. J. Woods, at Chiles, Kan. He is offering now a few choice bulls ready for service, sired by the champion, Roan Hero. These are extra choice and are priced to sell.

T. J. Blake, Hiawatha, Kan., is offering a few choice young Shorthorn bulls for sale, at prices that warrant buying. This herd is one of the best small herds in the state and is headed by the great son of Fair Goods, True Goods. Write Mr. Blake your wants.

No bigger and no better big type Polands are bred and raised than are to be found in the Robinson herd at Maryville, Mo. This herd raises them big, as big as they grow, and they combine the great size with quality. Look up the advertisement and write F. P. Robinson your wants. He has the goods and can supply you.

For Jersey cattle, from the only register of merit herd in Kansas, write R. J. Linscott, Holton, Kan. This herd is one of the leaders of the state, if not the West, for practical Jerseys. Young stock of the best families or matured cows, heavy milkers and great producers, can be found in this herd in abundance. Write him your wants.

Neef's O. I. C.'s are the kind that grow big, the prolific kind and the kind that will go into other herds and make good. He is offering now summer gilts, bred, September pigs of either sex and is booking orders for spring pigs at prices that are bargains. Get in touch with him per advertisement in this issue.

Good yearling Hampshire sows and ma-tured matrons, bred for August and Sep-

tember litters, are being offered at bargain prices by J. R. Lawson, Ravenwood, Mo. Mr. Lawson, considering quality and blood lines, is offering his stock at prices that warrant buying. Look up his offer in this issue and write him.

For choice Berkshires of the best breeding and individual merit, get in touch with O. L. Steanson, Troy, Kan. Mr. Steanson is one of the state's reliable breeders and is offering now, pigs of March and April farrow, at prices that are attractive. Only the best shipped on order and everything guaranteed.

Big Hogs Worth the Money,

Big Hogs Worth the Money.

One of the leading big type Poland China breeders of the West is Clarence Dean of Weston, Mo. He breeds and raises the kind that weigh from 800 to 1,000 pounds at maturity. He is now offering from his large herd a few choice boars of serviceable age and fall pigs of either sex. Dean's Mastodon Polands are all immunized by the double treatment and are safe. This great herd is headed by Mastodon Price, Columbia. Wonder and Gritter's Longfellow 3d.n Everything is sold under a strong guarantee and sold worth the money.

Kansas and Missouri

GEO. W. BERRY.

W. T. Hutchison's Duroes.

W. T. Hutchison's Duroes.

Among the progressive breeders of DuroesJersey swine none have achieved more genuine success than W. T. Hutchison of
Cleveland, Mo., who has owned many
famous boars and sows of this breed, and
whose herd has been represented in the
leading fairs in late years. The writer enjoyed the pleasure of a visit recently with
Mr. Hutchison at his well improved farm
which is located in Cass county, in an exceedingly fertile region and surrounded by
a prosperous farming community, Mr.
Hutchison is the proprietor of a well
equipped swine breeding plant. The herd
is in flourishing condition, the crop of spring
pigs unusually large and promising. The
iltters are large and even and excellent in
quality. They are the get of the two herd
boars, Drexel Pride and Queen's Wonder.
Drexel Pride is widely known as the sire
that has been used by Mr. Hutchison with
success, and whose get have been preminent winners in the shows. Queen's Wonder is an outstanding individual possessing

Farmers Mail and Breeze Pays Advertisers.

Farmers Mail and Breeze, Topeka, Kan.
I have spent about \$400 a year for advertising in newspapers, and your paper brings me lots of results.
HUBERT J. HALL.
Real Estate Dealer.
Waldron, Ark., May 2, 1912.

Farmers Mail and Breeze, Topeka, Kan.
Please stop my ad for this year. I can
say that I am well pleased with
the
results I have got from the Mail and
Breeze.
L. R. WILLEY
Importer and Breeder of Percheron,
Belgian and Shire Horses,
Emporia, Kan., May 12, 1912.

Every week for years Farmers Mall and Breeze has printed voluntary letters from its advertisers and different letters are printed every week.

OIL - OIL - OIL

OID-OID-OID
WHOLESALE PRICE TO CONSUMERS—Combining best quality with low price. NO WATER IN MY KEROSENE OR GASOLINE.
XXX 46 gravity water white kerosene. \$5.50 for 52 gal. bbl. XX 42 gravity kerosene (the kind usually sold \$4.50 for 52 gal. bbl. \$7.50 for 52 gal. bbl.
1 case graphite axie grease (2 doz. 3 pound pairs) 4.00 for 52 gal. bbl. 48 gravity prime white stove distillate
cover complete—a great convenience in every nome: Extra heavy pure crude oil, steamed and settled, (black oil) good lubricart just the thing for greasing tools\$3.50 for 52 gal. bbl.
killing lice and curing mange. One application will do more to
dip made (it destroys the nits)
C. R. STANIARD, BOX 21, 2011



great scale, uncommon smoothness and quality, exceedingly heavy bone and the shortest and stoutest of pasterns. He is one of the very choice boars of the breed. He is a fall yearling in age, and his first crop of pigs evidence that he is a sire of great value with a brilliant future. The breeding herd includes the great foundation sow, Red Princess by King to Be, of S. E. Morton's breeding; Chapin's Beauty 2d, by Model Chief Again; Willetta, by King of Cols. II; Belle's Pride, by College Chief, a great show and breeding boar; Betsey 2d,

Bergner & Sons' Coach Horses



HEAD

Do you want to know more about the Coach Horses **German Coach Horses**

are the best general purpose horse for the farmer. They have size, beauty, action, endurance and intelligence and mature early. They stand gracefully both hardships of usage and climate. Many a farmer does not know what a great farm horse the coach horse really is. Let us tell you more about him and you will want him. We are offering young stallions and fillies, also mares in foal to the imported Oldenburg Coach Stallion Mephistoles 421. Call on or write, J. C. Bergner & Sons, "Waldock Ranche," Pratt, Kan

The Best imported Horses One thousand each. Home - bred registered draft stallions—\$250 to \$650 at my stable doors. A. LATIMER WILSON, CRESTON, IOWA.

For Sale—Brood Mares and Colts Exceptional Roadsters. Fergus McGregor mare, Lynda, (2:28¹4) and four of her colts. Alice, by Jackdaw, foaled June 10, 1905. Josephine, by Jackdaw, foaled May 23, 1908. Deocy, Stallion Colt, by Little Corporal (2:18¹4) foaled April 23, 1910. Bay Filly, sired by Happy Treasurer, (2:28¹4) foaled April 27, 1912. All of these horses in fine condition, and all but the last colt broken to drive single or double. If interested, write Chas, L. Mitchell, 110 E. 8th St., Topeka, Kan.

Belgian and Percheron Stallions and Mares

Imported and Home-Bred. For Sale at Attractive Prices.

Blue Valley Stock Farm Blue Mounds

Brown Swiss Calves For Sale. E. Bour

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COL. HOMER BOLES, Randolph, Kan.

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Manhattan, Kan. Write or wire for dates.

Col. S. B. Young, Glasco, Kan. Livestock Auctioneer.

SAM W. KIDD, Live Stock Auctionee Kansas City, Mo. "A rising star," Col. F. M. Woods, 1903.

JOHN D. SNYDER HUTCHINSON, KAN. Pedigreed Live Stock a Specialty.

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COL. RAY PAGE Livestock Auctioneer. Write for Dates.

FRANK J. ZAUN

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Oklahoma Auction School

Col. O. R. Lilley, President.

Best in World. CATALOGUE FREE. Term Opens August 5, 1912. Address, GUTHRIE, OKL



Col. Oscar H. Boatman Irving, Kansas Livestock Auctioneer

Graduate American Auction School Write for Dates

by the noted show boar and sire, Wonder Chief; Beulah Wonder, by Vaile's Wonder; and Defender Lady, sired by the famous Defender. Mr. Hutchison is advertising an offering of special attraction in boars and young pigs, sired by his herd boars and from his best sows.

lowa

GRANT GAINES.

Some Great Duroc-Jerseys.

Some Great Duroc-Jerseys.

The men who breed Duroc-Jersey hogs will be interested to know that W. M. Sells, Indianola, Iowa, is this year better fitted to give bigger values and more of them to his customers than any time no his career as breeder. This is saying things pretty strong for Mr. Sells has been one of the leading Duroc breeders of the state of Iowa for a good many years from his herd has come some of the most noted boars of the breed and likewise his sows have been the kind that made good. As is generally known Mr. Sells has in his herd the record sow of the breed, H. A.'s Queen. This sow is a marve as a producer, With exception of her first litter she has never been mated to any other boar than Crimson Wonder Again whose record as a prize winning sire stands beyond approach. Mr. Sells has other goods own in his herd that are great producers and he has the pigs to prove it. There are three fall boars out of H. A.'s Queen are three fall boars out of H. A.'s Queen are three fall boars out of H. A.'s Queen are three fall boars out of H. A.'s Queen are three fall boars out of H. A.'s Queen are three fall boars out of H. A.'s Queen are three fall boars out of H. A.'s Queen are three fall boars out of H. A.'s Queen are three fall boars out of H. A.'s Queen are three fall boars out of H. A.'s Queen are three fall boars out of H. A.'s Queen are three fall boars out of H. A.'s Queen are three fall boars out of H. A.'s Queen are three fall boars out of M. A. Three of these are the "show me" kind and are worth every dollar is takes to buy them. There is a yearling boar by C. W. A. that is a full brother to the champion of faho, 1911. He is smooth and good size and looks like he would make good most anywhere. Another yearling by Golden Model 2d out of Proud Ruby 2d that has the bone and stretch for a big one, and will please anyone wanting a boar with size and quality. Valley Maid Again by C. W. A. and out of A. Valley Chief sow has a fine ilt by Q. W. A. Three for show honors and we predict they will make someo

Editorial News Notes.

On page 8 appears the ad of the Sandwich Mfg. Company, makers of the Sandwith Solid Steel Belt and Motor Presses. They are standard hay presses. None more popular with the farmers of the country. This press will make money for the farmer who has hay. Of course the Sandwich Company makes other farm machinery also, such as corn shellers, grain elevators, feed mills, hay loaders, rakes etc. Write for free catalog to Sandwich Mfg. Company, 153 Main St., Sandwich, III.

We have just received a copy of a book called "Hints for Housewives." It is filled with household facts and helps that will prove useful to every woman on the farm. It tells how Old Dutch Cleanser scrubs, polishes, brightens everything about the home and makes things look like new. As this little bok is absolutely free we take this opportunity of telling our subscribers about it as we know many will appreciate the many things it contains. It covers points on the home and the dairy and gives practical ways of doing things better in the kitchen. By writing the Cudahy Packing Co., Chicago, you can get a copy free. It is certainly worth reading.

