

KANSAS FARMER

FOR THE IMPROVEMENT



OF THE FARM AND HOME

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Preparing for Fall Seeding of Alfalfa

The rapid growth in the acreage of alfalfa in Kansas, the high value of the crop, and the fact that this plant is adapted to the soil and climatic conditions in this state as to few other localities, have caused the prediction that Kansas would some day be seeded down to alfalfa. Interest in this crop is always active, but this activity has been increased this season by reason of the adverse weather conditions which affected the state during the past winter. Some of the older alfalfa fields were damaged by winter killing, a considerable acreage of corn was plowed up and sowed to oats, and the growing sentiment for a rotation of crops and of the sowing of alfalfa as an enricher of the soil, have all combined to produce a larger demand for alfalfa seed and larger preparations for the seeding of this valuable legume this fall than perhaps was ever true before.

Owing to the extra large acreage of oats and the increased attention which is being given to rotation farming it is believed that there will be a larger amount of alfalfa sown this fall than in any previous year in the history of Kansas. For this reason interest centers around the methods of preparation and of sowing.

Land that is to be seeded to alfalfa this fall should be plowed deeply as soon as the grain crop is off and a coat of manure has been applied. The best way to produce alfalfa is to manure it before sowing. The best way to raise a corn crop is to manure the land then grow alfalfa for a period of years before planting the corn. The amount of manure to be applied to the land will vary with the amount available and the present condition of the land. Stable manure is valuable in two very important ways. It furnishes an abundance of plant food, which is readily available to the growing crop, and at the same time supplies the soil with humus without which no successful cultivation can be attained.

The object in plowing land deeply after harvest is to insure its proper aeration and a suitable seed bed for the alfalfa. The object in plowing it early is to allow the land to settle so that the roots may have a firm soil in which to establish themselves before winter comes. If the ground is handled in this manner it gives the young and tender alfalfa plants an opportunity to make such a growth and gain such strength that its roots will penetrate the unplowed subsoil and be practically proof against drouth in summer time and the heaving action of frost in winter. While alfalfa is a tremendously vigorous grower after it has started it is very delicate in its younger days and the importance of a properly prepared seed bed is not likely to be overestimated.

By plowing under the stubble immediately after the harvest there is a considerable amount of vegetable matter added to the soil which, while it may not have a high value as manure, will be useful as humus. If the plowing is done early and the field has ample time to settle then the harrowing or disking of the surface to kill the weeds will put it in an ideal condition. If the ground is plowed too dry or too late so that it will not have time to settle the difficulties increase. The surface may be rolled

Soil Preparation, Good Seed and Proper Seeding Mean Success

and harrowed into a proper degree of tilth but there will remain conditions below that will interfere with the growth of the young alfalfa plant. After the seed germinates and its tap root has started downward it may meet a dry spot in the soil due to untimely plowing or it may meet an air hole due to lack of settling of the particles after plowing. In either condition it is likely to dry up and cause the plant to send out auxiliary roots to find suitable soil and moisture or else to give up and die.

A good practice is to plow the land at least two months before seeding time although this is not always possible. After the plowing has been done the ground should be harrowed or disked often enough to kill the weeds and keep the surface in shape to retain the moisture and to be fine enough to cover the little seeds when they are spread upon it. The first roots of the alfalfa plant are fine and hair like and if the soil is in proper

condition they will be able to find sustenance at once and their growth will be rapid.

Much land that has been sown to wheat or oats may not be suitable for alfalfa at once. It is good practice to disk or even double disk the stubble field before plowing and if the plow when set for an eight inch depth should turn up infertile subsoil, the land is not yet ready for alfalfa, and should be used for some other crop for another year or so. Sandy soils do not require the depth of plowing that is needed on other classes of soils. Their treatment should be different.

