FOR THE IMPROVEMEN

ne 49, Number 21

TOPEKA, KANSAS, MAY 27, 1911.

OF THE FAR AND HOME

K. S. A. C. LIOPARY.

Establ d 1863. \$1 a year

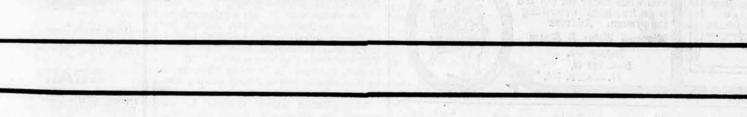
N its varied forms man's most valued crop is grass.

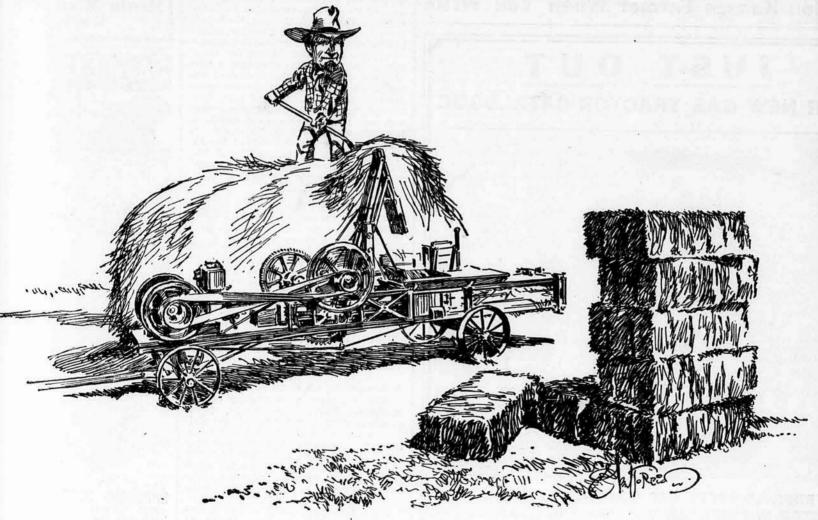
From the mighty bamboo of the tropic jungle to the golden maize of the temperate valley or the priceless gamma of the western plains,

each is the source of food, of fibre or of fortune's favor.

Creeping by the dusty roadside and ever ready to trespass upon the fields, it heals nature's scars, enriches the soil, feeds the cattle upon a thousand hills, and lays by in store for the weary winter. In rounded ricks it was once eloquent of plenty, though it gave one fourth its substance to waste of weather. Now its bales are builded into a fortress against the blasts of Boreas and nothing is lost.

Without the baler Kansas wastes in millions each year; with it her third greatest crop is conserved entire. -I. D. G.





Building A Barrier Against Winter And Waste



Madam: How Many Miles a Year Do YOU

It is estimated the average farm wife walks 18 miles a year—carrying a heavy pail of water 9 miles of that distance just for water for her kitchen work alone.

If she finds the pump frozen she must walk back for hot water to thaw it out.

THE MISSOURI AIR PRESSURE WATER SUPPLY SYSTEM

emancipates the farm wife from all such drudgery, besides it provides her hot and cold running water at all times

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A bath tub, wash basin and closet may be added for a few dollars furnishing genuine comfort for the whole family. Mrs. Farmer—if you insist there is no reason why you may not have this great convenience and labor-saver in your home—price need not keep it out. You will be surprised how cheaply you can own the entire system—your men folks can install it themselves. Suppose you write today for our 188 page free book describing the system. Address

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Water Supply On A Dairy Farm

Prospect Farm, which lies to the west of Topeka, and which is operated as a large dairy and alfalfa farm, has a water system which is unique in some respects.

The farm is composed of gently rolling land and is so situated that the house and main barn, both of which are large, occupy the top of a small hill. To the eastward and crowning an adjacent hill which rises to a greater height and indeed is the highest point on the farm, is stationed a large storage tank for the water supply. In connection with this is a great windmill which pumps from an inexhaustible well situated near the foot of the hill.

Although perhaps a thousand feet distant the storage reservoir has such a height that it serves to supply all of the hydrants in the barns and feed lots and to afford ample fire protection for the farm buildings. This constitutes one of the water systems on

The main barn on Prospect Farm is one of the largest in the state perhaps, as it covers a ground surface of 110 by 120 feet. This gives an enormous expanse of roof from which the rainfall is carried to a system of cisterns and this in turn furnishes the water supply for the household use. This water is very carefully filtered and is so situated that it always remains cool, even in the hottest weathe

A compressed air system was installed in the basement and, for the present, the pumping is done by means of a thrashing machine pump operated by hand. The large house is equipped with a wash bowl in each room where needed and water closet and bath on each floor, with sink in the kitchen and stationary tubs in the laundry, the whole of which is supplied with both hot and cold water. Water is heated by means of a water front on the kitchen range.

The entire cost of this equipment as applied to the house only, though including a fountain and hydrant in the lawn, was somewhat less than \$150. The work was done by a local plumber though it could easily have been done by the owner and his help during the

least busy seasons of the year.

This double water system is of course not necessary to the complete equipment of this farm, but it developed in this manner as a matter of growth. A storage tank and windmill pump, with the accompanying system of piping, have been in use for many years, and really have become a part of the farm just as the stream of water which flows through another quarter is a part of it. The owner's family prefer rainwater for household use, and so another system has been installed which supplies the residence only from the cistern. Good health, cool water for drinking and soft water for household use are thus insured at a very moderate expense.

Farm papers serve to build fires of enthusiasm, others in the kitchen stove.

Kansas pastures are pretty well filled with cattle from the southwest but the knowing ones say that the supply will be short as compared with that of last year. These cattle show several points of interest. They are of better quality than formerly; they show a large infusion of Hereford blood; they are young as compared with former years and the ranchmen have quit spaying their heifers.

A Suggestion to K. S. A. C. Alumni. Wayne Dinsmore, secretary of the American Percheron Society, is a graduate of the Iowa Agricultural College and won his highest honors in animal husbandry, especially in horse judging. He remembers his Alma Mater by giving a gold medal, each year, to be competed for by the sophomore class in animal husbandry, in their work of horse judging.

Chas. Gray, secretary of the American Aberdeen Angus Association, is also an alumnus of the Iowa ollego and he gives a gold medal each year, for proficiency in beef cattle judging by the freshmen.

Doubtless there are members of the K. S. A. C. alumni who would be glad to offer similar incentives if the matter were brought to their attention.



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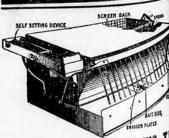
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Catches rats and mice where other traps fall.

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WHOLESALE FISH BARGAINS. 1 box Home Smoked Bloaters, \$1.35.1 pail Family White Fish, \$1.25. fish catalogue. Scandia Fish Co. Definition, Minn,

THE MULE AS A CROP. onversation with an army man ad seen service in both the lines and the Chinese Boxer re-he stated that, of all the he stated that, of all the ents of all the Boxer uprising, and the United States army was the best and this fact was due to the quality of the American

e standing on a platform over-the Kansas City stockyards iter was accosted by a gentle-ho inquired where he could buy st mules in car lots. He was as the agent of the largest inconcern in the United States, in the world, and stated that he a heavy type of draft mules were not raised and could not ght in any other section of the They were to be used in city work in place of draft

e incidents are mentioned to he attitude of the two largest of horse flesh in the country this may be added those of the st of contractors, cotton farmne owners and others who use ile as a motive power in pref-to the horse and for the same

mule has greater powers of enand will work under climatic ons which would wear out the He does not easily scare and t destroy himself and the ownoperty in a panic of freight.
I not overfeed when exhausted
er drink when heated. He will
hen his strength or powers of
nce have reached the limit. He le and easily handled; posesses sense than the average horse will not kick in spite of the ion which has been given him would-be funny man of the

the Boer war when the Britmand so nearly depleted this of suitable mules the de-of that country have kept up found that the corn belt mule United States has no equal in

time since KANSAS FARMER d a letter from a subscriber in lla who wanted information as tre he could buy a cargo of to breed to the large Suffolk with which that country had tocked from England.

have been known since the King David but none have atthe quality, the value or the don of those of the American elt. Their reputation is world and the demand for them

ebody must supply this demand hy not the corn belt farmers in produce them more cheaply better quality than can those other land.

Missouri mule is famous and Kansas mule is a close second numbers and quality, if availires as to numbers and the reof show rings are to be relied

e there are many mares whose object to using them for mule there are very many others ould bring their greatest profit way. A mule has nothing to out his labor but as a compact lective working machine he has al as he is available for use in nd of work that the horse can in many other places where rse is not so effective.

e is money in mules. Their es not decrease nor the marof stock. uctuate as

things compel the farmer to One is to make a living and Some is to make a living and her is to kill weeds so that he sometimes it looks like labor it to cultivate the fields until are clean and free from weeds len allow the fence corners, the read lots and the readsides to een allow the fence corners, the eed lots and the roadsides to a heavy crop for reseeding the again. Most farmers mow the des at least once a year but nany wait until the seed seeds ature before doing so?

Ing as chauffer on a manure ler is the best possible training e running of an automobile. It the auto a possibility.

MENSAS FARMER ITORIA

With which & combined FARMER'S ADVOCATE, established 1877. Published weekly at 625 Jackson St., Topeka, Kan., by the Kansas Farmer Company. Albert T. Reid, President. J. R. Mulvane, Treasurer. S. H. Pitcher, Secretary. Edited by T. A. Borman and I. D. GRAHAM.

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PUBLISHERS' GUARANTEE TO SUBSCRIBERS—KANSAS FARMER aims to publish advertisements of reliable persons and firms only, and we will make good to any paid-up subscriber any loss he may suffer through fraudulent dealing on the part of any of our advertisers, provided complaint is made to us within thirty days after the transaction, and it is shown that the subscriber, in writing to the advertiser, plainly stated: "I read your advertisement in Kansas Farmer." We do not, however, undertake to settle, or be responsible for the debts of bankrupts, or for petty and trifling disputes between a subscriber and an advertiser, although we extend our good offices to that end.

PICTURES—Good photographs, drawings and plans are especially solicited. Senders' names should always be written on the back of each picture. Kansas Farmer can not be held responsible for any picture submitted, except under special written agreement.

CONTRIBUTIONS—KANSAS FARMER is always glad to have correspondence on all farm, live stock or household subjects. Your name should be signed to all communications and they should always be addressed to

KANSAS FARMER COMPANY, TOPEKA, KANSAS.

WOVEN WIRE GOSPEL.

I do not have much time to do the things that I want to do, but I am going to stop right here and tell you that I have been enjoying the sermonettes and pictures on the front page of Kansas Farmer. They have all been good, in fact, I think that front page sentiment for the past three months has ment for the past three months has about given a man a dollar's worth of thinking, thus making the rest of KANSAS FARMER come free. I partic-ularly want to endorse your woven wire gospel, though I appreciate the value of the work barb wire has done in the country. The cow boys were pretty close to the border line of undesirable citizens, the extremes of idleness and hardships, monotony and wildness could not make them much else than what they were. The occupation of riding fences is better for the man and cattle than the old time line riding and round ups, but not-withstanding all the barb wire has done-for the cattle business in the development of the range country, I still think the best day's work Satan ever did was when he inspired some men to invent the barb wire. Good woven wire, it seems to me is typical of the advance an agricultural country must make before we can place it where it belongs.