Your Auto Tires.

Your Auto Tires.

Has the tire problem—that most vexatious of all automobile difficulties—at last been solved? Ever since the auto came into general use, some of the most ingenious minds of the country have been working on this tire question, for the most part without much success, but we rode the other day in a car equipped with the Dahl punctureless tire—an elastic inner cushion which fits inside the outer casing and does away with the use of inner tubes and air, and we would not have guessed that it wasn't an air filled tube. Users of them are most enthusiastic, claiming that they not only save all punctures and blowouts but that they increase the life of the outer casing as well. It is a thing every automobile owner ought to look into.

Blizzard Ensilage Cutter a Great Success.

The Jos. Dick Manufacturing Company have now been engaged in the manufacture of ensilage cutters for 40 years, and during this nearly a half-century they have grown to be one of the leaders in this field of manufacture. The Jos. Dick Manufacturing Company have very properly called their machine the "Blizzard," because it is particularly effective at blowing the ensilage into the highest silos. The improved wind elevator carries fodder any height and any direction with less power than is usually required. The self feeding table saves the operator work and time, and the knives are adjustable while running at any speed. Blizzard Ensilage Cutter a Great Success

ABERDEEN-ANGUS.

RIDGE PRAIRIE ABERDEEN ANGUS.
Rutger Heatherson 3d 118104, a choicely
bred Heatherbloom, in service. The best
families represented. A few choice cows,
bred, and open heifers for sale. Prices right, isfaction guaranteed. W. G. DENTON, DENTON, KANSAS.

Sutton Farm Angus

For sale, our entire crop of 1911 spring buls, individually or in carloads; great, well grown, lusty fellows, sired by the best of herd bulls. Bulls from this herd sire winning steers in Chicago, Denver, Fort Worth and Kansas City shows annually. Also 20 head imported and Canadian bred Shropshire sheep, and selections from a large and high class herd of Berkshire hogs. SUTTON FARMS, LAWRENCE, KANSAS.

GALLOWAYS.

G. E. CLARK.

CAPITAL VIEW GALLOWAYS.

12 Miles West of Topeka.

A choice lot of buils 10 to 20 months old, by Imported and American bred sires. They will place you.

Address CAPITAL VIEW RANCH, Silver Lake, Kan

Fort Larned Herd 40 REGISTERED BULLS. 20 GALLOWAYS and 20 RED POLLS. 10 to 20 months old. Priced to sell. E. E. FRIZELL, LARNED, KANSAS

RED POLLED CATTLE.

Foster's Red Polls A few choice bulls for sale. Also a few cows and heifers priced reasonable. C. E. Foster R. R. 4 Eldorado Kan. RED POLLED BULLS

and heifers by Actor 7781 and Launfal 13221. Cows large plenty quality, represent best milking families. Also larg type POLAND CHINAS. Pigs. Write or come. CHAS. MORRISON & SON, Phillipsberg, Kan.

POLLED DURHAMS.

Polled Durham Bulls

Six well bred young bulls and a limited umber of cows and heifers for sale. C. M. HOWARD, HAMMOND, KANSAS.

Woods Polled **Durhams**

Roan Hero Bulls and Heifers for Sale.
Three bulls from 12 to 22 months old, a
Mina, a Brawith Bud and a Necklace, two
roans and a white of top quality and ready
for service. Also a few choice yearling
and two-year-old heifers, These will be priced
right for quick sale. Come and see or write
C. J. WOODS, CHILES, KANSAS.

SHORTHORNS.

Milk and Beef Combination. Hornless Shorthorn Sheep. Bourbon Red Turkeys. J. H. WALKER, LATHROP, MO.

SHORTHORN CATTLE
POLAND CHINA SWINE and CLEVELAND
BAY HORSES. All stock pedigreed. Prices reasonable. Thos. B. Murphy & Sons, Corbin, Ks.

Valley View Shorthorn Cattle

25 cows and heifers bred to Orange Major 264704, 10 bulls of different ages sired by Major of Valley View 266325. Prices right. Breeding and individuals right. Address ADAM H. ANDREW, GIRARD, KANSAS.

True Goods 337574 by Fair Goods, dam Rosie 1)th by Standard Bearer, second dam Imp. Rosie 17th by Scottish Victor, heads my herd of carefully selected Scotch cows. Young stock for sale. T. J. BLAKE, HIAWATHA, KANSAS.

SCOTCH AND SCOTCH TOPS.

FOUR BULLS 10 TO 18 MONTHS OLD— ALSO SOME GOOD COWS AND HEIFERS. S. B. AMCOATS, CLAY CENTER, KAN.

SHORTHORNS

Lookabaugh's Shorthorns



Violet Search by Search-light at head of herd. Breed-ing stock, both sex. Prize winners and descendants of prize winners. Write your wants.

H. C. Lookabaugh,

Pearl Herd of Shorthorns

I have a select bunch of young bulls from six to 20 months old, well bred, well grown and the making of good useful animals. They are both reds and roans. Can ship via C. R. I. & P., A. T. & S. F., U. P., and Mo. Pac, Address

C. W. TAYLOR R. R. No. 2, Enterprise, Kan. HEREFORDS

MATHEWS HEREFORDS Big, strong yearling bulls, also extra good cows and heifers, strong in Anxiety 4th blood. Special prices on car lots. Write today, FRED MATHEWS & SONS, Kinsley, Kan.

HEREFORD BULLS

Carload coming 2-year-old and 75 strong yearlings, the best bunch I ever had to sell. Prices right.

SAML. DRYBREAD, Elk City, Kan.

Modern Herefords

ROBT. H. HAZLETT

Hazford Place Eldorado, Kansas

DAIRY CATTLE.

Registered Holstein, five years old; fine animal. F. C. WAITE, Route No. 2, LOGAN, KANSAS.

Dutch Belted and Holstein male and female calves for sale from exceptionally good milkers. Springdale Stock Ranch, Concordia, Kan.

HOLSTEINS OCHOICE BULL CALVES. H. B. COWLES, TOPEKA, KANSAS.

LINSCOTT ONLY REGISTER OF MERIT HERD IN KANSAS, offers at moderate prices a few heifers, open and bred; a few tested cows; bulls of serviceable age out of tested cows. R. J. LINSCOTT, HOLTON, KANSAS

Holstein Sir Aagie Bawn DeKol No. 67687 H. F. H. B. 30 mos. old, very vig-2A. R. O. Dams in 1909 G. Sire 95 A. R. L. Dams 22 A.R.O. sons. E.H.H.Emery, Wetmore, Kan.

Choice Jersey Bulls I am offering a few young bulls, sons of Oxford's Masterpiece, a son of Oxford Lad; Oxford's Brigadier, a son of Gamboge Knight; Merry Maiden's Golden Lad, a son of Merry Maiden's 3d Son; and Eurybla's Exile. I have but a few of these calves that are ready for service, Will sell them reasonably while they last. Write for prices and particulars.

and particulars. INDEPENDENCE, KANSAS. W. N. BANKS, INDEPENDENCE, KANSAS.

40 cows and heifers, fresh inside 30 to 40 days. Several cows, heavy milkers, fresh now. Also bulls from 1 mo, to 15 mos. old. IRA ROMIG, STA. B, TOPEKA, KANSAS.

BERKSHIRES.

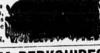
FOR SALE—50 BERKSHIRES OF QUALITY

40 March and April pigs by Second Masterpiece, 30 at \$15 each or \$25 per pair. Balance show prospects, \$150 per five; something fancy. A few gilts and two October boars at \$25 each. Two October boars, by Second Masterpiece, and one by B. D.'s Centerpiece, fancy herd headers, at \$50 each, Yearling boars at from \$25 to \$50 each, also a few gilts bred to farrow in May and June at reasonable prices.

J. T. BAYER & SONS. Vetes Center. at reasonable prices. J. T. BAYER & SONS, Yates Center, Kansas.

Jewell County Berkshires Fall gilts and yearling open. C. W. ELYEA, JEWELL CITY, KANS.

WAITE'S BERKSHIRES. Choice young Boars and Gilts, also tried sows. Most famous Robinhood Blood. We guarantee satisfaction. Call or write LEON A. WAITE, WINFIELD, KAN.



WILDWOOD FARM BERKSHIRES

Headed by
SIR MASTERPIECE 2D AND WILDWOOD
REVELATION 125617.
Pigs, March and April farrow, priced very
reasonably. Get in your order early for
choice pairs and trios. Choice glits will be
bred to Sir Mastrine. Only the best shipped
on order and all representations guaranteed. O. L. STEANSON, TROY, KANSAS.

Sutton Farm Berkshires SOWS



A good lot of sows and gilts bred to the best boars for summer litters. Boars and sows at farmers' prices. Choice last fall pigs by Artful Masterpiece, and a splendid crop of spring pigs that will please you.

Sutton Farms, Lawrence Kansas

MEADOW BROOK BERKSHIRES AT BURLINGTON, KANS.

200 bred sows, all bred to Premier Longfellow, King's 2d Masterpiece, True Type, King's 4th Masterpiece, King's X Masterpiece (the greatest yearling we ever King's 4th Masterpiece, King's X Masterpiece sows and twenty extra nice males, raised), Forrest Count, etc. One hundred open sows and twenty extra nice males. Two extra good herd boars for sale (every one deep in breeding and rich in blood). E. D. KING, BURLINGTON, KANSAS.

ODE MELLE

Aside from the fact that this company bolds so many basic patents, one of the reasons why the Blizzard continues to lead the field is that every machine is carefully constructed and thorughly tested under a speed 50 per cent greater than service will ever demand of it. The machine is fully guaranteed to give absolute satisfaction. But the Jos, Dick Manufacturing Company have not been satisfied with leading the field in manufacture. They have set in to educate the few remaining farmers opposed to ensilage, to the fact that ensilage is valuable to the dairyman and stock breeder. To accomplish this end they have edited and published an interesting and attractive book entitled, "Why Silage Pays," They are distributing this booklet free of charge to anyone writing for it to their factory at Canton, O. This booklet explains why so many farmers have found silage of indisputable advantage, and wherein those who oppose silage are in error. It tells of the food value of silage, why it is economical and beneficial—and concludes with letters from practical farmers and scientific men who have found that silage pays. See the Dick ad on page 2. Write for booklet to Joseph Dick Mfg. Company, 1456 Tuscarawas St., Canton, O.

"Get Rid of the Worms Now."

"Get Rid of the Worms Now."