Another question of importance is the amount and quality of seed. In the earlier days it was advocated by experienced alfalfa raisers to use large quantities of seed, some urging that 30 pounds to the acre was not too much. With increased experience and knowledge of the plant, however, it has been found that the resulting crops are much better if a smaller

amount of good seed is used. From 12 to 15 pounds to the acre may be taken as the standard amount, while in some localities even a smaller amount is advocated. Difficulty is being experienced each year in securing good seed and it appears that this difficulty is greater now and for this season than for some years past, though just why is not apparent. Much of the seed is adulterated by the presence of Russian thistle or dodder, which are two of the worst pests of the alfalfa grower. An ordinary magnifying glass will serve to determine the impurities in alfalfa seed, though of course it will not serve to show what these impurities are. The fact that they exist, however, is sufficient for special attention being given to the cleanup of the seed. It does not pay to plant poor seed of any kind and it is especially expensive to plant inferior or adulterated alfalfa seed.

The peculiar habits of growth of the alfalfa plant which admit of its being harvested a number of times during the season will serve to solve its own problems concerning most annual weeds, as these will be cut off with each cutting of alfalfa and will be killed out by this process. This, however, is not true of the dodder which is parasitic in the later stages of its growth, although it starts in the soil. Special care should be used to eliminate all dodder seed from the alfalfa seed before sowing, but if it is found that a dodder patch exists in the field, perhaps the cheapest and easiest way to get rid of it is to cover the entire patch with straw and set fire to it. The bare patch thus produced can be reseeded.


After the ground is thoroughly prepared and good seed has been secured the actual planting may take place from the middle of August to the middle of September. Of course it is true that earlier or later planting may prove successful, but it always seems wise to plant early enough to give the plant a vigorous start, which will enable it to withstand the winter, and this is best done during the latter half of August. Where possible the seeding should take place immediately before a rain, and it may be wise to wait until a rain threatens before sowing.

The seeding is done in various ways. Alfalfa may be grown successfully from seed which has been put in by broadcasting, by seeding machines, or by the drill. In choosing a method, however, it is always best to remember that the seed is very small and must not be covered too deeply. The main points to be observed are a thorough preparation of seed bed by early and deep plowing, the fining of the surface to such a degree that tiny rootlets may have immediate and close contact with soil particles and evaporation may be prevented before seeding time by a dust mulch, and the even distribution and covering of the seed to insure the best returns.

Alfalfa has made for itself a most important place in the farm economy of Kansas, and a careful study of the best methods of handling this crop is well worthy of the attention of every farmer. Nowhere can this study and attention be given to greater advantage than in the preparation of the seed bed and the proper sowing of the seed.



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The Most Useful Fork That the Farmer Can Own

THE True Temper Scoop-Fork enables you to lift your potatoes from the hill and transfer them quickly and easily to barrel, wagon or bin.

The flattened ends of the tines prevent cutting and bruising.

Time and labor is saved in handling corn, potatoes, beets, turnips, apples and many other fruits and vegetables.


The perfect shape and hang enable you to carry a large load with an easy swing, screening out dirt or snow in the process.

Sold by hardware dealers everywhere. If your dealer doesn't handle, write us and we'll see you are supplied.

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Largest Manufacturers of Farm and Garden Hand-Tools in the World

Cleveland Ohio



A BOY GIANT

Give this boy a job. He will saw wood, turn grindstones, shellers, feed cutters—do two men's work for five cents a day.

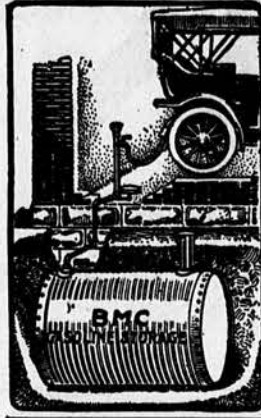
AMERICAN BOY GASOLINE ENGINE—
A Boy in size—A Giant in strength, 1 1/2 Horse Power—Water Cooled Guaranteed five years. Simplest, best constructed, easiest operated engines made. Price \$39.50, cash with order. Money back if not all we claim. Larger (2 1/2 Horse Power) Engine \$56.25 cash. Lowest prices ever made on high grade guaranteed engines. Equally low prices on feed grinders, wood saw outfits, silos, hay presses, pumps, etc.