I assure you I appreciate your literary gems.—Prof. Albert Dickens, K. S. A. C.

K. S. A. C.

WESTEN FARMERS CONVENE.

The second annual meeting of the Western Farmers' Conference will be held at Hays, Kansas, on June 7 and 8. As this event was such a conspicuous success last year at the same place and as the farmers were so pleased and profited by what they saw and heard at the greatest experiment station in the world, it is expected that the attendance this year will be much larger than last.

It is a liberal education to be able to visit the experimental fields and feed lots of the Hays Station and watch the results obtained in working out the problems of the new agri-culture of that region.

To the farmer interested in such matters there is no more interesting or instructive spot in Kansas unless it be the Agricultural College at Manhattan which is the mother experi-ment station of the state. The Topeka Commercial Club has

recognized the importance of the Hays meeting by appointing delegates to represent it and other commercial bodies could well afford to do the

COUNTY FAIRS ORGANIZE.

A decided step in advance was made for the betterment of Kansas last week when the secretaries of the county fair associations of the state met in the capital city to discuss methods and effect an organization of mutual helpfulness.

There are about 60 of the Kansas counties which maintain county fair associations and a majority of these, either in person or by letter, expressed themselves as being favorable to a permanent state organization. They did more than this. They expressed themselves as favoring genuine agricultural and live stock fairs in each county as being among the best possible agencies for the advertising, in the most favorable man-ner, the home community; for the real education of both exhibitors and visitors by means of the object lessons found in the exhibits; for a county social gathering of large proportions and larger possibilities and as an opportunity for business transactions of unusual value.

The county fair secretaries who attended the meeting at Topeka elected temporary officers and appointed a committee to draft a constitution and by-laws for approval at the first an nual meeting which is to be held at Topeka in connection with the annual meeting of the Kansas Improved Stock Breeders' Association during the second week in January, 1912.

Among the more important matters decided upon were the laying of plans for uniform classification of exhibits, especially the live stock and poultry. This is a matter that has needed attention for a long time and has re-ceived serious consideration but no united action heretofore. The basis of the uniform classification will be that recommended by the Kansas Improved Live Stock Association and which has been found to be most satisfactory to those fairs Which have adopted it.

The county fair is the county on exhibition and is of value alike to both residents and visitors. The resident finds the results of breeding or cultural methods right at home which he did not know existed while the visitor is tempted by the exhibits to line a home where such methods are used and such results attained.

JE 35 38

The young man who leaves the farm in order to better his condition simply misses his opportunity. If his father did not succeed under old methods it is up to the young man to study new ones. The money and the career are both on the farm. Get them.

I wish to congraulate Kansas Farmer upon its weather map and crop reports. This is a most valuable feature that no other paper has. I read Kansas Farmer, every issue, and always take it home for my family to read.—E. C. Cook, Chicago, Ill

A KITCHEN ENGINE.

Hand power is the most expensive of all forms of power. The degree of poverty in a nation, no less than that in an individual, is measured by the extent to which hand power is used.

The peoples of today which show the least advancement in civilization are those which use the smallest number and the simplest forms of mechanical aids in their work. This is but a natural condition as mechanical in-genuity presupposes intelligence and a desire to accomplish greater results with more economy than is possible with the aid of hand labor alone. The outstanding rank of America as a nation is due to the mechanical in-

a nation is due to the mechanical ingenuity of her people. This has developed the plow with which greater crops were possible; the various harvesting machines with which these crops were saved and the railroads and steamboats with which they are transported. With each of these and its consequent development of other things has come the gasoline engine which has proved of the greatest util. which has proved of the greatest util which has proved of the greatest utility. Nothing in recent years has done so much to solve the help problem and advance the efficiency of the farmer as this little general utility engine. Its size and power can be adapted to any needs and its cost compared with its efficiency has placed it within reach of most farm

Not only is it of immense value in doing the farm work but its real worth as an household assistant has never been fully estimated. Here is where it is needed. The farmer buys the modern machinery with which to do his work because, under modern conditions, he must have it in order to stay in the game.

With the housewife it is different. She does her work in the same old way and with the same old tools. She does not get a square deal and the little gasoline engine which fills the water tank, runs the separator and does the washing is a greater boon to her than to her husband.

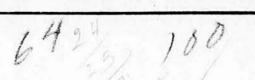
The household work and responsibility on the present day farm is a heavy one even with the help of all modern conveniences but without them they are terrific. The little gasoline engine will do more for the farm housewife them for any other farm housewife than for any other even if it only supply running water in the kitchen.

JE JE A FAIR DEAL.

A correspondent suggests that it seems strange to him that the one occupation which is of first importance to the welfare of humanity is so poorly paid as compared with others. itself depends upon the labor of the farmer, and yet those who produce the luxuries only derive a much larger profit for their labors than does the farmer to whom we must look for the necessities. It is probable that this country could get along fairly well with less than half of the other occupations, but we could not live one year without the farmers.

As the years go by the country depends more and more upon the farmer, not only for the quantity he produces but also for its quality. Food products are much higher in price, and yet the cost of production eats up the margin of profit which should go to the farmer. It is doubtful if the farmer is really making more than a fair interest or his investment of le fair interest on his investment of labor and capital, or that he has ever done so, and it is sure that in the earlier history of the country and down to within recent years, he barely made a living. Our correspondent is right in supposing that the times are out of joint in some degree when complaint is made about the very moderate profits which the farmer makes when others grow rich in the manufacture or production of things that are not necessities.

The Western Kansas Farmers' Conference will hold its annual meeting at Hays on June 7-8 for the second time. Last year there was a very large attendance from all over the western Kansas counties and this year the meeting promises to be even greater. The conference is under the direction of the Agricultural College and Experiment Station and is a most important event. The Topeka Com-mercial Club will send delegates.



Water System For Farm Hom

The keeping of the boys and girls on the farm is one of the pertinent questions of the present day. It has been suggested that one reason for the desire for city life is the comfort of the homes due to what is commonly termed "modern conveniences." Conditions in Kansas are rapidly becoming such that the farmer can and is placing these conveniences in his home thereby adding city comfort to his blessings of fresh air and freedom.

The most vital necessity to the establishment of the modern house is an abundant supply of running water. This can be installed for a much smaller sum than is usually supposed. In this as it all things, however, one must pay for luxuries but simple comforts are inexpensive.

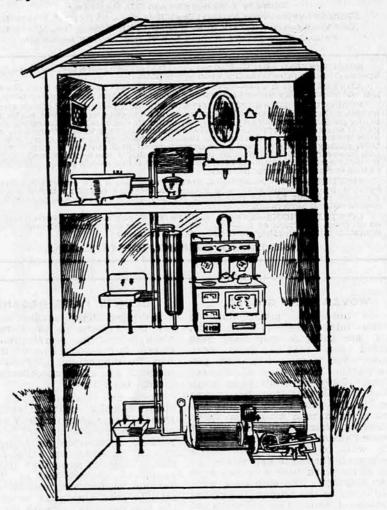
Water for country homes is usually obtained from springs, wells or cisterns. Where a spring is the source its location is often such that no power is needed. For the well or cistern a pump must be resorted to which can be operated by hand, by windmill or by a gasoline engine, depending on convenience and circumstances. On many farms power is already installed for the purpose of supplying water to the stock, and in these cases a large portion of the expense of furnishing water to the house is eliminated.

In every case to do away with continuous pumping a storage tank of some sort is used. Today, because of its many advantages, the air pressure system has almost entirely superseded the elevated outdoor tank or the attic tank. The storage tank being air tight is free from dust or contamination. The water is aerated an therefore kept from becoming foul from long standing. The tank is located in the basement or ground and is therefore out of sight, there is no danger of damage to the house from leakage or other accident and there will be no frozen tanks, water being furnished at a nearly even temperature regardless of season.

The principle underlying its opera-

The principle underlying its operation is that of forcing water by compressed air. The tank is constructed air tight with an inlet pipe and also a supply pipe opening from the bottom. The tank is full of air. When the tank has been pumped half full of water, the air which originally filled the entire tank is compressed into the upper half of the tank and To Live or Merely to Camp Out On Your Farm, is the Question

By PROF. ULA M. DOW. K. S. A. C.



exerts a pressure upon the water driving it into the supply pipe to the desired height. There is continually some slight absorption of air by the water and this gradually reduces the air cushion and therefore the efficiency of the tank. To prevent this a special combined air and water and air only when desired is used or there may be an automatic valve on

pump which pumps water at all times the pump which regulates the amount of air in the tank.

For the ordinary country home where the pumping is done by hand or by the windmill a tank which will deliver 200 gallons without refilling is sufficiently large. Where an engine does the pumping it is sometimes better to have a tank large

enough so that the pumping he done only twice or three the week.

week.

Eliminating the cost of porfollowing prices taken from a ted list gives a moderate estimate a kitchen outfit. The amount

a kitchen outfit. The amount is only approximate depends the location of the system:

One air pressure outfit inches in diameter by long, capacity 295 gallons de 200 gallons; 1 air pressure registering 60 pounds; 1 sks gauge; brass valves, galvanis and pipe fittings, \$59.50. On roll rim enameled sink size 11 inches with 18 by 24 drawbos 12 inch back. Nickle faces trap, \$12. One galvanized boiler, capacity 30 gallons, \$5 enameled one-piece lavatory nickle faucets, trap, pipes and to floor, \$9.55. One hundred havanized pipe 114 inches at 34 per foot, \$8.75, making a h \$95.55.

If it is desired to add to the room equipment, the following are given:

One piece enameled law above \$9.55; 1 syphon jet clos cistern, nickle fittings to floor, 1 porcelain enameled bath inches wide, 17 inches dee, long with nickle fittings till feet galvanized pipe as abon which will total \$51.30.

The total cost will then be for kitchen outfit with tank a bath room equipment.

The most satisfactory medisposal of the sewage is by face irrigation though surface irrigation though surface irrigation though surface tion is much less expensive is a double chambered flush tank as the first chamber holds in matter for decomposition and not then obstruct the tile. It ond chamber receives the light discharges it intermittently phonage into a series of operal laid from 8 to 12 inches be ground. The cost of material tank as given by Elmina T. W. U. S. Bulletin is \$51.61. The a gate valve to control dispose sewage to different plots is 4 inch tile 4½ cents per following the seximate would total the entitle at approximately \$200, small cost and soon paid for time saved the housewife matted at its proper value.

Economy Of Farm Water Syste

Water is one of nature's most bounteous gifts to man. It is so plentiful and of such daily use that it becomes a matter of course and is rarely noticed except by its absence. It comes in contact with our daily lives more closely and more constantly than any other product of nature excepting only the air we breathe. It is a necessity without which all farming operations would cease, all commerce stop and life itself become impossible.

Water is nature's most universal solvent. It will dissolve more substances than will the acids, alkalines or alcohols and will retain in solution substances that are both beneficial and toxic.