This is the best time of the year to get rid of stemach and intestinal worms in farm animals. Stock having been kept closely housed up during the winter months and their digestive powers taxed by eating dry fed and roughage and exercising less than they do during the summer, are usually troubled badly with worms in the spring. You will be astonished to learn how many of your animals are afflicted with these pests. Horses, cattle and particularly sheep and hogs all suffer from this cause and few, if any, farms are free from these destructive parasites. You have probably noticed that some of your animals show signs of poor condition—unthrifty health, etc. They may not eat as they should; they may not put on flesh as they ought to. They may have dull eyes, listless appearance and cough. If any of these signs appear, you may depend upon it, that worms are causing the trouble. As soon as stock is turned out to pasture the eggs of these pests are dropped in the feed lot and later, fasten themselves on the tops of the grass blades. Here they are taken into the animal's stomach and multiply by the millions. If neglected, they will affect the health of all your stock and keep every animal on your place from doing as well as it should. Many kinds of home remedies have been tried in the past, such as gasoline, tobacco, lye, etc., but besides being bothersome and disagreeable to handle, the results are doubtful and treatment dangerous. The acknowledged standard remedy for this trouble is "Sal-Vet," a medicated sait prepared by The S. R. Feil Co., Mfg. Chemists of Cleveland, O., which is producing prenomenal results. Farmers everywhere are astounded with its wonderful merit, it is so dependable and efficient that its makers offer to ship enough to last any farmer's stock 60 days, before paying for it. Every pound of "Sal Vet"

HAMPSHIRES.

Registered Hampshire Hogs and priced to sell.
W. C. STENZEL, ELMDALE, KANSAS

Pure Bred Hampshires Inspect our herd or write for prices. Our motto is to please. ALVIN LONG, Lyons, Kansas.



15 Yearlings and a few bred for August and September litters to Corrector 8913. Special prices it taken at once. Also Indian Runner Duck Eggs for sale. J. R. Lawson, Ravenwood, Mo.

Try The White Belts Cloverdale Farm offers a number of extra nice Hamp-shire boars for sale.

T.W. Lavelock, Princeton, Kas.



WRITE J. F. PRICE, Medora, Kans. For prices on Pedigreed HAMPSHIRE HOGS. s, C. B. Leghorn eggs.

O. I. C. SWINE.

O. I. C. HERD BOARS OR BRED SOWS
By O. K. Winner, winner of 12 firsts, 4
champion and 4 grand champion ribbons in
20 shows, and Chicksaw Model, second prize
winner at Lincoln. Sows bred to these boars
and Keep On Winner. Priced for quick sale.
H. L. BODE, FRIEND, NEBRASKA.

O. I. Cs.—the right kind. Bred right and fed right. Choice pigs for sale. W. P. DOOLITTLE, WOODLAND, MO.

EDGEWOOD O. I. C's, boars and bred and oper no kin. HENRY MURR, Tonganoxie, Kansas

O.I.C. Pigs \$10.00 EACH. Harry Meriden, Kan.

Cular telling all about it. R. W. Gage, Garnett, Kan.

O.L.C.Swine Best of breeding. Stock for sale of both sexes.

Satisfaction guaranteed. F. C. GOOKIN, RUSSELL, KANSAS.

STAR HERD O. I. C's. Breeding stock of various ages, either sex. Best breeding represented in this herd. Write your wants. ANDREW KOSAR, GLASCO, KANSAS.

Neef's O. I. C's.

Am offering summer gilts, bred, Sept. and Nov. pigs of either sex, at farmer's prices. Am also booking orders for spring pigs for May and June delivery. Can furnish pairs and trios not akin. Send for catalog and prices. Also have a registered Scotch collie female at a bargain if taken soon.

RIVERSIDE FARM,

John H. Neef, Boonville. Missouri. THE BIG KIND

is put up under the personal supervision of Mr. Sidney R. Feil, president of the company, a graduate chemist and formerly employed as assistant to Dr. Nathan Rosewater, Ohio state chemist. The company has an advertisement on page 23 of this paper in which they offer to send any farmer or stockman enough "Sal Vet" to feed all his stock 60 days without a cent in advance. Read it and send in the coupon for a supply, then pay for it, if satisfactory, Mention this paper when you write.

Centerville, Ia., Wins Out Over All Competi-

Centerville, Ia., Wins Out Over All Competitors.

Our readers will doubtless be interested in the success of Centerville, Ia., in retaining the factory of the Hercules Mfg. Co., makers of the famous Hercules Stump Pullers. From the most modest possible beginning, this firm has rapidly grown to be the largest of its kind in the world. It was quite natural, therefore, that they found it urgently necessary to build a new, modern factory in order to keep up with the demand for their stump pullers. After this step was decided on, a location was the next problem. The citizens of Centerville, realizing what this great industry means to the town, railied to the support of the company, and in two hours raiked the necessary funds, secured a satisfactory site and assured the officers of the Hercules Mfg. Company that their best future interests were right in Cenetrville where they started and where they had grown so rapidly. The signal victory of centerville shows what loyal citizens can do. But it goes beyond that and proves the absolute soundness of the Hercules Mfg. Co. The home folks are close to this concern and they know the wonderful field for the sale of Hercules Stump Pullers. They know that nothing equals it for rapidly, safely, effectively clearing land. They know what Hercules machines have done—how they clear an acre of stump land a day—how they pull any size stump in from three to five minutes. They know, too, how confident the manufacturers are of the efficiency of the Hercules Stump Puller because it is absolutely guaranteed for three years against breakage from any cause, flaw or no flaw. Knowing all these things, it is no wonder that the citizens of Centerville joined hands in quickly locating the factory on three trunk lines of that city for the Hercules Mfg. Company, 28 17th St., Centerville, Ia. Their fine catalog is well worth sending for and reading carefully. Send for it now—read it evenings. There is no better nor more profitable way to invest a penny postal and a few minutes time.

The Best and Cheapest Spraying Mixture.

Many orchardists and fruit growers waste a great deal of time and money each year experimenting with different spraying mixtures in the hope that they will finally hit upon just the one that can be used freely without injury to buds and foliage and at the same time insure a heavy crop yield of sound, perfect fruit. With so many prepared spraying mixtures on the market, each loudly claiming to be the "best" it is a rather difficult matter for the average fruit grower to select the one which is best adapted for his particular needs. Many such mixtures, especially those which contain a considerable amount of paris green, really do more harm than good because, while they unquestionably kill the insect pests, they also sear and blight the buds and leaves. No such injurious effects as these are possible when a spraying mixture made of one can of Merry War Powdered Lye to 15 gallons of water is used. Many of the most successful and practical fruit growers declare this to be the ideal spraying mixture. It means instantaneous death to every form of insect pest, cannot injure the buds or foliage no matter how freely it may be used and has an additional advantage in that the drippings around the roots of the trees enrich the soil. Used frequently during the winter and early spring months, this solution will prevent and destroy San Jose scale. This mixture is equally effective for fruit trees or for garden vegetables, grape vines, etc. If the solution is made a little stronger, in the proportion of one can of Merry War Powdered Lye to about 10 or 12 gallons of water, it makes a most effective exterminator of borers. For this purpose it should be applied plentifully around the mouths of the burrows with a brush, so that it will trickle down into the burrows. Merry War Powdered Lye is manufactured by the E. Meyers Lye Company, Dept. 10, of St. Louis, who have just issued a most interesting booklet teling of the many practical uses for Merry War Lye on the farm and in the home. A copy The Best and Cheapest Spraying Mixture

The Man Who Delivers the Mail,

[Written for Farmers Mail and Breeze.] There's a man in this land whom you're all glad to meet,
Tho' he visits your homes every day.
He brings the late news from the populous street,

night,
Tho' he hurries the whole long day through.
He pauses at noon for a cold, frozen bite,
While you, perhaps, dine on beef stew.
In all kinds of weather he's out on the job,
No matter what perils assail.
His heart may be breaking, you'll ne'er hear a sob,

From the man who delivers your mail. Here's a tear for his sorrows, a smile for his

joys,
He surely deserves the glad hand.
Tho' one of the humblest of Uncle Sam's boys,
Still there's something about him that's

still there's sometimes grand.

When his last trip is finished and he is called higher.

Having bidden farewell to this vale.

Saint Peter will say, "Here's a seat in the state.

For the man who delivered the mail."

—L. G. Walberg. Upper Sandusky, O.

MULE-FOOTED HOGS

Mule Foot Hogs Bred sows and pigs in pairs.
ZENE G. HADLEY, WILMINGTON, OHIO

TAMWORTHS.

TAMWORTH HOGS Have always shown the purple ribbons, had more satisfaction than any breeder, showman, or salesman, in the state. HOWARD PENDLETON, YUKON, OKLA.

DUROC-JERSEYS.

CRIMSON WONDER AGAIN BOARS.

1 yearling dam by W. L. A.'s Choice Goods, a herd header and show prospect. Several early fall boars, 3 full brothers to Crimson Wonder 3d. Booking orders for pigs by C. W. A. and other boars.

L. R. VAN NICE, RUSSELL, IOWA.

BEAVER VALLEY HERD DUROCS.

Boars and gilts sired by Grand Master
Col. 11 94903 (Grand Champion and sire of
winners at Oklahoma State Fair, 1911), Defender's Col. 112297, Autocrat 94765 and
Muncie Col. 113779. Satisfaction guaranteed.
W. A. WILLIAMS, MARLOW, OKLAHOMA.

Spring Boars Ready to Ship

Unexceiled in breeding and quality. A few from State Fair prize winners. Order white young and save express. For prices on young stock address C. O. ANDERSON, MANHATTAN, KANSAS

Walnut Grove Breeding Farm by B & 'Co B. C. WATSON, ALTOONA, KANSAS.

HEBRON FARM DUROCS

Some good fall boars for quick sale.
Also a few good sows.
H. H. SHAW, - HEBRON, NEBRASKA.

Our Inquirer on a Postal Card
Oklahoma, dated May 18th, 1912, forgot to sign his
name. Will he please send name so we can reply.
E. B. TILSON, Concordia, Kansas.

COLLEGE HILL HERD DUROC JERSEYS.

March and April pigs priced at three months old. Tatarrax, G. M's Col. and Carl's Critic Breeding. State Fairs winners. Write for prices.

W. W. Bales & Sons, Manhattan, Kansas.

BUDDY KIV, and B. & C's COL.

Boars and Gilts by these great sires and sows and gilts bred to B & C's Col. For sale at reason-able prices. For full particulars write J. J. BAKER, INDEPENDENCE, KANSAS.

Fisher's Durocs Herd boars, Graduate Col. 28279a, Orimson Prince 69627, Ruby's Chief John I. King's Col. F. 86836. These boars are among the best in the state, and sows in herd bred equally as good. Describe what you want, stating price you wish to pay. H. E. FISHER, Bawille, Harper Co., Kansas.