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Automobile Owners, Gasoline Engine Owners, ALL users of Gasoline, who buy at retail: You pay 4c. to 6c. more per gallon than necessary. Buy Gasoline at Wholesale, and Store it in this Safe Underground Farm Tank that Soon Saves You Twice Its Cost. With a simple, safe, strong, handy, Underground Tank on your place, dealers will give you a big reduction, or you can have oil companies deliver gasoline to you at wholesale prices. Then — you have gasoline as you need it — just like pumping water — tank is out of the way — much safer than cans, barrels or tanks above ground — no danger of fire — no oil wasted by leaks, spills or evaporation — no trouble to fill — no cans to carry to and from town.

B. M. C. Underground Tank For All Gasoline Power Users

The B. M. C. Underground Storage Tank is of heavy, special, light-coated, galvanized steel — corrugated sides multiply strength many times. No rust, no wear-out. Special B. M. C. all-brass, double-acting pump. We urge you to investigate, to learn exactly how farmers save 25 per cent on their gasoline. Write right now for descriptive circular and delivered price.

BUTLER MANUFACTURING COMPANY
1429 W. 10th St., Kansas City, Mo.

Write Our Advertisers About Anything You Need, Mentioning the Kansas Farmer

Perfectly Simple—Simply Perfect

“Maxwell”
The “Great Economy Car”
Tonneau Included \$1575



I have been told that this advertisement is too long—that folks won't read it, but if you are thinking about getting an automobile, you will read with interest every word—it may save you hundreds of dollars of unnecessary expense.

A CAR BUILT FOR YOU

The sales of Maxwell 5-Passenger, 30 H. P. Touring Cars and Maxwell 12 H. P. Runabouts have been enormous, yet a number of farmers write me that they want a car with detachable Tonneau. As a result of these many requests, I have built a car especially to fill your needs—(shown above with tonneau detached). It is a big, handsome, 30 H. P., 2-Passenger Roadster that can be changed in three minutes into a smart, stylish 4-Passenger Touring Car. With Tonneau off, there is ample carrying space on the rear platform. When the wife or family want an outing, on the Tonneau goes in a jiffy. If you could have a car built specially for you, wouldn't it be just such a one?

LOW COST OF UP-KEEP

MAXWELL CARS cost their owners less to maintain than any other car in the world, regardless of price. We were the first manufacturers to come out and give you the actual figures showing the exact cost of maintenance. Last year we said of our big 5-Passenger Touring Car—“This big car can be run 5,000 miles a year at an average total cost of \$3.98 a week.” Understand, these figures include gasoline, oil, grease, repairs and tire cost. This model costs even less to run, because it is lighter than our Touring Car, and light weight, coupled with great strength, is what makes an automobile economical to use.

ASK FOR THE FIGURES

If you did not see our recent announcement showing in exact figures —just how little it costs to run the MAXWELL 5-Passenger Touring Car 5,000 miles a year, write me and I will send you a poster in natural colors, giving these figures in itemized form. The shrewd farmer who wants to know what his car is going to cost him to run after he buys it, should have this information. Remember, we are the only makers who come out and give you the AVERAGE TOTAL COST.

THESE BOOKS FREE

I want to send, without cost to you, a lot of valuable information about automobiles. I want you to have our latest catalogue—fully illustrated. Also copies of “How to Judge an Automobile” and the “Co-Operator,” a newsy magazine, together with “The World's Record Booklet.” Now, while it is fresh in your mind, mail this coupon or drop me a postal. Simply say “MAIL BOOKS.”

J. Maxwell President.

A STYLISH CAR

The picture of the car speaks for it. Here is an automobile that the wealthiest man is proud to own. Note the long Wheel-base (110 inches) and big wheels and tires (34 x 4 inches). Men who have formerly owned only the highest priced cars, costing \$3,000 or \$4,000, find in this MAXWELL at \$1,575 the same power, reliability and style at less than half the cost of up-keep. I want to emphasize particularly the matter of style, because many cars made with detachable tonneau have such a cheap, dinky look, that their owners feel like apologizing. You must see this car to appreciate it—you must ride in it to realize its strength, power, ease of control and extreme simplicity.