It is necessary to the germination and development of both animal and vegetable life and of germs, spores and entozoa which may make for their welfare or destruction. Because of these properties water is more easily contaminated than most substances and the spring which bubbles from the hillside or the brooklet which trickles through the wood lot may sparkle in its crystal clearness and yet be saturated with dangerous minerals or teeming with the germs of typhoid.

How many cases of declining health or mysterious disease might be traced to an impure water supply may never be known, but we now know more about it than we did. In Kansas, which is largely a limestone country, the water is said to be "hard" and chemicals are sometimes needed to make it readily available for laundry purposes. To such water is also

traceable certain derangements of the digestive apparatus, particularly if it be classed as "alkali" water.

Because of its solvent qualities water is valuable for cleansing purposes and one of its most common and necessary uses is in the household. Man may live without water except for drinking purposes but civilized man cannot and the higher the degree of refinement attained the larger need for a pure and abundant supply of water.

Because of its very commonness the value of water has been too frequently overlooked. Its necessity is recognized and some provision made for a supply but this is too often but the bare meeting of a demand which cannot be evaded.

No farmer but prides himself upon the possession of a good well and yet too many of them are content to pump from it by hand and carry by bucket for household use. Even when a windmill is installed it only too often does duty in pumping into one nearby tank for stock water and thus leaving the domestic supply to be provided for by the "bucket brigade."

Another consideration of serious moment is the location of the well and its freedom from danger of contamination through surface drainage or seepage. This is a matter that can be easily taken care of but which is too often neglected. Convenience of location has been the first consideration and the direction of the surface drainage or the porosity of the subsoil has received but secondary considera-

tion though both are important.

After pure water is supplied in abundance the next most important thing is its accessibility. How many hours have been spent each week, year in and year out, in the pumping and carrying of the water necessary for household use? These mount into months and even years during a long life on the farm. And how useless it all is in many if not most cases, because it is labor which might have been saved by the expenditure of only a few dollars. Maybe a hundred, or even a thousand, dollars looks like a big amount to spend for installing a water system in the kitchen but think of the labor it saves, both winter and summer, and then remember that most of this labor has to be done by the women and children of the household. Those least able to bear it have this heaviest burden, not because it is necessary nor because we would not have it otherwise, but because other matters press and it is postponed.

But recently a noted and public spirited woman of Kansas undertook to learn of the comforts and conveniences possessed by the women on the farms of Kansas and Oklahoma and in doing this she sent out a number of questions to be answered by them. Among these questions was one which sought information as to what was most needed to better their condition. There was considerable variety in the replies to other questions but to this one there was a startling sameness. A large majority answered it by stat-

ing that running water in the was the one thing most needs

With such a system, propostalled, several important obsequences and their relief and their relief arrights of the drudgery.

With such a system, propostation of the water is kept may from possible contamination livered in the house in good of for drinking purposes. It is ered under pressure which wantages that can hardly be lated in the saving of back is work; the exposure to changes of temperature to the configuration of the hand pumply availability for all housely poses, as well as fire protection the comfort and satisfaction the comfort and satisfaction of the hand pumply availability for all housely poses, as well as fire protection the comfort and satisfaction the comfort and satisfaction that the comfort and satisfaction in the comfort and satisfaction that the comfort and satisfaction is not the drudgery.

This is not the drudgery of of weeks but of years from freedom is sought and which bought for the price of one or a litter of pigs.

If the safety of this nations republican form of government in the wholesome characters ity of its landowning farmers foundations of our prosperity upon them and their success; uncounted millions which they our national wealth each pends upon their modern method machinery what shall be said women of the farm?

Are they, too, not entitled share of modern life. In this conservation let the conservation first.

Birds And Horticulture pean partridges and Chinese ints are being introduced into every state in the Union and in

Pleasing and Pleasant Avocation For the Poultryman and Farmer

By PROF. L. L. DYCHE

ing spent in importing these Colorado, Nebraska, Iowa, Mis-Illinois and Oklahoma, states ing on or near Kansas are buying pheasants or have large buying pheasants or nave large or state pheasantries. Kansas o in the past few years invested thousands of dollars in pheas-nd partridges. Magazines and from the Atlantic to the Pacific ll of pheasant talk and litera-Agricultural and horticultural es and their reports and publiare discussing pheasants and an partridges, and in many in-, are advising that these birds

red on farms and in orchards. t the only native game birds w make their homes in and orchards are quall and turtle The habits and economic of these birds are well known

instances thousands of dollars

iculturists. s only been within the past few that any considerable interest en shown in different parts of entry, over the importation and of such foreign game birds as and Chinese pheasants and an partridges.

ral varieties of pheasants have rought to America from Europe ia. The two most common are inese ringneck and the English. ninese ringneck pheasant has a white ring around its neck, just the irridescent green and just the various shades of red and where the neck joins the body. is generally called the English nt, does not have this white out the neck.

agers of game preserves, sports-organizations and game warave during the past few years many efforts at importing and pheasants with varied degrees tess. The most marked degree ess has been attained in Oregon since 1892 there has been a sufnumber of these birds, particu-the Willamette Valley, to al-open season for sportsmen. as aroused a new and general t in the matter, especially sportsmen, all over the countary private pheasant establish-sprang up in Oregon to meet mands for eggs and birds for g purposes, and in the year 109 pheasants were shipped to 09 pheasants were shipped to stributed among twenty-two difstates. Since that time private ntries have been established in

other states that have been doing a

thriving and profitable business.

For about a year I have been giving some special attention and study to the pheasant business in the country, especially in Kansas, not knowing just when I might be called upon by those interested to establish a pheasant hatchery in connection with the State Fish Hatchery. A great number of letters have been received from farmers and horticulturists asking for in-formation about these birds, and many persons evidently with ideas about starting in the business, have asked for birds or eggs.

I have never raised any pheasants but have raised chickens and other domesticated birds since I was a boy. In connection with my study of the subject of pheasants, I have taken oc-casion to visit a number of game propagating plants and among them some of the best private preserves and hatcheries in the country. One of these was of more than one hundred acres at Oak Park, about fifteen miles from Chicago. I spent a good part of a day at this farm. Everything about it had the appearance of being managed in a business-like manner and I left the place where several thousand pheasants had been raised during the year, pretty well convinced that the parties in charge of the plant knew how to raise pheasants. In this pheasantry there were several varieties of the birds and all had plenty of room and were raised and kept in open fields where there was a good growth of grass, clover and other vegetation. The entire establishment was scrupulously clean and the birds were han-dled and cared for by experts and were healthy and strong looking in ap-

The Hungarian or gray partridge of Europe is another foreign bird that is being introduced quite extensively into the United States with the idea of making it a good citizen. While it is called the Hungarian partridge, it has a wide range that extends over many parts of Europe. The bird is about one-third larger than our native bob white. At a distance of from twenty-five to forty yards the color of this bird does not seem very different from that of bob white, but closer inspection shows that the shades of

spection shows that the shades of brown in the Hungarian bird are more pronounced, being brighter and deeper on the head, sides of body and back, with stripes showing a tendency to run around the body rather than lengthwise, as in bob white.

Since July 1, 1900, over 50,000 of these birds have been imported at a cost of about \$150,000 for introduction into American fields and forests, principally, with the idea of stocking game localities and preserves; 40,000 of these birds were imported during the years 1908 and 1909; twenty-two hundred of the number being turned hundred of the number being turned loose in Kansas by the Department of Fish and Game. Those turned loose in Kansas seem to have disappeared from the country; at least no reports have been received showing that they have made a showing in any part of the state.

The history of the many efforts to rear ringneck pheasants and Hungarian partridge in the United States does not lend any very great encouragement to those who are thinking of the pheasant and part and part and presents in the pheasant and part a engaging in the pheasant and part-ridge rearing business. Many of the birds that have been turned loose are known to have mated, built nests and hatched young, and from nearly every locality came early reports of the success of the ventures. However, in the course of a few years, discouraging reports would follow and most of the experiments seem to have turned out

A very careful study of the life history of any species of animal or plant should be made to determine its habits and characteristics and its wouldbe relations to the new environment before it is given a chance to become a part of a new country. I can see no reason, however, why the ringneck pheasant should not have a place in our country. The fact that it is a large fine game and edible bird would be a sufficient guarantee in itself that it could never become so common as to be unwelcome in a country where game birds are gradually decreasing in number and where the number of hunters with rapid fire guns is rapidly increasing.

As regards the Hungarian partridge I am not so sure about its relation to

our forests and fields. It is a somewhat larger bird than the quail, but I cannot see wherein it would be any better. The habits of these partridge as insect and weed seed eaters are not so well known, at least what they would be in our fields and orchards where conditions are different from those found in their native haunts. If introduced, being larger than our quall with a reputation of being pugnacious, they might supplant bobwhite, a bird that we all know to be one of the very best weed seed and insect destroyers that any country has ever produced, and as game and table bird unexcelled by anything of its size in any country. in any country.

Over 5,000 ringneck pheasants, as before stated, have been liberated in Kansas. According to reports these birds were sent to about one hundred different counties, as a rule, ten pairs at a time going to county clerks for distribution. A very considerable number of reports have been made to the present Fish and Game Warden on these birds, nearly all of which are discouraging. In fact, no single place has been reported where the pheasants have been considered a success. A few straggling birds are still in the state and a few nests have been seen and young birds observed.

and young birds observed.

The writer has not had as much of an opportunity to study the birds as he would like. There are a few in the neighborhood of the fish hatchery at Pratt. I saw eleven one day last fall and seven is the most I have seen any one day this fall though I have recently tramped up and down the valley for two days with an engineering party. I have studied their habits as far as it has been possible to do so under the circumstances. A field glass aided very materially in examining the birds in their haunts. They ing the birds in their haunts. They spend considerable time out in the open meadows and seem fond of mowed alfalfa, and those in the neighborhood of the hatchery, especially in the fall and winter season seek Kafir corn fields for forage grounds. Fol-lowing their tracks on days after light snowfalls and studying their runways, revealed a good many little things about their habits.

In order to care for pheasants it is very necessary to know about their habits in their native country, especially during the winter months. They are said to live on high cold grounds in China and to be able to adapt themselves to different climates, even the lowlands near the sea. The birds around the hatchery did not seem to mind the cold and snow.

Vater Supply On A Stock Farm

ted on the banks of the White-river, in Butler county, is the House" and other buildings of the largest and most widely farms in the state of Kansas.

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larms in the state of Kansas.

ding about 12,000 acres, a large
of which is bottom land and
into separate farms each one
ch is completely equipped and
ed as a unit, the Whitewater
stock Farm may be taken as an
ation of successful farm mantion of successful farm mannt in a number of different

blished more than a quarter of tury ago, the owner first at-attention by fixing a rule by he sowed 100 acres of land to each year. The farm now connore than 2,500 acres in alfalfa. le each separate farm is under anagement of a resident superent the whole property is une general supervision of the who, of necessity, must employ number of men to harvest his se across acreage of alfalfa and other The management of a busiroposition of this kind demands and this has been one of the s of this farm in all its and one of the most conspicuous

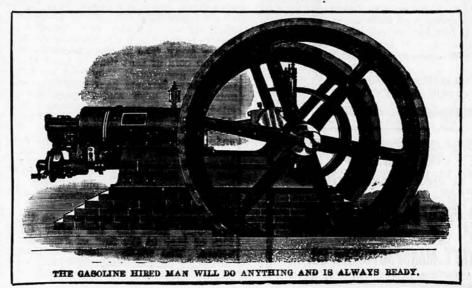
every provision had been for the comfort of the owner soperatives and their families, modern and up to date equip-in the way of household con-ces was installed. This was te to any perfect or lack of ape to any neglect or lack of ap-

preciation of their value, but simply to the fact that what we now known as modern equipment did not then exist. Formerly water was supplied by means of a wind pump through a standing tower to the household and to the barns and feed lots. Now, it is supplied by means of gasoline engine and pump through a compressed air reservoir, which gives vastly better service and in emergency a sufficient

pressure for ample fire protection.