DUROCS=

Great crop of spring pigs. Tried sows for August and September farrow, bred to our great boar. Good E. Nuff Again King.

W. W. Otey & Sons, Winfield, Kan.,

"The Men With the Guarantee."

DUROCS FROM PAWNEE VALLEY

Three yearling boars, herd headers. Some gilts, same age and breeding. Also 17-months old herd boar, Ohio Chief strain. Also fall males. All immunized from cholera. Prices reasonable. JUDAH BROS., HIATTVILLE, KANSAS.

Saline Valley Stock Farm

Am booking orders for spring pigs, either sex; also a few choice fall boars and gilts. Pairs and tries not related.

J. LEE DUNN, RUSSELL, KANSAS.

Ticer's Durocs—few good young & C.'s Col. boars, worth the money; also a few bred sows. Will book orders for spring pigs. C. L. TICER, HARRAH, OKLAHOMA.

Perfection Stock Farm ov. boars and gilts, also 80 choice spring pigs, by tate Fair grand and reserve champions. Pairs and tios not related. Ship on approval. Prices right. Write your Geo. M. Clasen, Union City, Okla.

W. T. HUTCHISON, CLEVELAND, MO

Special offering, 5 extra fall boars ready for service, for quick sale; also, choice pigs, either sex, pairs and trios. Order now for choice. I can please you.

DUROC-JERSEYS.

BRED DUROC GILTS FOR SALE! Fall boars, 2 yearlings, April pigs at wearing time. One extra good yearling herd boar. Write for prices and state your wants to J. E. WELLER, FAUCETT, MO.

CLOVER DALE DUROCS Herd boar, Western Wonder Again No, 106067, by The Western Wonder, dam, Lady Silkworm, 450 gets him. September boars \$20, September gilts \$15 and \$20,00. Sows bred for July farrow, \$35 to \$50. L. T. SPELLMAN, R. R. No. S, Paola, Kas.

SCHWAB'S DUROC - JERSEYS!

A choice lot of big, husky spring boars at \$25, if taken soon. Also young sows bred for April, May and June farrow, priced right.

GEO. W. SCHWAB, CLAY CENTER, NEB.

Bancroft's Durocs. We hold no public sales. Nothing but the best offered as breeding stock. Choice Sept. boars. Tried sows and September glits, open, or bred to order, for fall farrow. So feb. and March pigs, either sex. Pairs and trios not akin. Prices right. Customers in six states satisfied. Describe what you want. We have it. D. O. BANCROFT. OSBORNE, RAN.

W.E.Epley's Polands W. E. EPLEY, DILLER, NEBRASKA

Welch's Big Type Polands Large, growthy, good boars and gilts. A great bargain, also, in our herd boar by Progression. Write for particulars. L. H. WELCH, GARFIELD, KANSAS.

Fall and Spring Boars I have 7 spring yearling boars and 5 Sept. fall boars for sale. Big. smooth boars of big type breeding. Priced right. A. L. Albright, Waterville, Kas.

CIANT MONARCH Also a few tried sows bred to this great boar. W. C. MILLIGAN, Clay Center, Kan.

Tabor Valley Polands 15 fall gilts bred for August and September farrow.

Also 10 September boars for sale. Big, growthy
stock. Priced to sell quick.

L. E. KLINE, - Zeandale, Kansas.

DOOLEY'S BIG SPOTTED POLAND CHINAS Herd headed by Etterville Chief by Brandywine. Herdsows selected from tops Faulkner's herd. Booking orders now for spring pige by Ettervillechief, Badweiser, Brandywine. They sill piese, are pited right. Edgar Doeley, Etterville, Mo.

MAPLE GROVE HERD

Big Type Poland Chinas

Herd headed by EXPANSION LOOK 61191.

Best of big breeding and individuality represented in my sow herd. Fall sale October 26.

R. B. DAVIS, HIAWATHA, KANSAS.

Manderscheid's Polands.

Fashionable blood lines. High-class individuals, Spring or fall boars; gilts, bred or open. Prices reasonable. Descriptions guaranteed. Write today. E. J. MANDERSCHEID, St. John, Kansas.

Dean's Mastodon Polands Poland China hogs, the big-boned type, will weigh when mature, 800 to 1,000 lbs. Bred sows all sold. Will sell a few boars of serviceable age, also choice fall pigs, either sex. All

Immunized by Double Treatment Herd headed by Mastodon Price, Columbia Wonder and Gritter's Longfellow 3d. Everything guaran-teed and sold worth the money. Address CLARENCE DEAN, WESTON, MISSOURI

Mammoth Poland Chinas

My herd boars weigh from 800 to 1,000 lbs. Am now ready to ship 200 of the big. easy feeding, quick maturing kind. Tried boars and sows, last fall boars and sows, and spring pigs of both sexes. My terms are: If you are not satisfied return the hog, and I return your money. F. P. ROBINSON, MARYVILLE, MISSOURI

Poland Chinas

Bred sows at private sale. Also fall and spring boars. Sows bred to Tom Lipton, Welcomer, Iron Clad 2d and others. Priced right. Ask for prices and descriptions.

JOSEPH M. BAIER, ELMO, KANSAS.

He brings the late news street,
street,
And greetings from friends far away,
Tho' the mud be hub-deep and you're far
from the pike,
And you fear that today he may fail,
It's a safe bet that somewhere he's hitting
It's a safe bet that somewhere he's hitting
Just to get there on time with your mail.

Just to get there on time with your mail.
Choice stock by the leading big-type sires for sale. Fall sale October 19. Come or write,
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Choice stock by the leading big-type sires for sale. Fall sale October 19. Come or write,
Choice stock by the leading big-type sires for sale.

SPRING PIGS

I. am now booking orders for Spring Pigs, either sex, sired by Captain Hutch, King Hadley 2d, Hutch Jr., Mouw's Longfellow Price, Panorambler and A Wonder, out of Long King's Equal sows and-sows of the best big type breeding and immense individuals in size and quality.

Order early and get first choice. Pigs shipped at three months old. Nothing but first class stuff shipped. Send for private sale catalog and prices. In buying at this age you save enormous express charges.

"THE HOME OF CAPTAIN HUTCH."

C. W. JONES, SOLOMON, KANSAS

Poland Chinas That Grow Big-

Booking orders now for spring pigs—boars and gilts—by A Wonder, the 1,200-pound boar and out of 700 and 800-pound sows, some extra fine prospects. Also pigs sired by Big Joe and out of A Wonder sows. These are great. Get your order in early. They are going fast. Pigs shipped about 3 months of age. Write for my private sale catalog. It is a history of my herd, including the great A Wonder and his get.

CLARINDA, IOWA HENRY FESSENMEYER,

BIG BARGAINS IN REAL ESTATE

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

320 A., 100 good alfalfa land, 160 natural hay land. Near station. \$30.00 per a., terms. Moore & Falls, Liberai, Kan.

FOR SALE. Two good farms, 640 and \$20 a. 2 mi. Co. seat, \$7.00. No trade. No agent. Inquire Box 59, Jetmore, Kan. 2,000 A. RANCH. 200 broke. Mighty fine. \$16 per a. Impr. and unimpr. lands, sale or ex. \$10 to \$25. Spencer & Spencer, Sedan, Ks.

FOR BARGAINS in Marshall and Washington Cos., Kansas, land or any other county you want it, write PRALLE BROS. REALTY CO., Bremen, Kan.

NOTHING pays better than an investment in our "Great Arkansas Valley Irrigated Lands." We have just what you are looking for, Write W. L. Van Horn & Co., Garden City, Kan., for particulars.

240 ACRES rich Arkansas Valley alfalfa land on interurban line, 7 miles north of Wichita, cutting 2½ tons of alfalfa to the acre at this time. Belongs to heirs and must sell. Address Lock Box 1064, Wichita, Kan.

BUTLER CO. SNAPS. 400 a. fine land, highly imp., permanent water, 120 cult., town 2 ml., \$40. 400 a., fine sheep ranch, permanent water, 80 cult., \$4,000 improvements, town 4 ml., \$30. V. A. Osburn, Eldorado, Ks.

FOR SALE. 160 acre farm 2 miles from Marysville, Marshall Co., Kansas. ½ mile from market, 130 acres in cultivation, 25 ccres in pasture, running water, improvements fair. For information write Louis Schulte, Marysville, Kan.

ARE YOU looking for land that will make you money We have a big list of the best land in the Liberal territory any of which is bound to do it. Write us about this.

LIGHT & STOUFER, Liberal, Kansas.

I HAVE two quarters of land that I will sell for \$1,600 cash, net to me. S. W. ¼ section 12-15-31 and S. W. ¼ section 26-13-30, Gove Co. Assessed valuation for 1912 \$1,620. If you care to trade you can treble your money on this land.

GEO, D. ROYER, Gove, Kan.

FORD COUNTY, in great wheat belt, best of soil, climate and water. DODGE CITY, COUNTY SEAT, where we expect half million worth improvements this year and new R. R. running southwest. Have lands from \$12.50 to \$40.00 per acre, one-seventh cash, balance in seven equal payments. Co-operation soilcited.

SANTA FE LAND CO., Dodge City, Kan. NEW LIST FREE describing Anderson county farms, \$40 to 160. Geo. W. Iler & Son, Garnett, Kan.

CHEAP KANSAS AND OKLAHOMA FARMS 1,440 a. Improved, Okla., price \$30, all on time, Howard, The Land Man, Wichita, Kan.

FARM BARGAINS.

Choice wheat and alfalfa lands in famous Medicine and Sharon Valley, \$25 to \$50 per a.

J. P. DUNCAN REALTY CO.,
712 Beacon Bldg., Wichita, Kan.

LINN COUNTY FARMS.
Biggest bargains in Kansas. Corn, wheat, timothy, clover, bluegrass land \$15 to \$80. Coal, wood, gas, abundance good water. Fruit and everything that goes to make life pleasant. Large illustrated folder free. EBY BROTHERS & CADY, Pleasanton, Kan.

CHASE COUNTY RANCH.

1,460 acres, 150 acres under cultivation creek bottom, well improved; well watered, springs, wells and creek: 7 miles of town. Price \$23.50 per acre. Other farms, KLOTZ & HOEL, Cottonwood Falls, Kan.

COFFEY COUNTY, KANSAS.

In heart of corn and tame grass belt.

Farms and ranches \$30 to \$60. List free.

LANE & KENT, 3rd St., Burlington, Kan.

80 ACRES ALFALFA LAND
for sale. If interested write for list of ten
80-acre tracts near Salina.
V. E. NIQUETTE, Salina, Kansas.

BARGAIN.