SALE OF MAXWELLS TO DATE

Sold to May 31, '10	29,545
Sold during June, '10	2,243
Maxwells in use today	31,788

We operate 4 great factories, 16 branch houses and have 800 dealers. We will give you the name of the nearest dealer.

Maxwell-Briscoe Motor Co.
Vane St., Tarrytown, N. Y.

WATCH THE FIGURES GROW

Licensed under Selden Patent—Members A. L. A. M.

BALE 18 TONS A DAY HAY

Our “Cyclone” three stroke self feed hay press is the latest, most powerful and most efficient press on the market. Each circle of the team presses in three charges. The self feed automatically puts the hay down to the bottom of the bale chamber. These two improvements wonderfully increase capacity of our presses. Write today for circular and prices. Five days' free trial.

ERTEL CO. QUINCY ILL.

SAVE YOUR ALFALFA SEED

We continue to warn Farmers that 25 per cent. of their Alfalfa Seed is wasted when the ordinary grain separator is used for threshing.

IT IS VALUABLE

Alfalfa Seed is being imported into this country every year because the Western Farmer does not produce enough seed to supply the demand. With the prevailing high prices of seed you cannot afford to have your seed wasted in threshing. We build the only machine in the world constructed especially for hulling Alfalfa Seed. If your thresherman does not have a “Birdsell” Alfalfa Huller give us his name and address and we will send him our Catalog and you shall have our 1910 and 1911 calendar in colors.

OUR ALFALFA BOOKLET—FREE

This booklet contains 48 pages and was written by an Alfalfa Specialist. If you are not raising Alfalfa send for this book. He tells you how to start a crop, raise and harvest it. Every man should have this booklet. Write today.

BIRDSSELL MFG. CO.
SOUTH BEND, IND.

NAME.....
ADDRESS.....
Maxwell-Briscoe Motor Co.
Vane St. Tarrytown, N. Y.
Please
MAIL BOOKS



KANSAS FARMER

EDITORIAL



POLITICAL ADVERTISING.

This issue of KANSAS FARMER contains some political advertising, and in accepting this matter for publication, KANSAS FARMER disclaims any personal interest in the candidacy of any special person or parties.

Under the new Kansas Primary Law, candidates for office must appeal direct to the voters, and to do this but two ways are readily open to them. They may engage in the slow, expensive and laborious personal campaign, or they may use the columns of the press.

It is the right of every citizen of Kansas to know the facts concerning the candidates for public office, and it is the right of every candidate to have his case presented to the people.

After canvassing the matter thoroughly, KANSAS FARMER decided to open its advertising columns to the candidates at the regular advertising rates, and will make no discrimination between parties, factions or persons.

The subject matter of these several advertisements is furnished by the candidates and KANSAS FARMER is in no way responsible for it.



K. S. A. C. AT THE CHAUTAUQUA.

Chautauqua Assemblies were once very popular and more or less numerous in Kansas and were the means of much good to the people where they were properly conducted. Unfortunately, however, the local management in some cases permitted partisan politics to creep into their programmes or else they were unfortunate in the selection of the "attractions" and there was an end.

Many of the chautauquas have been well managed and still maintain a vigorous life, and among these may be named that at Clay Center as an example. This institution has a happy faculty of selecting good lectures and entertainment features and in so doing have given the people what they wanted and were willing to pay for, so they have prospered. The Clay Center program this year includes several features that are of special interest and that might well be copied to the advantage of other chautauquas. They have called upon the State Agricultural College for a series of lectures and what, in all the available field, could be of more benefit and interest to a Kansas audience than lectures by the working force of that institution? These men are ready and entertaining speakers who get their information at first hand right out of the earth. What they have to say is entertaining because it is instructive; it is valuable because it has to do with our everyday business.

Prof. C. A. Scott, the State Forester, will discuss "Forestry, an Economic Factor." Superintendent Miller of the Extension will lecture on "Soil Fertility" and on "Corn." Prof. J. T. Headlee, on "Insects Injurious to Farm Crops" and "Insects that Carry Human Diseases," and Prof. E. L. Holton on "The Right Education."