The owner's house contains fourteen rooms, each one of which is supplied with hot and cold water where

desired, as well as the several bath rooms, the kitchen and laundry. The water is heated by means of a water front on the kitchen range and has proved very satisfactory. About forty to sixty pounds of pressure is found to be sufficient for all ordinary purposes. The compressed air tanks are located in the basement of the house and have a capacity of 1,500 gallons. From these radiate the pipes which supply the entire household, the different barns and outbuildings and the hydrants in the lawn and farm yards for sprinkling purposes.



This complete equipment, including all plumbing, stationary wash tubs, sinks in the kitchen and laundry, bath rooms and toilets complete, the piping to the barns and the hydrants cost less than \$1,000, and the owner states that he would not do without it for three times the cost if it could not be replaced for less money.

The owner of this property feels a degree of security and satisfaction in his present water system which he has not heretofore experienced and, with the large amount of money invested in his splendid residence and great horse barns, the protection from fire which is now assured, together ith the convenience afforded by this system, is well worth all of the money that has been put into it.

The house is also equipped with an acetylene gas plant and this, together with the good road which is main-tained between the house and the railroad station, the long distance telephone and the rural mail delivery serves to give him all of the conven-iences of city life combined with the satisfaction and pleasure of a residence on his magnificent estate.

The water for this system is supplied from a deep well from which a very pure supply is drawn. It is protected beyond any possibility of con-tamination either from surface drainage or seepage and the equipment is thus briefly described in order to show that the convenience and safety afforded has been bought at a very small cost.



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E FARM



Name Your Farm.

I saw in a recent number of KAN-SAS FARMER that we could get our farm names registered. Will you please inform me where and how I can get this done as I wish to register my own?-E. B. Lear, R. 4, Stafford,

Under the provisions of this law any farmer can record the name chosen for his farm by the payment of \$1 to the county clerk of the county in which the land lies. When this is done he has the exclusive use of this

name in that county.

If his farm should lie in more than one county it would be necessary to register it with the county clerk of each. No one else would then have the right to use the same name in the same county but could use it in another.

There would seem to be many advantages in having a distinctive name for each farm as it affords a sort of trademark for anything that may be sold therefrom and this trademark stands, or should stand, for quality. With the advantage of the exclusive use of a farm name in your county it is comparatively an easy matter to build a reputation for quality of product which will have a distinct market

The stationery used for both business and social correspondence should bear the name of the farm and may also show the picture of the home, a farm scene, the portrait of the owner or of some animal. In either case it gives identity and inspires a pride of possession.

A Kansas Round Barn.

I will try to give you particulars of my round barn. It is 48 feet in diameter, 46 feet from ground to top of cupalo, covered with drop siding and the dimension stiff is 2 by 6. The sill is 2 by 2 by 6 with the joints broken. The plate is 1 by 2 by 6 with strap iron to tie joints. Eighteen foot studding, 18 foot first riser of roof and 16 foot second riser of roof.

Driveway through barn is 8 feet wide. Two feed bins with a capacity of 200 bushels each, stall room for 21 head of horses, concrete foundation and a hay mow capacity of 50 tons with a self supporting roof. I find this a very practicable form and size for a barn.—Wilbur Opdyke, Russell,

Information in regard to construction of farm buildings is helpful to our readers, many of whom come in contact with building problems each

Such information is always acceptable by Kansas Farmer, but might prove even more valuable if it were accompanied by photographs and a statement of cost of the building. We hope that others of our readers will send such information and such photographs of farm buildings or farm scenes as may be possible.

Cow Peas or Canada Peas.

I notice in a recent paper an inquiry from a Kansas farmer as to why his cow peas did not grow when planted in late March. You are aware, of course, that cow peas must be planted late in the season if they do plant cow March is the same as throwing one's money away. The ground and weather are too cold at that time to allow the peas to germinate; they will simply rot. These farmers have undoubtedly gotten cow peas and Canada peas mixed. Canada peas can be seeded in late March, with oats, to good advantage. The extension department, I understand, is recommending this practice—that is, Canada peas and oats-and I dare say some of the farmers are endeavoring to carry out these recommendations but fail to reognize the difference between ow

peas and Canada peas.

We will plant our cow peas on the agronomy farm any time after the 20th of May to the first of June, not before. The whole mason why this inquirer's peas and anot grow was because of the weather conditions; it

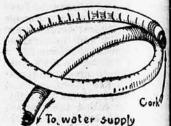
was too cold. Cow peas should he be planted in Kansas earlier than 1, and preferably not earlier than 15th.—W.M. Jardine, Professor Agronomy, K. S. A. C.

It Is Fun, Anyway.

When coming in, hot and see from the field, how good it would to take a plunge in the creek or a under a shower bath for a few utes. New life, a new appetite general glow of good feeling is the mediate result and a more than frame of mind results.

The swimming pool is not generavailable but some makeshift can erally be resorted to that will as the purpose. At any rate, this is one young farmer "got his" and t not cost much either.

He took a piece of rubber ga hose, plugged up the end and cut in it at 6 inch intervals. He tied the hose in the form of a ma go over his head and coupled to



the water tank and the job was The tank stands close enough so a corner of the buggy shed is used the bath room. The dusty and so overalls and shirt are thrown ask shower taken and another suit do before going to the dining room few cents in money and a few mill time has brought him pleasure, of fort and health that he would not do without.

Soy Beans Will Fit In.

What are you going to do with piece of ground you didn't get n for corn? It will not pay to let h idle this summer. Why not plat to soy beans? This crop will good hay but is better for solling silage. It makes excellent pastur hogs and these silages in the solution of hogs and sheep, yielding from 5 tons of green forage per acre.

The soy bean is a legume, and nutritive value is equal to red As a soil improver it is excel. This plant will grow on a wide riety of soils, but the richer the the larger the yield of forage.

pare the soil the same as for a
Drill the soy beans in, from \$\frac{9}{2}\text{pet}
a bushel and a half of seed pet
after corn planting time. The
ier seeding is where the crop is \$\frac{9}{2}\text{for hav or pesture.} \text{A common} for hay or pasture. A common can be used with the oat feed of and enough of the holes stopped and enough of the holes stopped to the ho give the proper distance bet

Cultivate the soy beans we weeder before they come up. the rows are wide enough apart the cultivator. When the cry grown for seed, several cultivations about the cry several cultivations.

Harvest soy beans intended for as soon as the pods begin to form silage, let the plants come as new turity as possible without their leaves. But in the silo their leaves. Put in the slo corn. When intended for seed, vest before the beans are main they will shatter badly. Handle

the dew is on.

Use an ordinary mowing may with a side delivery attachment cept where intended for silage, the self binder makes the best at the self binder makes the best at the best of the self belong the beauty bundles being the beauty bundles beauty bundles being the beauty bundles being the beauty bundles ment, the bound bundles being earment, the bound bundle as little possible. Leave in the swath cooks two days, then put in small cooks til cured. For thrashing the seed ordinary thrashing machine blank concaves

There are a number of good ties of soy beans that your dealer about soy bean you need a catch crop or a gubs you need a catch crop or a gubs crop, try soy beans.—T. i. When

be Department of Agriculture has red that the manure from a 1,000 ad steer is worth \$20 per year in lity value. Kansas has 1,273,641 cattle according to the latest figand this by produce should represent \$37,572,820 each besides that available from other ses of stock which has a proporate value. Surely, this is an item h saving.

Silo for Beef.

speaking before the Indiana Cat-Feeders' Association at its recent ting Dean Skinner of the experit station said that his station had cattle at a profit for six years and oing this had used scientific methoing this had used scientific methin an effort to produce beef and
at a minimum cost. In all of
e tests silage was used as a supnental feed and the practical
er who follows this method can uce beef cheaper than by any r means.

Kansas Farmer of May 6, I not a very able article on "How I le Hogs," by J. G. Arbuthnot, Kansas. Now, all hog raisers not the ability nor the means Mr. Arbuthnot has, but we can t by the instruction he has given. t by the instruction he has given. owever, I think Mr. Arbuthnot left rong impression about the Poland as. He says: "Some of the hogs ed twins and occasionally one of triplets." I wish to give my rience. I had one Poland China that farrowed nine pigs in her litter, eleven in her second and ve in her third litter. Eight of pigs I fattened and sold when they eight months old and they avereight months old and they aver-256 pounds, with no extra care ed, being fed only on weeds, corn water. Their dam I will admit an exceptionally good brood sow, they generally average eight pigs he litter, and you can get them market when they are 8 to 10 ths old.

have also had a little experience the Duroc Jerseys with only ? I pasture to run on. I tried them three years and it took so long a and so much corn before I could them into market that I went again to the Poland Chinas. The c Jersey may be all right when a on has plenty of alfalfa pasture hem to run in, but for the west-Kansas farmer who has only a I pasture or none at all, and who has to buy corn at fifty cents e dollar a bushel, I am confident he will make more money with Poland Chinas.—W. E. Brintnall, den, Kan.

Hold the Soil Moisture.

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every farmer were compelled to and pour over each acre of his over 200 barrels of water per he would gain some conception le amount of moisture evaporated an exposed, uncultivated soil, at season of the year. This evaporition of the soil, weather, loca-etc., but under average condithe sun and wind are rapidly ing from the soil that moisture h will be needed later in the sea-for crop growth. It is just like ing dollars from the farmers'

ow is the time to prevent this Soil moisture is valuable. Past rids show that an inch of rainfall aly means \$5,000,000 worth of corn he state of Ohio. While farmers not make an inch of rain fall in they can corry an inch of soil they can carry an inch of soil ture over from May until July, that means the same thing.

inch of rainfall means 113 tons scape at the rate of 200 barrels day, it will require only four days see the entire inch. Every farmer fails to prevent this evaporation sing his share of that \$5,000,000. You one of the losers?

Ow can this evaporation be pre-

bw can this evaporation be pre-ed? By cultivating the soil. Keep Surface of the soil in a fine, loose lition. Follow the plow with the low. Harrow the cornfield before corn is up; after it is up, cultivate n enough to keep a good soil ch. Don't be stingy with the use a mount of moisture in the soil spring is below normal. Moisture

spring is below normal. Moisture sential to maximum crop produc-

nserve your soil moisture. Do it A. B. Graham, Ohio.

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disarranged! Hopes defeated!