160 acres, good land. 8 room 2 story dwelling, good barn and outbuildings, well watered, shade trees, orchard, fine location, school across road, 3 miles from town, sure bargain at \$50.00 per acre. Send for list of bargains. F. C. LIBBY, Blue Mound, Linn Co., Kansas. J. L. Wilson, Salesman.

460 A. ALFALFA BOTTOM LAND
38,00 a. 100 alfalfa bottom land, \$30 a.
60 a., splendid black prairie land, good new
louse and barn, fenced and cross fenced,
vithout a blemish, \$50,00 a. Send for list of
0 farms, in rainbelt of southeastern Kansas.
J. B. COOK, Chetopa, Kansas.

New buildings, 80 a. in cult., balance grass, good alfalfa, \$6,000, terms.
BEATTY REALTY CO., Wichita, Kan.

FINEST ALFALFA FARM IN KANSAS.

144 a. 4 mi. Ottawa. 12 a. now alfalfa;
120 a. creek bottom; no overflow; new 7 r.
modern house; new barn 40x68; 37 a. hog
tight, bluegrass; 15 a. timber; small creek;
man wants to sell. Price \$67.50 per acre.
MANSFIELD, Ottawa, Kansas.

A. T. & S. F. R. R. is building from Dodge City southwest through: Stanton Co. lands at \$8.00 per acre. Grant co. lands \$10.00 per acre. Morton Co. lands \$10.00 per acre. % to % cash payment down. Send for map and full description.

BROWN & VERNON, Dodge City, Kan.

FOUND A beautiful, smooth, level half section of land lying 9 miles from town that we can sell for \$3,600. The cheapest half section on the market; first class soil. No better proposition in the county. Who wants it? COONS & JACOBS, Plains, Meade Co., Kan.

In Okla., Gulf Coast country and Kan.
Prices low; terms easy. Exchanges made.
JABEZ F. BRADSHAW, Lenexa, Kan.

Grant County Land The Santa Fe is laying steel on the new cutoff. I can sell good land near it, from \$8 to \$11 per acre. Write for information. T. W. MARSHALL, New Ulysses, Kan.

DON'T READ THIS unless you want to make a good profit on a small investment. I have a proposition to offer that you cannot afford to let pass you. Level, well located residence and business lots in rapidly growing town. Prices \$12.50 to \$50, easy monthly payments. Write for particulars. JOHN W. BAUGHMAN, Desk "G," Plains, Kan.

Sedgwick County Farm Bargains

320 a farm; best alfalfa, corn or wheat land; lays level; shallow to soft water; improved; \$65.00 per acre, half cash. 160 a. well improved; all hog fenced; \$50 per acre half cash. 80 a. farm, valley land; good house, barn; 20 acres alfalfa; \$80 per a., terms. 160 a. alfalfa land improved; one mile R. R. station and fine Catholic church; \$80 per a., terms. 1,360 a. ranch improved; Living water; \$22.50 per acre. H. E. OSBURN, 227 East Douglas, Wichita, Kan.

OKLAHOMA.

BEST FARMS in Oklahoma \$20 to \$50 per . Write C. A. West, Miami, Okla.

EASTERN Oklahoma Indian lands. List free. Write F. S. Ashleman, Nowata, Okla.

EASTERN OKLAHOMA farms for sale by owner. All prices and sizes. Write W. A. Hancock, Pryor, Okla.

190 ACRE farm; near McAlester, popula-tion 15,000. Well improved; bargain at \$39.50 per acre. Ringlands, McAlester, Okla.

320 A. ½ ml. R. R. town, smooth, black, rich soil, in wheat, fine prospects, good water, good imp., \$50.00 per a. with 1-3 crop. J. H. Fuss, (The Land Man), Medford, Okla.

GOOD 170 ACRE central Oklahoma bottom farm; 8 miles from one railroad station, and 2 miles from new road to commence building soon; 115 acres in cultivation; fair improvements. Price \$6,500. LAMBARD-HART COMPANY, Shawnee, Oklahoma.

FARM, 100 acres, 3½ miles out, good soil, 7 acres alfalfa, abundance fine water, house, barn, fencing, 60 acres good pasture, 75 tiliable, 35 in crops. Ideal place to handle stock, poultry, fruit, especially small fruit and alfalfa. Carnegie has no dairyman or milkman. Write for full description. Baldwin & Gibbs, Carnegie, Caddo county, Okla.

ALFALFA LANDS \$40 to \$50 ACRE

EAST END OF HODGEMAN COUNTY Very best bottom land, with running water, some timber. Excellent wheat land at \$20 to \$30 per acre. Come and see or write for list. M. W. PETERSON, Hanston, Kan.

DICKINSON COUNTY BARGAINS

We have many fine river and creek bot tom land and also fine upland farms for sale,
Good wheat, corn and alfalfa lands at reasonable prices. Write for lists. Mention this
paper.

BRINEY, PAUTZ & DANFORD, Abliene, Kansas.

An Ideal Ranch

1,120 acres, 7 miles from Goodland, the county seat of Sherman county Kansa Two (2) good frame houses, splendid barn 42x40 feet, large cattle shed, two chicke houses, splendid well of water equipped with good wind mill; 200 acres in cultivation 640 acres fenced with two wires; soil is a deep loam, suitable to all crops native to the zone. Every acre of this farm is smooth tillable soil; "no rough land"; shallow water; irrigation can be established cheaply from the underflow.

This is certainly one of the most ideal farms in western Kansas.

Owners are old and wish to retire. Price, for immediate sale only, \$15.00 per acre. Goodland is a thriving town of about 2,500 people, a division point on the Rock Island Ry., has fine schools and churches, where all of the environments of any eastern town are enjoyed.

E. W. SULLIVAN, Goodland, Kans. Box 777.

OKLAHOMA.

GOVERNMENT FARMS FREE—Our 1912 official 132 page book, Free Government Land, describes every acre in every county in the United States; contains township and section plats, Maps, Tables and Charts showing inches rainfall annually, elevation above sea level by counties. Homestead, other government land laws, tells how and where to get government land without living on it. Application Blanks, United States Patent. All about Government Irrigation Projects, map showing location of each. Tax laws of each state, other information. Price 50 cents postpaid, direct from publisher. THE HOME BUILDERS, 508 West Main St., Oklahoma City, Okla.

180 ACRES 1 mile small R. R. town in this county, 80 acres smooth valley bottom land without rock or overflow, balance rocky prairie and timber, but fine pasture. Grass on 100 a, now makes ton per a. \$11.00 per a. Write us regarding the country. SOUTHERN REALTY CO., McAlester, Okla.

FOR BEST FARM LANDS in Payne and adjoining counties, \$20 to \$50, write Ira Stout, Farmer's State Bank, Cush-ing, Okla. Map and list free.

in the garden spot of Oklahoma, write JOE CAKE, Hunter, Okla.

POCKET MAP OF OKLAHOMA for five names of persons in ...nding to change. Caddo county corn and alfalfa land. BALDWIN & GIBBS CO., Anadarko, Okla.

TERMS TO SUIT.

160 a. 7 miles of Medford, 4½ miles of R.
R. town, 35 a. fenced with 3 ft. woven wire
in pasture, balance in cult., good orchard,
small fruit, fine water and mill, 4 room
house, large barn and sneds, 2 miles of
school, some wheat. Good loose loam soil,
good ALFALFA land. Write us for trades,
BATTEN REALTY CO., Medford, Okla.

All About Oklahoma

nd for my free book. PERRY DEFORD, Oakwood, Okla

Oklahoma Wants You 500 choice farms good. Easy terms. Soil and climate excellent. Write for list. Roberts Realty Co., Nowata, Okla.

Indian Lands for sale, 300 choice farms, N. E. Okla., low prices. Easy terms. Perfect title. E. T. TETER & CO., NOWATA, OKLA.

GET A FARM ON PAYMENTS

Oklahoma farm lands to actual settlers on time payments with or without any cash. List of 120 farms to select from. Write for JOSEPH F. LOCKE, Wynnewood, Okla.

Eastern Oklahoma
Land \$3.00 to \$25.00 per a. Prices are
steadily advancing—now is the time to buy.
If you want a good, cheap home, or a money
making investment, write to or call on
W. T. HARDY, McAlester, Okla.

ARKANSAS.

IF INTERESTED in N. E. Arkansas farm and timber lands, write for list. F. M. MESSER, Walnut Ridge, Ark.

RED RIVER corn and alfalfa farms, \$20 to \$50 per acre; income \$50 to \$60 per acre. List free. L. A. JUSTUS, Foreman, Ark.

FOR des. literature, city props., Ark. and Okla. farm, fruit, timber and grazing lands, write Moss, Hays & Co., Siloam Springs, Ark.

FOR FREE INFORMATION about Arkansas fruit and general farming land, at low prices, on liberal terms, write us. New list free. Griffin & Wasson, Gentry, Ark.

160 A. GOOD SOIL, \$2,400. ½ cult., family orchard, 2 small houses, good well, spring and branch, school 1 mi., R. F. D., and tel. line ¼ mi., on public road 6 mi. from Horatio, "City of Peaches." Best farm, fruit and stock section in state! PORTER LAND CO., Horatio, Sevier Co., Ark.

160 ACRES black alfalfa land; soil 15 feet deep; if not as rich as yours will pay your expenses to see it. Price \$25.00 per acre. Ask for map and list.

H MULVER TEXARRABA Ark. Texarkana, Ark H. M. McIVER,

381 ACRES, 280 being very rich black river bottom land, 165 is in cultivation. 17 acres upland. 100 bottom land practically cleared, has heavy growth cane. 4 tenant houses, barns, other outbuildings. One large barn 48x80 and a rent barn with wagon scales, shed, cribs, etc. This is undoubtedly one of the best tracts of land on Black river, 5 miles below Black Rock. \$37.50 per aore. For full particulars write J. L. McKAMEY, Imboden, Lawrence Co., Ark.

ARKANSAS LANDS.

For fruit or general farming, at much less than their actual producing value. Fruit, berries and all staples grow to perfection. Land values are advancing rapidly. New list free. COLLINS & HUNSAKER, Decatur, Benton Co., Ark.

What Kind of Farm

do you wish to buy? How much do you wish to invest in a farm? When can you come to select it? It is in Ark. The best for the money. For free map and particulars, HUBERT HALL, Waldron, Ark.

ARKANSAS.

IF YOU WANT TO BUY ARKANSAS LAND Write S. C. Dowell, Walnut Ridge, Ark. Finest farming, timbered and rice lands in the state at lowest prices. No trades.

FOR BARGAINS in Arkansas farm and timber lands, write H. G. LONG, Hoxie, Ark.

A FARM FOR YOU IN ARKANSAS.