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If there is no De Laval agent near you write us direct for any information you desire, and with the height of the dairy season at hand by all means don't delay prompt action,

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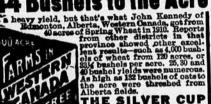
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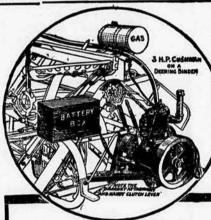
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What a lot of work is needed b work out of a scrub, whether me beast. How easy it is to sell t animal and how difficult to

The Advance Registry of the la ican Ayrshire Association report cows and heifers admitted to reor this class. Of these one has thirty-seven two year olds avena the year, 7,597 pounds of milk, pounds of fat, equal to 358 poun butter. Sixty-five three years old eraged for the year, 8,798 poun milk, 349.57 pounds of fat, equal 407 pounds of butter. Forty-fire year olds averaged for the year, pounds of milk and 377.45 poun fat, equal to 440 pounds of butter, hundred sixty-three five year old hundred sixty-three five year old over averaged for the year pounds of milk and 401.42 pound fat, equal to 467 pounds of butter, whole number of four hundred teen cows and helfers avenge the year, 9,075 pounds of min 358.42 pounds of fat equal to pounds of butter.

Butter Makers' Contest The second bi-monthly scoring test of the Kansas butter makes held at the dairy hall at Man May 1. The scoring was done by F. L. Odell. He commented we vorably on the workmanship desired. butter.

We have still to contend with matter of improving the quality raw material. In this particular are hardicapped more than se the larger dairy states, because ing is almost wholly carried a side line. However, it seems to men who are regular contestant doing a great deal toward imp

the quality.

Following are the men who

above 90: Mr. W. Engle, Acme Creams sociation, Abilene, 90 per cent Jonas Beltz, Durham Creamen, ham, 91 per cent; Mr. George sen, Deer Creek Creamery, Mr. 90½ per cent; Mr. N. O. Nelsa tinental Creamery Co., Topela per cent; Mr. J. A. Beckman, per cent; Mr. J. A. Becamas Schwier, Great Bend, 90 per cent. A. A. Oswalt, Jensen Creams Junction City, 90 per cent.—Pr W. Rudnick in Charge.

The Dairyman and His Busin The dairyman, the man belia cow, has a business that's of a importance to mankind as almo business under the sun, says in sey Bulletin. He produces a that goes a long ways toward the world. He takes a natural uct from live animals and dos mane business to make a living different from the beef business the animal must be killed below ple can obtain the benefits of food.

The dairyman can do busine The dairyman can do busine back in the country, or closs city; and his profits are large pendent upon his good just business ability and the amore energy he puts into his work must select good cows and treat right, and they will respond in measure. Then as to his to ability—he needs to be well ability—he needs to be well in business methods in order tain the greatest success, work, in a way, is similar to wurk, in a way, is similar to wurk are his machines, and it is their owner to utilize them to the advantage. advantage. The dairyman is a as well as a seller. He has jet dairy supplies to buy, and not only look to quality but p

In the disposition of his production as regards transpol facilities to market, will to a function to the constant of the const tent, determine how the con uct shall be disposed of the shape of whole milk at re wholesale, sweet cream or butter should have little trouble in ing of the product in any for negative to the product of cream pecially in the shape of cream pecially in the shape of cream ter, and if he is particular about a quality it will bring the price, and often better. The for good dairy products is crowded, and this is one factor that makes the dairy be a good business for knows how to run it. knows how to run it.

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Alcohol is good for cleaning plano keys. Moisten a cloth with it and go over the keys, being careful not to get any on the woodwork, as it will injure the finish.

It is said that a slice of lemon put into the boiler when boiling clothes will make them beautifully white and remove stains in handkerchiefs and little dresses. Remove the rind and cut the lemon into slices and let it remain in the boiler until the clothes are ready to come out.

Goo! Porch Pillows.

Save all blue grass clippings from the lawn, being careful not to rake deeply, so as not to get any of the dead leaves or sticks. Leave in a loose pile in the sun for several days, turning them often, and when dry they are ready for use in stuffing pil-lows for the porch. They are as light in weight as hair cushions and much in weight as hair cushions and much more sanitary. They have a delightful odor as of new mown hay and are cooler than any other kind for hot days. When planning a camping trip, a tick filled with dried grass is an excellent addition to the list of furnish and for summer cottages it is ings, and for summer cottages it is just the thing.

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ing and solid embroidery. Stamped on 21/2 yards linen \$1.75; stamped on 2½ yards of Persian lawn, \$1; per-forated pattern, 25 cents; transfer pattern, 10 cents.

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Simplicity and comfort combine to make this garment attractive and pleasing. It will not take long to dedevolp this neat little dress, which may be made with or without the flounce portion. A shaped facing trims sleeve and round yoke edge.



The pattern is cut in 4 sizes: 6 years. It requires 3 yards of 36 inch material for the 4 year size. A pattern of this illustration mailed to any address on receipt of 10 cents in silver or stamps.



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grade of alfalfa from stack made a gain of only one pound per day. Kansas City market is paying from \$8 to \$10 per ton more for No. 1 alfalfa than for No. Write us at once and we will show how you can have No. 1 alfalfa

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OULTRY

Plenty of pure water should be kept before the fowls at all times. If this is not done the chickens will drink dirty water from holes near manure piles and cesspools and thus become subject to disease and death. It is much easier to prevent disease by keeping the source of it away from the fowls, than it is to cure it after it once becomes epidemic among the

Filth and lice are two enemies that the lovers of good poultry must al-ways be striving with, for they kill more chicks than all other deleterious forces combined. If perfect cleanliness exists around the coops, houses and yards, with no lice to both the chicks, mortality among them will be a very scarce article. The more chicks there are kept together, the more necessity there is for keeping them and all their surroundings clean and free from lice.

Years ago there used to be a big demand for egg preservatives, some-thing that would keep eggs in good eatable condition for five or six months, but with the advent of cold storage houses, this demand is almost entirely done away with. A few farmers' wives may put down a few dozen eggs in salt or waterglass to keep till eggs are scarce in the winter time, but they are getting fewer every year, for the farmer can put away a case or two of eggs himself in a cold storage plant for a very little outlay and get them when his hens are not laying. Much derision has been poked at cold storage plants, but they have been a good thing for the dealer in eggs, providing him with a good mar-ket when eggs are plenty. Eggs were never so high in the old days before the cold storage plant came into existence, for the farmer was obliged to sell his eggs at whatever price that was offered for them as he had no means of keeping them in good cou-

Complaints reach us from buyers of eggs from thoroughbred stock, that the chicks do not resemble the color of the adult fowls, and must therefore be from impure or mixed stock. We have repeatedly explained that the eggs from pure bred fowls invariably throw eff-colored chicks, and are rarely the color of the adult fowls till they are several weeks old. Chicks from White P. Rocks and White Wyandottes are often quite dark in color, but when they are five or six weeks old become perfectly white. Chicks from Black Langshans and Black Minorcas come quite light in color but turn perfectly black with age. Amateurs are very loth to believe this and if chicks are not exactly like the adult fowls they think they have been swindled by having scrub stock thrust upon them. But this is not so, and if they will only be patient till the chicks mature they will be convinced that the stock was purebred. We would not mention this at this time, were it not for the fact that we have received complaints from three or four persons, denouncing those whom we know to be perfectly reliable breeders as swindlers.

A Good Record. Fred Kohler, Jr., of Goodland writes: "In reference to the eggs laid by the pens of Mrs. J. T. Martin, I have hens that can beat her record and are Rhode Island Reds. I had 60 hens in March, 1911, that laid 1,283 eggs. March 1910, 50 hens that laid 1,077. According to the number my hens are the best layers; hers laid in March 3,198 eggs with 160 hens. have also 5 hens that laid 109 eggs in 32 days; 5, 21 eggs in 5 days; 5, 27 eggs in 7 days; 3, 18 eggs in 6 days; and three that laid 41 eggs in 16

We are always glad to receive reports from our readers and especially welcome are reports of exceptionally good layers and good hatches and successful raising of chicks, but we would like to know the methods used to get these extra good results so that those of our readers who are not so fortunate in raising poultry may be benefited by the experience of these successful ones. Don't be selfish about the matter, but let your light shine so that all may benefit thereby.

The pure bred scrub is about as disappointing as a towel with a hole



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FIELD NOTES.

Pemberton's Big Poland Chinas.

Pemberton's Big Poland Chinas.

The card of J. M. Pemberton of Fayette, appears in this issue of Kansas Farmer. Mr. Pemberton is one of Missouri's progressive Poland China breeders who believes that it takes size combined with good quality to make a first class hog and for the past six years he has been breeding to that end and, as a result, has one of the highest class, big bened Poland China herds in the country. He has at the head of his herd a trio of very fine boars of the fedal big type. Expansion K. sired by Expansion C., that weighed 760 pounds at 2 years old. Missourian's Best, sired by Missourian, he by Missouri Chief. dam Fiora Bell, she by Budwelser, and Chief Wonder by Blain's Wonder is another of the big ones of the high class kind that is also proving a very fine breeder. Mr. Pemberton's sow herd is one that all Poland China breeders will appreciate. They are without exception the big boned Polands and of the class that breed the show hogs. Blain's Wonder, Long John, Orphan Chief. Budwelser, Mogul's Ex., Big Hadley and Brandywine sows make up this herd and every one of the lot has been selected for class and prolific qualities. Mr. Pemberton is offering a number of high class fall gitts sired by Missouri's Best and Expansion and bred to Chief Wonder for September farrow. Mr. Pemberton also has about 100 very fine spring pigs sired by Expansion, Missouri's Best, Orphan Chief and Johnson's Wonder. They are a splendid lot and breeders wanting the big, smooth Poland Chinas should investigate Mr. Pemberton's herd.

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2, 1911, one bay stallion; weight 600 lbs.;
chite star on forehead. Appraised value

E. Bixler, County Clerk, Kearney County.
TAKEN UP—By D. W. Clem, Lakin, Kan., one mare, dark bay, no marks or brands.
Appraised value \$50. Also one mule, female, no marks or brands. Appraised value \$50.

Ernest Ellison, County Clerk — Wallace
County.
TAKEN UP — By J. M. Finley, Sharon
Springs, Kan., April 18, 1911, one mare,
gray; weight about 1200 lbs.; V on left
shoulder: appraised value \$75. Also one
mare black, weight about 900 lbs.; 4X on
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abot; nimals 8 years old and in foal.

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FIELD NOTES.

Aery Brothers,

A short visit at the home of Aery Bros., Solomon, Kan., reveals the fact that this firm has quite an extensive knowledge of breeding and type. They own one of the best equipped hog farms in their part of the state and breed a type that is alwyas in demand. They have about 60 good spring pigs sired by their boar, Mogul, winner of first in class and junior championship at St. Joseph and Missouri State fairs, 1910. The gows in the herd are the big, motherly, well finished kind.

Enos Always Has Good Ones.

Encs Always Has Good Ones.

One of the Poland China breeders who always has something good to show visitors is A. R. Encs of Ramona, Kan. Mr. Encs is one of the old-time breeders of the state and has made a real success of the breeding business. Knowing how to select and mate and with skill to grow out pigs it is no wonder that the Encs kind are always in demand. Mr. Encs has an unusually fine lot of pigs sired by his great Hadley boar, Nox All Hadley, the best living son of Big Hadley. He has selected October 18 as the date for his fall sale and will have a choice offering, as he always does.