40 acres GOOD LAND \$600,00, on these exceptional terms: Note for \$400,00 due in 6 years, 6 per cent interest payable annually. Balance of \$200,00 payable \$5.00 cash, \$5.00 per month, without interest. No taxes during installment payments. Larger tracts proportionate terms.

Our systeen years' experience is at your

portionate terms.

Our sixteen years' experience is at your service in investigating Arkansas.

Real Esate Department,

TEXARKANA TRUST COMPANY,

Texarkana, Arkansas,

Map for 2c stamp.

For Sale in Southwest Arkansas 80 improved farms at a price ranging from \$15.00 to \$40.00 per acre. Write for literature. SOUTHERN REALTY & TRUST COMPANY, Ashdown, Arkansas.

Scott County, Arkansas
where land values are steadily advancing.
Prices range from \$10.00 an acre up. Fine
for fruit, stock raising and general farming.
Get our new list. Mail free upon request.
SANFORD & SANFORD, Waldron, Ark.

Oklahoma, Arkansas and Louisiana Farms For Sale

farms for sale in 40 acre tracts and up, easy terms. Write for literature on state desired. We are owners, not agents, We have 15,000 acres in Okla.; 10,000 acres in Ark., and 4,000 acres of rich Red river bottom land in La. Tenants wanted who can farm 320 acres or more of our lands in La. Agents wanted. Address, ALLEN & HART, 308 Commerce Bldg., Kansas City, Mo.

MISSOURI.

25 OZARK bottom farms. List free. Write J. H. Wright, Marshfield, Mo.

DAIRY, poultry, fruit, stock and timber lands, all sizes and prices. Write Ozark Realty Co., Birch Tree, Mo.

HEY, THERE! 80 a. 1½ mi. out. Extra well imp. \$50.00 a., worth \$60.00. No trade. Baker Realty Co., Mountain Grove, Mo.

70 acrs located 3½ miles from West Plains, Mo. 62 acres in cultivation. 15 acres in tame meadow; practically all the best of valley land, close to school and church. Splendid improvements. The best of terms. Price \$4,500. No trade. terms. Price \$4,500. No trade.
P. HARPER & SON, West Plains, Mo.

BLUEGRASS FARM BARGAIN.

Six hundred eighty acres, close to railroad town, fine farm, large house, many
goed barns, artesian water. Best bargain in
Missouri for \$35.00 per acre. If you investigate you will buy. J. E. WALTON, 222
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CARTER COUNTY BARGAIN.

150 acres of good unimproved farming land, located 9 miles of Van Buren, county seat of Carter Co. Fine pasture land, also fine for dairy and fruit farming; in fact you can raise almost everything raised in the North. Fine climate, good water, schools, churches. A bargain at \$10 per acre. Write JOHN M. CARNAHAN, Van Buren, Mo. (County Clerk and Recorder, Carter Co.)

FREE: "Homeseekers' Review" Best Land Many big bargains. WEST PLAINS REAL ESTATE CO., West Plains, Howell County, Mo

TEXAS.

FREE ILLUS, literature describing land in the famous Texas mid-coast country. Smith Diebel Land Co., Victoria, Tex.

WRITE FOR FREE literature describing choice lands in the Eagle Lake district. Send your name today. Fidelity Immigration Co., Eagle Lake, Texas.

POTATO LAND.

550 a. Brazos Val., red shell alluvial soil;

\$22.50 a. N. B. Knight & Co., Houston, Tex.

FOR SALE OR TRADE.

Rich farm and ranch lands. In tracts of 100 to 140,000 acres. \$3 to \$100 per a. Good terms. Dryden & Moseley. Waco, Texas.

CHANCE OF A LIFETIME.

450 acres, all tillable land, 250 acres in crops. Finest climate in the world. Easy payments. Let me tell you about this and other bargains.

J. C. SCHOFIELD & CO., Edna, Tex.

PROFITS IN GULF COAST LAND.
Wonderful production, large increase in value, an attractive home. Get our Free Booklets. "The Road to Prosperity" and "A Pointer on Where to Buy Land." Will send you free "The Gulf Coast Bulletin" for 6 mo. write THE ALLISON RICHEY LAND CO., 2nd Floor Carter Bldg., Houston, Tex.

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MISSISSIPPI—If you want the best to be had in farm land and a farm home, this is the land you will eventually buy. It's cheap now, \$10 to \$30 per acre. J. D. Peacock, Jackson, Miss.

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FLORIDA—10-acre tracts, finest prairie land, De Soto county, Florida; sacrifice price, \$18 per acre; monthly payments. C. E. Johnson, owner, Parsons, Kan.

FLORIDA LAND
Drained muck lands, St. Lucie county, below frost line, high elevation, long terms. 8,000 acres now drained. Write for free descriptive literature. Agents wanted.
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330 Midland Bidg., Kansas City, Mo.

Florida Lands For General Farming

We have 10,000 acres of the best farm land in Central Florida for sale in tracts of 40 acres to 640 acres. Land nearly level, good drainage, splendidly adapted for raising vegetables, grain, livestock and citrus fruit. When the purchasers of Florida land set away from the 5 and 10 acre idea and buy lands and farm them as they land set away from the 5 and 10 acre idea and buy lands and farm them as they land to see the second those realized by western farmers. He west the results will be far beyond those realized by western farmers. Prices \$25 per acre to \$40 per acre. Terms very easy. Address

Howard-Packard Land Co.,

Sanford, Fla.

FOR SALE OR EXCHANGE

GROCERIES and merchandise for farm. Other trades. F. Gass, Joplin, Mo.

BUY OR TRADE WITH US—Exchange book free. Bersie Agency, Eldorado, Kan.

LAND SOLD or exchanged. 2% com. Middle West Exchange Bureau, Cherryvale, Ks. WRITE FOR LISTS, sale or exchange. The Eastern Kan, Land Co., Quenemo, Kan.

TEXAS LANDS and properties for ex. Ask for trade bulletin, Deering & Neel, Houston, Tex.

FARM BARGAINS. Sales, trades, Want Tex. land. Don't trifle. Buckeye Agency, Agricola, Kan.

IF YOU WANT to buy or trade for an Arkansas valley farm, write to or call on C. L. Seeley, La Junta, Colo. BOOK 1,000 farms, etc., everywhere, for ex. Get our fair plan of making quick square trades. Graham Bros., Eldorado, Kan.

STATE UNIVERSITY. Buy house in Law-rence, Kan., while schooling your children. Large list, sale or ex. Fugate Land Co.

FARMS AND MERCHANDISE for sale or exchange. We match deals any size, any place. United Land Co., Wichita, Kan.

WANT FARMS, residence, stocks listed for exchange. I can help you. Ask for list-ing blank. A. W. Bremyer, McPherson, Kan.

REAL ESTATE for sale or ex. Wheat, alfalfa and grazing land. From central Kan. west. Write W. A. Sturgeon, Hutchinson, Ks.

TRADE what you have for what you want, list with us, we do the rest. H. C. BUTTS LAND COMPANY, Carrollton, Mo.

HUNDREDS of bargains in improved farms, located in 26 states. Sale or exchange, list free. W. P. Burrow, Warm Springs, Ark.

FOR SALE OR EXCHANGE—Good wheat and corn lands. Describe and price your proposition. Jess. Kisner, Garden City, Kan.

FOR SALE OR EXCHANGE—Irri; ated or unirrigated eastern Colorado lands at rea-sonable prices. Andrew Townsley, Holly, Colo. LIST YOUR PROPERTY for exchange or trade. We make all kinds of exchanges and secure results. Write us. The O. F. Exchange Agency, Eldorado, Kan.

160 ACRES Thomas Co., Kan., good smooth land, want good auto; other good trades. Send full desc, what you have, and what you want first letter. Buxton Bros., Utica, Kan.

COME to Meade county and buy a home; no place offers better inducements; no county in state of Kansas has better water, soil or climate, and everything considered, none can compete with us in prices. Come and see us or write for further information. Exchanges considered, Marrs & Day, Meade, Ks.

175 a. farm, Howell Co., Mo., 90 a. in cult., al. good timber, good apple and peach orch., some berries, 4-rm house, other outbidgs. Plenty good water, 2 mi. town. Will sell \$30 a. if sold soon. Half in good rental property, some cash, terms on bal. IOWA, MISSOURI & KANS. LAND CO., A. P. Cottrell, Mgr., Pomona, Mo.

STORE BUILDING and 5 living rooms good location, Topeka, Kan., \$4,000; store building good location in good town in north Kansas, \$4,000; a good 5 passenger auto, trade for team or western land, price \$1,000. The above properties belong to one man and he will trade them for a farm of equal value, or clear well located western land. 240 acres of grass land in Woodson Co., Kan., 5 miles from R. R. station, \$30 per acre clear, want general merchandise, THE THOMAS REALTY CO., Topeka, Kan.

FOR EXCHANGE—31 improved farms in Howell Co., Mo., all sizes. Write OAKS, Box 131, West Plains, Mo.

EASTERN KAN. farms. Write for free sale list. Also ex. list. Ex. a specialty. RICE-DANIEL LAND CO., Garnett, Kan.

WE HAVE three good gen, mdse, stocks to exchange for real estate. KANS. INVESTMENT CO., 408 Barnes Bldg., Wichita, Kansas.

Trade newly improved 40; trade stock merchandise; trade city resident property;

e autos. JOHN DEERE, Neodesha, Kan.

760 ACRES fine fruit orchard and farming land five miles from railroad in Arkansas, to exchange for a good stock of merchandise. 80 acres of unimproved land in Johnson county, Arkansas, for automobile or livestock. 80 acres of unimproved land in Wayne county, Missouri, good mineral prospect, for automobile, 240 acres in Wilson county, Kansas, for stock of merchandise. LONG BROS., Fredonia, Kan.

FOR FARM LANDS AND EXCHANGES of all kinds address John Capper, Real Estate Agent, Lyndon, Kan.

Co., Cassoday, Butler Co., Kan.

EXCHANGE FOR MDSE, OR HARDWARE, 480 a. good smooth land in south central Kan. Owner, H. C. Whalen, Wichita, Kan.

SNAP FOR QUICK SALE.

320 acres 6 miles of town, well improved,
225 acres in wheat; an ideal home, price \$35
per acre, good terms, Also have land in
western Kansas ranging from \$15 to \$25 per
acre to trade for anything worth the money,
B. M. MURPHY & CO., Hutchinson, Kan.

FOR SALE OR EXCHANGE.

No. 5 SP, 160 acres six miles of Olden, a R. town, 100 acres in cultivation, 130 fenced, 7 room house, in good repair, large bank barn, and other outbuildings, well, cistern, and stock pond, good family orchistern, and stock pond, good family orchisterd, School 4 mile. Perfect abstract title, ard, School Mortgage of \$1,600 at 5½ per cent due in 1917. For more information write to Jas. B. Webb & Co., West Plains, Howell Co., Mo.

FOR A QUICK SALE or exchange of real estate, address FRED J. HALL, Eldorado, Kan.

WE CAN SELL OR TRADE
your farm or business, no matter where located. Particulars free.
MID-WEST SALES AGENCY,
Nebraska

good land for a small hotel doing a good business in a good town.

J. M. MASON, Columbus, Kan.

TEXAS BARGAIN.

320, near coast, fine land, mear town.
Would consider small improved farm, or
residence, as part payment. Easy terms on
difference. Write difference. Write D. W. GRANT, Palacios, Texas.

FOR SALE OR TRADE.

A GOOD CREAMERY, located in a large town. Almost new. Also a good threshing outfit to trade for land. Also some fine irrigated land in the Laramie valley, Wyoming, to trade for Kansas farms.

W. J. TROUSDALE, Newton, Kansas.

TRADE YOUR WESTERN LAND FOR THIS 360 a. Excellent location and improvements, only 2 mi, to high school in Moran, Allen Co., smooth land, black soll, no rock. Price \$27,000, mortgage \$10,000. Want clear smooth wheat land for equity. Write for description and pictures.

IOLA LAND COMPANY, Iola, Kansas.

For Sale or Exchange

Good rich tillable land in Oklahoma. R. T. WRAY & CO., Tyrone, Okla.

Stock of General Mdse. For Land General stock, invoice about \$6,000.00, located in a good town in Anderson county, Kansas; stock nice and clean, running and doing good busin, ss. Submit propositions to WILSON & RESSEL, Colony, Kansas.

HERE'S A TRADE

A good farm close to Wichita, well imroved and priced right, to exchange for a
ood lumber yard, or hardware and lumber,
an loan \$10,000 on this place at 6 per cent.
splendid trade for someone.
LEACH REALTHY COMMONDER. splendid trade for someone. LEACH REALTY CO., Wichita, Kansas.

For Sale or Trade for picture show or restaurant, or racket stock, 20 acres of land joining the town of Amalga, New Mexico. Subject to irrigation, and all can be thrown into town lots. Price \$2,000 clear. GEO. MANVILLE, Holton, Kan.

FOUR GOOD FARMS Montgomery Co., Kansas—three 80 acre and one 160 acre tracts—good alfalfa farms priced reasonable, Will exchange for income property or hardware stocks. Write us today, FOSTER BROS., Independence, Kan.

For Sale or Exchange Land in the great corn belt of Missour Kansas and Nebraska. Also Ranches, you wish to make an exchange address M. E. NOBLE & SON, 507 Corby-Forsee Bldg., St. Joseph, Mo.

Trade Your Car For a Farm I have 320 acres in Stevens Co., Kansas, I miles from Hugoton, county seat, to which Santa Fe extension is building. All smooth, no waste, dark heavy sandy soil, price \$4,500. Will carry \$2,000 until Jan., 1914, at 7 per cent, take good car up to \$1,200 and balance in cash. Not a real estate man.

D. D. LAND, Liberal, Kan.

240 Acres of Irri-

close to Alamosa, Colorado. Will soon be in the city limits. Price \$100 an acre. Also \$2,000 worth of city lots in Okiahoma City. Will take gen'l mdse, or hardware store, not exceeding \$20,000 to \$24,000.

STEVENS & RUBY, Stockton, Kan.

-BIG LAND OPENING-

Kentwood, Louisiana, Sept. 20, 1912 The South Calls for More Men!

The richest and most productive section of America offers amazing opportunities to the Northern farmer—a better reward than your father ever enjoyed. Do you want a productive farm in the high, well-drained Ozone Belt of Louisiana, where two and three crops can be raised a year?

THE BROOKS-SCANLON LUMBER COMPANY and the KENTWOOD AND EASTERN RAILWAY will open up 10,000 acres of their large land holdings for settlement September 20 on the easiest terms ever offered

This land will produce big crops of Corn, Oats, Hay, Grass, Vegetables, Berries and Fruit.



And now for the Gulf Coast of Lou-isiana, the last and best farming country of them all, where two and three corps can be realized a year, where mild winters and enjoyable summers obtain, where a poor man stands a show. where the of farmers will come in the near future.

Make up your mind to come to this opening—10,000 acres of guaranteed land, as fine as lays out of doors to be settled by actual farmers on terms never before offered in this country.

No need to rent any more—fere's your opportunity for a real farm in a real country.

We will run our own special train September 17th.

Remember this is great corn, eats, hay, vegetable and fruit lands. If you are willing to work you can be independent in a short time if you get one of these farms.

Write for booklets, maps, photos, C. H. McNIE Land Commissioner,

Breeks-Scanlon Company, Kentwood & Eastern Rallway, KENTWOOD, LOUISIANA

COLORADO.

BEAUTIFUL irri. farms, fruit, sugar beets, grain, alfalfa. Ordway Land Co., Ordway, Col. WE HAVE some very good 320 acre home-steads in Eastern Colorado, 10 miles from Granada and main line of Santa Fe R. R. We will show you and locate you for \$25.00. BUN T. BEACHEL CO., Granda, Colo.

WOULD you buy land that one season's crop of alfalfa would net you \$35 per acre, if you could buy the land, unimproved, for \$20 per acre? If you would, write me! I can prove to you that I can sell you this kind of land. Carl M. Cook, Limon, Colo.

WE HAVE some very good relinquishments for sale in Eastern Colorado. These relinquishments come under good irrigation ditches and will improve in price from now on. Now is the time to get land in Eastern Colorado. Bun T. Beachel Co., Granda, Colo.

320 A. homestead relinquishments, a few choice ones, fine land, last chance. Write us. National Inv. Ass'n, Akron, Colo.

KIOWA COUNTY, COLORADO, corn, wheat and alfalfa lands, \$8.00 to \$15.00. Homestead relinquishments \$250.00 up. A few 160 acre relinquishments under prospective irrigation. Folder and copy of homestead laws sent free. THE WESTERN REALTY CO., Eads, Colo.

FOR SALE—Ark, valley irri, alfalfa lands, most desirable climate; nd lands with water in West. Geo. R. Wilson, Lamar, Colo.

HOMESTEAD FOR SALE.

320 acres, improved, 47 miles from Denver; \$1,000 cash buys it. Best snap in Colorado. Address THE ALLEN COUNTY INVESTMENT CO., Iola, Kan.

We have five acre tracts up to any number of acres you want; of irrigated land, so close to Denver that you can reach the city limits in a few moments' time and sell direct to the consumers. Every acre has a No. 1 water right under the Castlewood Reservoir, There is plenty of water in storage and you can have the moisture just when you need it and as much as you need. This land is splendld for orchard, general farming, truck gardening, poultry raising, and dairying. Price \$75 to \$125 per acre. Five to seven years' time on deferred payments. You can pay monthly, quarterly, semi-annually, or annually. Now is the time to see this land. Rallroad rates from most of eastern Kansas points for the round trip to Denver, \$17.50. Write us today for further information. Denver Suburban Homes and Water Company. Denver, Colorado. James Butler, Eastern Representative, 1236 Filmore St., Topeka, Kansas.

fine wheat, corn and alfalfa land at \$10 to \$15 per acre on good terms, write to CHAS. PURDY, Akron. Colo.

LAND FOR SALE.

Right now is the time to buy land cheap in Eastern Colorado; 320 acre relinquishments \$200 to \$1,000. Deeded land \$7 to \$15 acre. HARRY MAHER, Deer Trail, Colo.

HIGH GRADE COLORADO FARM.
240 a., 150 a. cult., 70 a. fine fall wheat,
240 a. alfalfa, irri. for truck patch, farm
timber on creek, fair impyts., pipes spg.
water in house, 7 mi. R. R. town. Price \$25
an acre; take some cash, some loan and
smaller place E. Nebraska or E. Kansas,
E. L. PALMER, Laird, Colo.

THERE IS MONEY IN STOCK. WE SELL.

20,000 acre ranch to sell or trade, best in
the country. 1,000 acre irrigated farm all in
hay and alfalfa. We are headquarters for
small farms. Why wait? Lands will never be
as cheap as right now. Write us your wants.
SHIELDS-BEGGS LAND COMPANY,
Fort Morgan, Colorado.

COLORADO.

Wheat and Alfalfa Land Klowa Co., Colo., \$8.00 to \$25.00 per a. 25,000 a. will be irrigated. Write for free maps and description. Shallow sheet water. A few good homested relinquishments yet. FIRST STATE BANK, Brandon, Colo.

Avoid Drouth and Floods

Constant sunshine, abundant water supply, fertile soil, in the Pueblo Irrigation District, which adjoins Pueblo. Land at present, 530 per acre, on easy terms. Low cost of water, payable during twenty years, commencing year after delivery. This insures a good cropy before any payment on water is due. Investigate now before prices advance. Write for circular and maps.

COBURN & M'CLINTOCK, all Box 797, Pueblo, Colo.

NEW YORK.

OWNER CRIPPLED, unable to get into wagon. Must sacrifice clover and alfalfa farm of 135 acres, \$2.000 worth of standing timber, twelve room house, two large barns, thou house, hen houses, one pair horses, hog house, hen houses, one pair horses, sulky plow and cultivators, corn planter, sulky plow and cultivators, corn planter, hay fork, pulleys, ropes, wagons, harnesses, telephone and telephone stock, everything on this well watered, valley farm, 12 miles on this well watered, valley farm, 12 miles from railroad town for \$6,500, part cash, from railroad town for \$6,500, part cash, FARM AGENCY, Owego, Tioga county, New York.

CANADA.

LAND LAND LAND LAND Wheat Land Ranch Land Codl Land Unlimited in Quantity—Unequaled in Quality Raw and improved land at reasonable prices in Southern Alberta, cannot be beat for wheat or mixed farming. Opportunities for dairymen, poultrymen, truckgardeners, Town lots and business property for sale. Let me tell you about this country and its resources. F. W. FORSTER, BOX F-1, Pincher Creek, Alberta, Canada.

Give Us Men.

We are weary of your parties,
With their hollow battle-cries.
We are sick of broken pledges,
We are sick of specious lies.
You have promised, we have trusted,
You have failed and failed again;
We have had enough of parties;
Give us Men! Give us Men!

Oh, a truce to poor excuses!

We have seen and we have heard.

Is it hard to do your duty?

Is it hard to keep your word?

Is it hard to deal the justice

You have sworn with tongue and pen?

We are done with trade and barter!