The Bowser Kind of Polands.

One of the successful Poland China breeders of Kansas that is visited regularly by the writer is Mr. J. E. Bowser of Abliene. This year Mr. Howser has had unusually good luck in saving the pigs and has the earliest and most promising crop of pigs ever seen on the farm at this time of year. There are over 100 of them, nearly all by his good boar, Gold Metal M. by Bell Metal. A few are by his yearling boar, Hadley's Wonder, a good son of Nox All Hadley, perhaps the best living son of Big Hadley. The dam of Hadley's Wonder is A. R. Endsgreat sow, Neosho Queen, Mr. Bowser has ever since he engaged in the business, been very particular about selecting the right

kind of females to out in his herd and is sales. Mr. Bowse, has always sold all hogs privately until last spring, when held his first public auction, which was decided success. He has claimed Novembe for a fall sale and will have, if nothis happens, an offering that will please is most exacting buyers.

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480 a, smooth land, 80 a, cultivated, 4rcom house, small stable, good well and
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Orient grade just misses farm; townsite ½
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Full description, land list and Kansas map
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160 acres, Rush county, Kansas, 2½ miles from good town and railroad station, 100 acres under cultivation. 60 acre grass, all tillable, a bargain at \$4,500.

JAMES H. LITTLE, The Rush County Land Man, LaCrosse, Kan.



Ness county has two railroads, \$600,000 bank deposits, horses and cattle valued at \$1,300,000; assessed valuation, \$11,000,000, Best wheat and alfalfa lands cheap. Write for latest booklet of views of county and lithographed map.

MINER BROS., Ness City, Kansas.

MINER BROS., Ness City, Kansas.

FINE STOCK FARM.

560 a., 100 a. in cultivation, 150 a. in meadow, remainder in good pasture; 5 room house; nice barn 106 ft, long, 30 ft, wide; other buildings; good well; orchard; on rural route 3 miles to shipping point and 5½ miles of Fredonia, the county seat, a large-large of the county seat, a flourishing city of 3 raliroeds and abundance of natural gas; very healthy and nicely located. Will take \$32.50 per a. if sold by August 1. Good terms, Address OWNER, Lock Box 926, Fredonia, Kansas

In The Artesian Valley

\$20 a, 2 ml. of Fowler, 8 to 15 ft. to water, all sub-irrigated, all in grass now but the whole is choice alfalfa land. There is hig money in this at \$45 per a. Can make terms to suit. I have several choice pieces now in alfalfa at \$75 per a. up. Also finest wheat land \$20 per a, up. Write owner,

E. L. WATTS, Fowler, Kansas.

Reno County BARGAIN

160 acres good Reno county land, 2½ miles good R. R. town, all tiliable, sandy loam soil, 50 acres in pasture and mow land, balance in crops, 4 room house, barn for 12 horses, other buildings, well fine water and windmill. Price \$8,000 on easy terms. WE HAVE THE BARGAINS.

BARRETT LAND CO.,

PLAINS, KANSAS

We believe KANSAS FARMER read by the majority of Kansas preperous farmers, men who are alway on the look-out for good, low pice land investments. So we deem land investments for my deem land investments, so we deem land in some Plains, Perfectly smooth and level, rich soil. When broke out, first crop will pay for it; at only \$12.50 per acre, leave to make the solution of the months of

Plains, Meade Co., Kan.

80 TO 800 ACRE tracts of good imp wheat and corn lands; splendid a Price from \$25 to \$75 per acre, WILLIAMS & LATHAM, Penalosa, Le

BAGAINS in Southern Kansas farms improved lands and stock ranches h \$25 to \$70 per acre. E. K. Longler, l ard, Kansas,

GREENWOOD CO.—320 acres 5 ml to Hamilton, ½ ml, to school, R. F. D. telephone line; 9 room house; ban is horses; 50 a. tame grass; 140 a. be land, 180 a. in cult., bal, pasture, ¼ farm; priced right; \$15,000. A. F. B. Hamilton, Kansas.

A FINE NESS COUNTY FARM—His 1½ miles from town, ½ mile to school acres perfectly smooth, 80 acres me land not rough, good well, NEVER DR, fenced and cross fenced. Price 125 per Will trade for good clean stock of me groceries preferred. If interested will list.. Rutherford & Oliver, Utica, Ka

FAMOUS SHARON VALLEY-400 tm. from Sharon, improved; 250 a ba 110 in cult., running stream, fenced, alfalfa land. \$850@t terms.

360 a, S ml. from Garlain, improved; a, in cultivation, fenced, well watered land; lays fine. \$4,320. Write for mation. Winter & Bauer, Sharon, Ka

A REAL SNAP in a Stafford county 160 acres, good for coun, wheat and all with some splendid hay and grass Price \$35 per acre. Fenced; fair imports. Well located. Now in cropis a good all-round farm. Write mand see it. A. L. McMILLAN, ford, Kansas.

THORNHILL & CONNER'S EXCHAN We have land to trade for merchas and merchandise to trade for land. Wi trade anything that is worth the most don't need to be land or merchandis, us know what you want and when want it, and what you have to sail and we will get you a trade. We don't inflated prices.

and we will as inflated prices,
THORNHILL & CONNER,
Hutchinson, Kansas.

Wanted To Li

Do you want to sell your farm? We calls for western lands every day. List farm with us, we will insure a quick STAR REALTY CO., 425 New England Bldg., Topeka, Kan

FOR TRAD 235 acres 4 miles of Garnett Kalacres in cult.; 25 pasture, balance mass 5 room house, barn, etc. Price ill mortgage \$5,000; wants mass.

80 acres 3 miles of Greeley; good is well improved. Price \$5,200. Wants ern Kansas land

ern Kansas land. SPOHN BROS., Garnett, Kansas.

Can you beat it? Half section of iss miles from Tyrone, Okla.; level mise fine broom corn land. This is cheaper stealing at \$1000 per quarter, with terms. It will mean money to you'vestigate this. Write for full inform regarding the Great Southwest. ELLISAESSER & HENRY, Liberal, Is

KANSAS BARG

For sale, at a sacrifice, a fine 30 improved farm near Parsons, Kan, for incumbrance. This is a chance to bargain; must sell. Price \$65 per act, further information address owner, we have the company of the company o

TEXAS LAND.

LOWER PECOS VALL IRRIGATED LANDS

In West Texas is absolutely the best tion for safe and profitable investme America. 40 acres will provide a home and a yearly income of \$3000 to home and a yearly income of \$3100 to hope and the way to have a safe and the safe home and a yearly income of \$3000 to Development has only fairly started present values will double and troit the sale of the best depended in the sale of the sale in tracts to slands which we can sell in tracts to slands or easy terms, or we can supply paid, on easy terms, or we can supply paid, on easy terms, or we can supply lands at \$5 to \$10 per acre, for professional sale in the year climate the ness and all the year climate the valley is unsurpassed. Let us know wants and we will supply detailed into the the sale of the sale of

estigate This
you care to invest from \$10 to
more in proposition more staple
stable than bank stock? If so, in.
call upon or write for particulars,
AMERICAN LAND & DEVELOPMENT CO.,
Bidg.,
Houston, Texas.

OKLAHOMA LAND.

GET A HOME.

re farm 2½ miles of R, R, town siles of county seat, 10 a, in culti0 a, pasture, 10 a, mow land, 6 a, of a, alfalfa, good 6 room house, rn and granaries, all fenced, 2 fine water, fine grape vineyard, % mile l, farm drains well. Price \$7,000. te possession. One-haif cash will his. Write for our land list, BATTEN REALTY CO., Medford, Oklahoma.

INDIAN LANDS!

Acres of rich black corn land in EASTERN OKLAHOMA for sale, 00 Write

LEN & HART, Owners merce Bidg., Kansas City, Mo. And Claremore, Okla. Agents Wanted.

ere Grops **Never Fail**

Grain Crops uxuriant **Pasture** Splendid Roots

rigation No Dry Farming No Drought

The Secretary, Central Alberta ment League, Box 56, Edmonton, for illustrated booklet descrip-the Rich Mixed Farming District of

ntral Alberta

Land Still Cheap Land in Some Districts

ELD NOTES

FIELD MEN.

Devine.....Topeka, Kan. R. Johnson...Clay Center, Kan. Cody.....Topeka, Kan.

TRE BRED "OCK SALES. C. S. N ...as, Chiles, Kan.

Poland Chinas.

Poland Chinas.

Roy Johnston, South Mound, Kan, J. D. Willfoung, Zeandale, Kan. L. R. McClarnon, Bradyville, Iowa. J. C. Salter, Jasper, Mo. S. A. Hobson & Son, King City, Mo. T. J. Dawe, Troy. Kan. L. R. Emos, Romona, Kan. L. R. Emos, Romona, Kan. M. H. Emmons, Elmdale, Kan. S. M. Hodgson & Son, Parker, Kan. Geo, M. Hull, Garnett, Kan. J. J. Hartman, Elmo, Kan, L. E. Bundy, Goodrich, Kan. Dietrich & Spalding, Ottawa, Kan. Roy Johnston, South Mound, Kan. A. R. Ryestead, Mankato, Kan. A. R. Ryestead, Mankato, Kan. Herman Gronniger & Sons, Ben-Kan, M. F. Fulton, Waterville, Kan. A. P. Young, Lexington, Mo. T. J. Meisner, Sabetha, Kan. W. B. Van Horn, Overbrook, Kan. M. T. Williams, Bradyville, Iowa. J. C. Halderman, Burchard, Neo. J. O. James, Bradyville, Iowa. J. H. Harter, Westmoreland, Kan. H. P. Walter, Effingham, Kan. H. C. Graner, Lancaster, Kan. J. E. Bowser, Abliene, Kan. J. E. Klein, Zeandale, Kan. W. J. Griffiths, Clay Center, Nob. Verny Panlels, Gower, Mo. L. E. Klein, Zeandale, Kan. W. A. Prewett, Asherville, Kan. Walter Hildwein, Fairview, Kan. Walter Hildwein, Fairview, Kan. Million, Jones, Solomon, Kan.

A. P. Wright, Valley Center, Kan. C. W. Jones, Solomon, Kan. Miller & Manderschied, St. John,

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best less mes an to treble or cos irrise to su ipply ping roduce he now info

I.J. P. Ware, Garfield, Kan.
George W. Roberts, Larned, Kan.
T. J. Meisner, Sabetha, Kan.
A. L. Albright, Waterville, Kan.
J. H. Hamilton & Son, Guide Rock,

A. C. Lobaugh, Washington, Kan.

T. J. Charles, Republic, Kan.

H. C. Graner, Laneaster, Kan.

1912—George M. Hull and Col. C. E.

W. E. Willey, Steele City, Neb.

J. H. Harter, Westmoreland, Kan.

R. R. Ryestead. Mankato, Kan.

E. M. Bunnell, Atchison, Kan.

E. E. Logan, Beloit, Kan.

Feb. 21—W. A. Prewett, Asherville, Kan. Feb. 22—C. W. Jones, Solomon, Kan. Feb. 23—J. J. Hartman, Elmo, Kan. Feb. 27, 1912—L. R. McClarnon, Bradyville March 6-T. M. Willson, Lebanon, Kan.

Durce Jerseys,
Oct. 21—M. T. McBride, Parker, Kan.
Nov. 3—Grant Chapin, Green, Kan.
Nov. 2—Frank Elder, Green, Kan.
Jan. 30—Ward Bros., Republic, Kan.
Jan. 31—W. E. Monasmith, Formosa, Kan.
Feb. 1—Geo, Phillippi, Lebanon, Kan. Sale
at Esbon, Kan.
Feb. 7, 1912—Frank Elder, Green, Kan.
Feb. 2—Rinehart & Son, Smith Center, Kan.
Feb. 3—W. C. Whitney, Agra, Kan.
Feb. 13—J. O. Hunt, Marysville, Kan,
Feb. 14—Thompson Bros. Garrison, Kan.
Feb. 15—Grant Chapin, Green, Kan.
Feb. 15—Grant Chapin, Green, Kan.

O. I. C. Swine.
Oct. 25—R. W. Gare, Garnett, Kan.
Oct. 28—Arthur Mosse, Route 5, Leaven
worth, Kan.
Nov. 4—George O. Clark, Wilcox, Neb., and
O. W. & E. Holtquist, Sacramento, Neb.
Sale at Holdredge, Neb.

Poland China Boars.

In this issue W. H. Emens of Elmdale, In this issue W. H. Emens of Poland Chinas. A number of these boars are sired by Monarch Mogul and the hog was sired by the great Mogul Monarch by old Monarch. Mr. Emens is one of the old time breeders and a judge of good Foland Chinas. He has some of the best sows on his farm that we know of and they all have good litters. Monarch Mogul has proven a good sire of large, even litters. He is a large hog on the Expansion build, retaining the smoothness and mollowness of his sire. He has length and dopth, standing on 10½ inch bone with good quarters and ribs and even from end to end. Mr. Emens also has a very promising young hog. U. Wonder, sired by the noted A. Wonder, and his dam was Lady Columbia 1st by Columbia Chief, This young hog is one of the best bred boars in the country and promises to make one of the best hogs. In fact, he is the best pig the writer ever saw shed by A. Wonder, While U. Wonder is only a March 16 yearling he will now weigh close to 560 pounds. Please look up ad and write Mr. Emens about the young boars offered for sale. Kindly meation Kansas Farmer.

C. H. Pilcher writes as follows: Nineteen hundred and ten has been my most successful year as a breeder. I sold 52 bears from September 1 to January 23. Have already sold seven bred gilts this month. I will hold two public sales this year, one fall sale on the farm and a bred sow sale at Concordia, I will announce the dates soon.

Triggs, the Auctioneer.

John R. Triggs, formerly a well known Poland China breeder of Dawson, Neb., is now located at Valley Falls, Kan. Mr. Triggs has within the past few years become quite a successful auctioneer, taking a course in auctioneering and already being well posted in live stock. Colonel Triggs is making a real success. He already has a nice line of sales booked for fall and winter.

Tripp's Fall Boars and Gilts.

Tripp's Fall Boars and Gilts.

This issue of Kansas Farmer contains the announcement of the old time Poland China breeders, F. A. Tripp & Sons, Meriden, Kan, Messrs. Trip have for sale a very choice lot of fall boars and gilts, sired by their good boar, Mastery. Mr. Tripp breeds the kind that are in demand by the trade which wants both size and quality. Among the boars are several herd header prospects, but Mr. Tripp needs the room and is pricing them very low at \$20 and \$25 each. The supply of fall boars is very short, and we would suggest that you write Mr. Tripp at once, mentioning Kansas Farmer.

Linscott Jersey Cattle.

Linscott Jersey Cattle.

The oldest and best known herd of registered Jersey cattle in the entire West is the R. J. Linscott herd, located at Holton, Kan. This herd was established a great many years ago by Mr. Linscott's father and has grown in strength and popularity every year since it was founded. The herd at this time numbers about 100 head, including calves. A regular dairy is maintained upon the farm and a careful record of each cow kept. The tests now being made is under the direction and supervision of the K. S. A. C., a representative of this institution making regular trips to the farm for this purpose. The herd is headed by three as good bulls as can be found in any herd in America, One of them, Imported Sultan of Oaklands, was a first prize winner on the Island. Another is one of the few living sons of Golden Ferns Lad, the most noted bull of the breed that ever lived. Mr. Linscott has for quick sale a very desirable lot of bull calves, cows in milk and heifers. When writing him, please mention Kansas Farmer.



SEARCHLIGHT, JR., ONE OF THE HERD BULLS USED IN THE HERD OF C. S. NEVIUS, CHILES, KAN. SEVERAL COWS AND HEIFERS BRED TO THIS BULL WILL BE SOLD IN MR. NEVIUS' SALE ON JUNE 6.

Poland China Boars at Farmers' Prices.

In this issue E. M. Wayde of Burlington, Kan., is offering a few June yearling Poland China boars for sale at farmers' prices. Twenty-five dollars takes the choice and they are plum good ones for this money. If you need a large, growthy pig send for one, They are worth the price asked. Look up ad and write or send an order at once, Kindly mention Kansas Farmer.

H. Davidson of Waverly, Kan., is advertising his Poland China herd boar for sale. Panic Buster is by Panic, he by Meddler 2d, His dam was Dlamond by Chief On and On and traced back to the old Perfect I Know family. Panic Buster is a yearling hog with plenty of size and quality. Write for price and full description.

Fall Boars by Hadley Boy.

In this issue George M. Hull of Garnett, Kan., is offering a few fail boars by Hadley Boy for sale. Hadley Boy 48009 is without question one of the best Hadley boars living today, and is siring as many good pigs as any bear we know of. If you need a boar you can not make a mistake to buy a Hadley. They are a large, smooth hog with lots of quality and you can not make a mistake if you buy from George M. Hull. Please look up ad and write for prices, kindly mentioning Kansas Farmer.

O. L. Thisler, Chapman, Kan., who has been a consistent advertiser in the columns of the Kansas Fermer for many years, writes that he has just returned from Seattle. Wash.. where he sold eight registered Percheron mares and one stallion to one man and at good prices. Advertising pays,

W. C. Whitney Writes as Follows.

W. C. Whitney Writes as Follows.

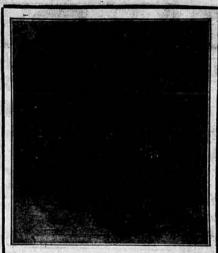
The Kansas Farmer brings buyer and seller together. I have just sold through my advertisement in your paper 10 head of Durocs to Mr. Galen Brown of Smithville, Mo., for \$600, Mr. Brown, who is starting a herd, has visited a good many herds in different localities. Included in the purchase is the magnificent young boar, Bonnie K. 2d, out of a Model H. gilt bought at Ward Bros.' winter sale. Her dam was the great sow, Rose Banker. The purchase also included four choice glits by Agra Top Notcher, one by Bonnie K. and three by I Am A Bonnie K., making a line of breeding and individuality good enough to build upon. In view of the fact that I live quite a little ways out in Kansas and that Mr. Brown had the advice of a breeder of many years of experience in making the selections and doing the buying, I feel complimented and expect to go right on breeding this kind.

W. E. Long at His New Location.
W. E. Long, the enthusiastic Poland China breeder formerly of Ozawkie, has bought a farm about four miles from Meriden, Kan. The new location is a good one for the business of breeding hogs. The farm is just rolling enough and has good water and plenty of improvements, Mr. Long has on hand about 50 choice spring pigs, about half of them sired by the outstanding good boar. King Mastadon 2d by King Mastodon, his dam by A Wonder. King Mastadon 2d is a Poland boar destined to make history. In his yearling form he weighs 450 pounds, measures 60 inches from root of tail to center of forehead, 60 inch heart girth and 59 inches around join. He has every mark of becoming a boar of wonderful size and with this he has good quality and is free from wrinkles, a good underline and a mellowness that is so often lacking in big hogs. Mr. Long has a great line of sows and gives them his personal attention, His other pigs are by Mogul, a son of Big Medium, with a few from sows bought of good breeders during the past winter. When writing Mr. Long about hogs please mention Kansas Farmer.

Easy-to-Install Water System.

Air pressure water systems are now made that are so easy to install that no farmer need hesitate on that account buying such an outfit as may best suit his needs. Elsewhere in this paper is the advertisement of the Missouri Water and Steam Supply Co., 792 W., St. Joseph, Mo. Concerning their water systems the following letter is of interest: Missouri Water and Steam Supply Co., St. Joseph, Mo.—I received the Missouri Water and Steam Supply Co., St. Joseph, Mo.—I received the Missouri Water and Steam Supply Co., St. Joseph, Mo.—I received the Missouri Water system recently purchased from you in first class condition, and I went to work with my two boys and had no trouble whatever in installing same in excellent condition. I have saved \$200 by purchasing your outfit, and I confess I was agreeably surprised to learn how easy it was to install it. I wish every one might know of your firm and become a purchaser of your goods. I feel that your "equare deal" policy is worthy of this unsolicited testimonial, which your may use as you see fit. Wishing your business better success than ever, I remain your pleased customer, Albert E, Will, Norman, Okla.

A Well-Balanced Auctioneer.
Col. James T. McCulloch, one of this state's most popular auctioneers, is one of the few men whom success does not spoil. Colonel McCulloch has complete and absolute control of himself. During the recent years he has climbed steadily toward the top and today ranks with the leading auctioneers of America. His success is largely due to natural ability, coupled with a strong



Our Rust Proof-Corrugated Iron

STACK COVER

pays for itself in the Alfalfa saved on the stack. Write today for prices.

THE MARTIN METAL MFG. CO., Wichita, Kan.

determination to succeed. But more than all this what has won for him his place is the fact that he is scrupulously honest and clean. He loves his profession, but were questionable means necessary to make it win Colonel McCulloch would seek other work. To take up a profession while yet a mere boy, and alone with strong competition forge step by step making friends, learning the newest and best methods, striving to succeed, but above all, to be fair and honest with his fellowman, is the story of this man who is still young in years but old in experience. The man to do this must be right in the head and also right at heart. Colonel McCulloch neither desires nor expects uncarned praise. He wants to earn every dollar he receives and strives by hard work and laudable methods to have the confidence of the public. He is booking a nice lot of sales, but still has desirable open dates.

High Grade Farm Water Systems,

High Grade Farm Water Systems,

A water system to fit the needs of any farm, large or small, may be had from the Johnson Mfg. Co., 408 Sharp building, Kansas City, Mo., for a very low price. On another page occurs the advertisement of this firm. Kansas Farmer has carried the advertising of this firm for several years and it is a source of pride to this paper that it can carry the advertising of a firm of such good character as the Johnson Mfg. Co. For years they have been furnishing water systems to many of our subscribers. All of these are highly satisfied with the opportunity thus afforded of doing away with the drudgery of water carrying. Not only that, the air pressure water system is an effective fire protection. A volume of water under pressure is always at hand to be used where wanted simply by turning the faucet, Lately this firm has taken on a line of farm electric lighting plants. These lighting outfits are so made and operated that electric light is available at any time without the necessity for starting machinery every time light is wanted. The storage battery has been perfected to the point where this is possible. Every farmer will appreciate the use of electric lights. They do away with a big fire hazard, and when light is turned on there is a flood of it instantly available. The housewife is relieved from lamp washing and cleaning, which is no little item to the housewife is relieved from lamp washing and cleaning, which is no little item to the housewife is relieved from lamp washing and cleaning farm women. Every farmer who reads this paper should write at once to this firm, using above address, and get full information on up-to-date water systems and lighting plants.