Give us Men! Give us Men!

We shall find them, we shall know them;
We shall call and they will heed
Downright men, however labeled,
Men of honest thought and deed,
Men who will not shirk or falter,
Who will shame your weak-kneed sloth,
Then,—a plague o' both your houses!—
We have had enough of both.

We are coming, we, the young men,
Strong of heart and millions strong;
We shall work where you have trified,
Cleanse the Temple, right the wrong,
Till the land our fathers visioned
Shall be spread before our ken.
We are through with politicians!
Give us Men!

—Arthur Guiterman,

To the Holstein Cow.

The Holstein cow is the cow for me; You ask me how I know? I tell by the pail she fills so well And by what the testers show.

The Holstein cow is the cow for me; You ask me in what way? For the little mouths she will feed so well. And the debts that she will pay.

The Holstein cow is the cow for me; You say you must be shown? Then look at the store bill she has paid With just her milk alone.

The Holstein cow is the cow for me;
No "dual cow" in mine.

I like a cream check every week—
Prosperity, rain or shine!
—W. I. Raymond, St. Charles, Ia.

Topeka Will Have a Big Fair

GET A PREMIUM LIST.

Premium lists of the Kansas State Fair at Topeka are being mailed by Secretary H. L. Cook. A careful perusal of one of these lists will give the reader an idea of the great institution the fair at Topeka has grown to be and what one may expect of the fair next fall. It will be held the week of Sep-tember 9-13. The prize money for exhibits alone approximate \$22,000, divided as follows: Horses, \$4,500; cat-tle, \$7,000; swine, \$2,200; sheep, \$1,400; poultry, \$1,800; dairy, \$600; agriculture and fruits, \$2,500; bees and honey, \$400; art and textile, \$1,250.

An unusual number of special prizes are offered for exhibits. Breeders' associations, business houses, and other organizations are supporting the fair liberally in this way. Arthur Capper, publisher of Farmers Mail and Breeze, has put up three cash prizes for boys exhibiting yearling fat steers and numerous subscriptions to Farmers Mail and Breeze will be awarded to exhibi-

tors of farm crops.

This year the livestock end of the fair will be made the big feature and with a good crop and fruit year Agricultural Hall should bloom as never be-fore. Special attention will be given the farm machinery. A special space has been set apart in Agricultural Hall for collective county exhibits for which liberal cash premiums are appropriated and the attention of county fair officials is called to this particular feature. The fair board asks that county fair officials see to it that their county and fair is represented at Topeka with the best they have to show. It will be a splendid opportunity to advertise a county's resources and possibilities, besides giving an opportunity for the officials to compare notes, get acquainted and so become better qualified to for collective county exhibits for which ed and so become better qualified to serve their own fair associations. Information of any kind concerning the fair will be gladly furnished by Secretary H. L. Cook, Topeka, Kan.

What Can Be Done With Cowpeas

A READER'S EXPERIENCE.

Mr. Editor-In this country we consider cowpeas one of the best crops for hay. As a soil builder there is nothing like them except, possibly, alfalfa. Cow-peas ought not to be planted until about the middle of June or first of July. If one wants all the seed to ripen it is well to plant a little earlier than that. If wanted for hay only, they may be planted after wheat. If you want to raise a bumper crop of corn just disk your wheat stubble and plant cowpeas. Then, when at their best, turn the peas under and plant to corn next spring. Some of our farmers plant them in corn just ahead of the last cultivation and get a fine crop of peas as well as lots of feed. Cattle will eat the dry stalks and the peas improve the land.

gs and let them gather the per ee, Mo. Grant McCoy. Taskee, Mo.

Jim Fike Will Win His Bet

Jim Fike, the Kansas "wheat king." of Thomas county says his wheat prospects are the best in 15 years. In his gambling with the weather in western Kansas Fike never lost out entirely until last year when he did not harvest enough off 16,000 acres to furnish seed for this year's crop. Last fall he took extra pains in putting in the crop, plow-ing 2 inches deeper than he had ever plowed before and sowing the best Russian hard winter wheat the Agricultural college could furnish him. His friends make the pot-bellied calf.

have estimated that if his crop only makes an average yield he stands a good chance of making a clear profit of \$90,000. His crop got a good start last fall and last winter's snows kept up the moisture supply but the rains early in May were what turned the tide in his

Commencement at Manhattan

COLLEGE YEAR ENDS JUNE 13.

The present school year at Kansas Agricultural college closes June 13 with commencement exercises at Manhattan. On that day 225 young men and women will receive diplomas and will then be ready to put their knowledge and training to the test along the lines of their chosen vocations. Of the number graduating 83 are finishing the course in home economics, 65 have completed the various farm courses (not including the farmers' short course), 36 are mechanics of one kind or another, 17 are veterinarians, and the rest have concluded four years' work in general sciences.

This army of well trained young men

This army of well trained young men and women should have a wholesome and beneficial effect upon the state, and it undoubtedly will. Not only Kansas but other states will be benefited, in fact the good work of the school is reaching across the water. William Hislop, a Scotchman from Edinburgh itself will receive a master's degree in aniwill receive a master's degree in ani-mal husbandry, and Franco Rosado will go back to his native land, the Philippine Islands, a trained civil engineer.

Nearly every Kansan is acquainted with the big farm school at Manhattan through some phase or other of its work but next week would be a fine opportunity to go up to Manhattan and at close range what the state is doing for Kansas farm boys and girls. There will be thousands of other visitors there and the college authorities and students have arranged to entertain their guests in various ways. The baccalaureate sermon will be preached Sunday, June 9, by Bishop Sidney C. Partridge of Kansas City, and the commencement address the following Thursday will be delivered by John H. Atwood, also of Kansas City.

A New Trade-Learn Blasting

MUCH DYNAMITE BEING USED.

With the advent of dynamite as an aid in farming there has come a demand for men who know how to handle the explosive. In the near future we may expect to see the "blaster" abroad in the land, the same as the well digger, thresherman, corn sheller, etc. Just now there are few men who are qualified to do this kind of work. The average farmer would use dynamite if he were not afraid of it. As a matter of fact dynamite is no more dangerous than gasoline, gunpowder, acetylene gas, etc. There is nothing technical or dif-ficult to learn about the safe handling of dynamite and we believe any bright young man from the farm who will take a little trouble to learn to employ it in its various uses will have a trade that will help him earn a good many dollars in the years to come. Dynamite has been used on stumps and boulders for many years. Recently it has been found specially effective in digging ditches, draining lowlands, planting trees, rejuvenating rundown orchards, subsoiling, etc.

The Farmer's Greatest Need

Not so very long ago the Missouri board of agriculture sent a number of questions to about 600 representative If you want to raise a lot of hog feed without much labor, plant a few rows in the corn field and when ripe turn in opinion, is the greatest need of the with which he must contend?" Of the 440 who replied 40 per cent answered, "Hired help," 14 per cent. "The mainte-"Hired help," 14 per cent. "The mainte-nance and improvement of soil fertility," and 16 per cent, "Good roads." Seventeen correspondents replied that the farmers' greatest problem is how to combat com-binations that are believed to fix prices for what he sells or buys; 13 believe too much extravagance crists on believe too much extravagance exists on the farm; 10 favor the elimination or curtailment of the powers of the middleman, and nine name co-operation in buy ing and selling as the greatest need

Sour milk and irregular feeding help

Are You Prepared For Harvest Time

Why risk your entire season's profits on a sudden turn of the weather? Lack of sufficient power may spell ruin.

Plenty of reserve power means a quick, full harvest. It's the necessary aid to bigger, better crops and larger profits.

So when harvest time comes, be sure you have plenty of power. Don't depend on animal power. Play safe. Horses and men are profit wasters. Use the "ever-ready" mechanical power of a Hart-Parr Tractor. Then you'll understand why

Harvest Days Are Hart-Parr Oil Tractor Days

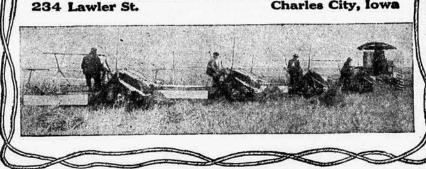
One Hart-Parr Tractor is more efficient than 15 to 30 horses and several men. Hauls 3 to 5 big binders with steady, even pull. Never tires. A blazing sun can't sap its strength or endurance. Exerts full power every minute you work it.

minute you work it.

Depending on size, it will harvest 60 to 100 acres a day and save \$8 to \$10 daily over horses. Many a Hart-Parr owner pulls a 6-bottom gang plow and 7-ft. harvester behind his tractor and easily harvests and plows 20 acres a day. This kills weeds and insures a better crop next year. It's the easy-to-operate One Man Outfit. Uses cheapest kerosene for fuel. More reliable than horses. Costs nothing for upkeep when idle. Three sizes: 30, 40 and 60 B. H. P.

Write for our 1912 catalog. It tells all about this general purpose farm tractor.

HART-PARR CO. Charles City, Iowa



Measured In Moisture Or Money Service is Perfect

WHEN blistering sun and hot winds are drawing the moisture out of your ground—when quick harrowing must be done to break the surface after rains—then the office of the plows—rolls—discs—harrows—all at one operation. It does the work in a hurry and when the difference of a few days means a big crop or no crop.

And for every acre plowed the office of the office of

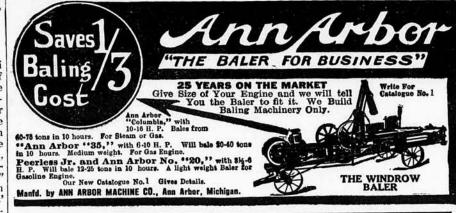
Abundant Power For Dry-Farm Plowing

You men who know the emergencies of dry-farming realize that you must have a tractor of resistless power that will not fail at the critical mo-

toffers more power, more reliability than are really necessary. Write a postal for the big Rumely catalog "Toling and Tilling the Soil"—a real text book of tractor information. Address

M. Rumely Co., 5862Main Street

GEORGE W. HAZEN,
Adams County, N. D. says:
In plowing last Fall I
pulled eight bottoms 7-inches deep with a 26-foot
drag attached behind. I
can say the Oil Pull develops more power than
you had claimed for it
and I am highly pleased.



ERTEL'S GEM HAY PRESS No other Hay Press will do so much BALES 15 TONS A DAY work in so short a time and do it so well. Will make smooth, hard bales, ten tone to a 36-foot car. Automatic brake-arm controls rebound of plunger, preventing danger to team and wear of machine. The Gem is built almost entirely of wrought steel and castings. It is a full circle press, two feeds to each round, 5 days free trial Write for free book. Geo. Ertel Co., Migrs. 296 Ky. St., Quincy, Ill.