When writing advertisers, please mention KANSAS FARMER.

When writing advertisers, please mention KANSAS FARMER.

John Hartman's Good Polands.

John Hartman's Good Polands.

One of the most popular and successful young Poland China breeders living in Kansas is J. J. Hartman of Elmo. Kan. Mr. Hartman is located about 14 miles south of Abliene and eight miles west of Hope. He breeds the big kind and always has. Even when the smaller type was quite popular, Mr. Hartman insisted that the big kind was the most profitable and bred them without an apology. He has a big herd at this time and gives the herd his personal attention. The visitor has hardly set foot upon the farm before he is impressed with the fact that the proprietor is a thorough breeder and that he knows how to do the work and has the energy to do it. There is at this time about 50 spring pigs on the place and five sows yet to farrow. The pigs are about all by the herd boar, King Elmo, and Hartman's Hadley by Nox All Hadley. Besides these boars Mr. Hartman owns the very promising young boar. Blue Valley Jr. by Blue Valley Quality. The sows in the Hartman herd are a very uniform lot, all of the large type with that motherly appearance that is of so much importance if the breeding is to be made profitable. They are of Expansion, Hadley and Highlind Chief Jr. breeding. Mr. Hartman starts a card it this issue offering for quick sale a dozen choice fall boars. Please mention Kansas Farmer when writing. issue offering fall boars. P when writing.

M. T. Williams Has Good Polands.

M. T. Williams Has Good Polands.

A Kansas Farmer representative recently visited the splendid breeding establishment being maintained by M. T. Williams of Valley Falls, Kan. Mr. Williams is located about three miles north of town and has one of the good herds of the state. The 60 spring pigs are of reasonable early farrow and doing fine on a ration of shorts and sweet milk. They were sired by the boars Chief Grand Look. Blain's Gold Dust and Gold Bell Metal. Those of our readers that are familiar with the big type families will at once know that Mr. Williams is striving to get the big kind. Nearly all of the pigs are out of mature sows of the big type. Among the best litters is one out of Big M. a sow purchased when a glit from H. B. Walter of Effingham, Kan. She is one of the good sows of the breed. Minnie Hadley by Ross Hadley has a good litter by Blain's Gold Dust. Other sows in the herd are daughters and granddaughters of Expansion. Big Hadley, Mogul, Longfellow, etc. Mr. Williams sas been a careful buyer and gives his herd the very best of care. He loves the business and is making a real success. He will hold a fall sale, but always has something for sale privately. When writing him, kindly mention Kansas Farmer.

and Wholesale Prices.

EACH CORN CROP HELPS SOLVE THE HIRED HAND PROBLEM-ENDORSED BY ALL THAT USE IT. PIVOT AXLE we have many such letters:

D. Rankin Mfg. Co.,
Tarkio, Mo.

Gentlemen: The cultivator does fine work and I made no mistake in ordering a 12 shovel Rankin. My corn fields look the best of any in this section.

A. H. RANSOME.

David Rankin Mfg. Co.,
Tarkio, Mo.

Dear Sirs: Received the two-row cultivator and have tried it and like it very much. It is all right. It does fine work and I can manage it easily.

Yours truly,
C. S. HUNTER. Write DAVID RANKIN MFG. CA FREE SIDE VIEW. Catalog Bex 51 TARKIO, MO., U. 3.1

SHORTHORN

From The Glenwood Herds, Chiles, Kan. TUESDAY, JUNE 6th, 1911

head of breeding cows and heifers with calves at foot and bred to the champion Searchlight, Searchlight Junior and Prince Valentine 4th.

young buils ready for service, all nicely bred and first a con our les ins del Hel class herd headers.



Send for my nicely illustrated catalog and come to my sale.

THE WAY TO REACH CHILES.

Chiles is 40 miles southwest of Kansas City on main line of Missou'i Pacific; ten miles northeast of Paola, our county seat; four miles east of Hillsdale, on Frisco railroad.

Free conveyance from Chiles, Hillsdale and Paola. Arrangements will be made to stop Mo. Pacific train No. 2 from Ottawa and the west and also No. 1 west out of Kansas City, after the sale. Come and be with There will be bargains.

Auctioneers—Col. R. L. Harriman, Col. Geo. P. Bellows, Col. John D. Snyder, Col. H. Hohenstein. For catalogue send at once to

C. S. NEVIUS,

CHILES, KANSAS

CHOICE BIG TYPE FALL POLAND CHINA BOARS AND GILTS

Perfectly smooth, big bone and extra good feet. Sired by Mastery, a Mogul and Expansion bred sire. Boars \$20 to \$25 each. Gilts \$20, \$25 to \$30.

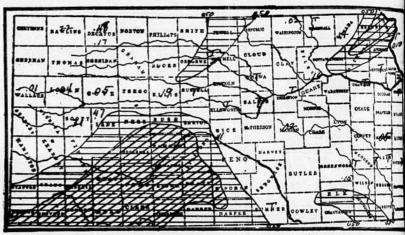
F. A. TRIPP & SONS.

MERIDEN, KANSAS

The engine Saves the Grain Millions saved Gilson Harvester Attachment Works wherever horses can haul a harvester. Fits any standard machine. Has a light Gilson air cooled engine good for any work. Saves the grain, time, teams and men. Write for particulars. GILSON MFG. CO. 1015 PARK ST., PORT WASHINGTON, WIS.

REPOR KANSAS CROP

Rain chart prepared by T. B. Jennings from reports collected by the Weather



UNITED STATES WEATHER OBSERVER'S REPORTS BY COUNTIES.

SCALE IN INCHES:

Less than .50. .50 to 1

Allen—Soil dry. Gardens in need of rain, wheat, corn and pastures still in good condition,
Anderson—Good week for farmers, Everything growing nicely. Without heavy rain there will be lots of chinch bugs,
Parber—Crops doing nicely. Alfalfa good and first crop being cut. Ground in fine condition for farming.
Barton—Wheat is heading, Condition very much improved. Corn mostly planted, some coming up. First cutting of alfalfa, looks fine, Grass growing fairly well.
Bourbon—Rain badly needed. Some corn not up, Gardens standing still. Oats damaged by chinch bugs.
Brown—I.58 inches rain on Saturday, May 13. First corn is up, bulk to be planted this week. Wheat commencing to head.
Butler—Very dry and in need of rain for cats, alfalfa and corn. Fruit prospects good. Chase—First cutting of alfalfa in bloom. Oats still good color, but growing slowly. Chautauqua—No rain, which is much needed.
Clark—Crops making better growth the

needed.
Clark—Crops making better growth the past week, but weeds are growing fast. Alfalfa coming on fine.
Cloud—Rain is needed in all sections. Wheat and alfalfa badly damaged in some sections and some fields have been plowed Decatur—Not much change in wheat conditions. Showers first of week. Cats and barley strong. Alfalfa fine, Corn coming up.

Dickinson—Corn planting finished. Stand very good. Wheat and cats needing rain.

Doniphan—Rain on 13th caused some washing.

Douglas—No rain. Corn coming uneven, Soft wheat in bloom. Rain needed.

Elk—Good rain on 11th helped out, Good stand of corn.

stand of corn.
Ellis—Warm. Wheat light. Corn up but not growing satisfactorily.
Ellsworth—Heavy winds. Rain badly

Ellsworth—Heavy winds. Rain pacty needed.
Ford—Showers benefical to all crops.
Franklin—Dry weather but no actual damage. Corn planting is done. Oats and grass short.
Gove—Hot. Dry, windy.
Gray—Oats, barley and speltz looking good. Wheat not good.
Greenwood—Needing rain. Crops late.
Harper—Warm and windy. Vegetation growing rapidly.
Harvey—Crops doing fine, but need rain.
Jeffersen—All crops need rain. First planting of corn up. Fruit prospects good.
Jewell—Corn planting. First planting coming up. Small grain looks well. Prospect for fruit extra good except peaches.
Millet and alfalfa being sowed.
Millet and alfalfa being sowed. illet and alfalfa being sowed.

Johnson—All vegetation needing moisture.

1 to 2. 2 to 3 Over 3. T. tri Kingman-Ground in fine shape, Lane-Light showers of benefit but

Lane—Light showers of benefit but rain needed.

Leavenworth—Spraying potatoes con ing well. Needing rain badly.

Linn—Needing rain. Oats and grant aged. Wheat heading, Corn nearly planted,

Logan—Crops not doing very well. Is ing rain.

Lyon—Crop prospects rather unfavor on account of wind.

McPherson—Still no rain, which is meeded. Vegetation beginning to suffer.

Marshall—Very dry and windy, wheat heading. Corn coming up. Fruit Need rain.

Marion—Corn up and good stand. We ing rain.

Marion—Corn up and good standing rain,
Marshall—Planting corn. Wheat integrood, Alfalfa and pasture improved, forcop small. Apples and other fruit we Rain needed.
Montgomery—Good growing week.
crops looking well. Much needed rate
Tuesday.
Nemaha—Dry and windy. Alfalfa is
Corn all in and coming up. Rain neede
Norton—Dry and dusty. All crops raing.

ing. Ottawa—Corn good stand and doing

Ottawa—Corn good stand and short.
Oats and wheat needing rain. Apple otherries about third crop.
Pawnee—Good rains of past week put everything in fine shape. Wheat in the cad. Corn excellent stand of siderable fruit.
Phillips—Dry and dusty. Wheat get rain. Some rain on 13th in north parcounty.

Phillips—Dry and dusty. Wheat arain. Some rain on 13th in north arcounty.
Rawlins—Hot, windy and dry.
Rice—Dry and windy. Corn gowing and stand is good. Alfalfa about ficent. First cutting next week.
Riley—Ground very dry and rain see Saline—Dry, hot and windy. Rain is needed.
Scott—Still quite dry. Crops doing in well. High wind.
Sedgwick—No rain this wock. What gun to head. Alfalfa cutting.
Sedgwick—Corn doing well.
Sumner—Oats very dry. Corn good well.
Sumner—Oats very dry. Corn good Strawberries ripening, good quality. Alfalfa dutting.
Thomas—Windy and warm. Compliance but rain needed.
Wallace—Dry and windy. Planting wallace—Dry and windy. Planting of airly well.
Wyandotte—Rain needed.
Soll yells
Vegetation not injured yet.

Vegetation not injured yet.

Disastrous Hail Storm

Destroy FIFTEEN TIMES as much property annually for farmers as Fire does. Emprudent, successful farmer protects his FINANCIAL interests against the natural elements over which he has no control, and chief among them is the HAIL STORM. McPherson company will give you an insurance that protects. Our Motto: Fair a justments, Prompt Settlements, Low Expenses, A Big Cash Reserve Fund protects policy. See our agent or write the company, and do it NOW. Tomorrow may be late.

The Kansas State Mutual Hail Association

A. J. Shaw, Sec'y, McPherson, Kansas, Parties writing the company or agents, please mention Kansas Farmer.