HORTICULTURAL REPORT.

Secretary Walter Wellhouse of the Kansas State Horticultural Society has to his credit one of the best reports that has ever been issued by that body. These reports appear only at stated intervals as provided by law, but they do not come often enough. Secretary Wellhouse has done his best to offset this condition, however, by printing a large number of these reports, which he will distribute free of cost to all citizens of Kansas who will write for them. The report is full of information and it is free. Write Secretary Wellhouse if you want a copy.



If the value of the 2-row cultivator ever needed any demonstration surely it has had it this season. The early warm spell which started the vegetable growth of all kinds, followed by weeks of rain which fostered the weeds but retarded crops, conspired to make the farmer hustle when he did get a chance. The 2-row cultivator is a hustle machine.

With which is 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
T. A. BORMAN and I. D. GRAHAM, Editors.

Chicago Office—First National Bank Building, Geo. W. Herbert, Manager.
New York Office—41 Park Row, Wallace C. Richardson, Inc., Manager.

Entered at the Topeka, Kansas, postoffice as second class matter.

SUBSCRIPTION PRICE—\$1.00 per year; \$1.50 for two years; \$2.00 for three years. Special clubbing rates furnished upon application. The expiration date of subscription will be found on the label on your paper. We must be notified in writing when the subscriber desires the paper stopped. Returning the paper is not sufficient, as we cannot tell from the label alone what the address is. Both name and address must be given.

ADVERTISING RATES—25 cents per agate line, 14 lines to the inch. Announcements of reputable advertisers respectfully solicited. No medical nor questionably worded advertising accepted. Forms close Monday noon.

PUBLISHERS' GUARANTEE TO SUBSCRIBERS—KANSAS FARMER aims to publish advertisements of reliable persons and firms only. We guarantee the reliability of our advertisers as follows: We will make good to any paid-up subscriber, any loss he may suffer, thro' 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 that "I read your advertisement in KANSAS FARMER." We do not, however, undertake to settle, or be responsible for petty or trifling disputes between a subscriber and an advertiser, though we extend our good offices to that end.

PICTURES—Good photographs, drawings or plans are especially solicited. Senders' names should always be written on the back of each picture. KANSAS FARMER cannot be held responsible for the loss of any picture submitted.

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

WANTS A STATE FAIR.

To Kansas belongs the distinction of organizing the first American branch of the International Dry Farming Congress. This branch was organized at the big farmers' meeting held at Hays on June 7 and 8, at which there were 25 counties in Kansas represented. After two days spent in inspecting the Experiment Station, listening to lectures by experts, watching demonstrations and perfecting the organization of the Kansas branch of the Dry Farming Congress, a series of resolutions were passed by this immense gathering of farmers among which none was of more importance than the following:

Resolved, That we recommend legislation looking to the organization of a state fair, providing liberal financial support, and that every member of this organization be instructed to request his state senator and representative to use their efforts to further this project.

Resolved, That a copy of this resolution be sent to each senator and representative in the state of Kansas.



A very valuable and timely bulletin on "Common Insecticides and Fungicides, With Directions for the Treatment of Farm Pests" has just been issued by the Kentucky Experiment Station. While the climatic conditions are somewhat different from those of Kansas, many of the insect pests are the same, and the treatment in use there would be effective here. The bulletin is numbered 147, and it is possible to secure a copy of it by addressing the experiment station at Lexington, Ky. In Kansas the development of insects and fungus pests is very noticeable this year because of the fact that the season differs from those of recent years, and fosters the propagation of those species which are not especially aggressive in dryer seasons. A careful study of the best methods of combatting both insects and fungus pests is well worth while, not only for immediate returns, but for the effect that will be observed on succeeding crops.



Before putting your money into a Mexican rubber plantation or a Canadian wheat farm, just take a little look about home here in Kansas. Maybe you can do well here.

IRRIGATION CONGRESS.

The eighteenth National Irrigation Congress will be held at Pueblo, Colo., from September 26 to 30. This Congress was designated by ex-President Roosevelt as the greatest development agency of the country. Questions concerning the soil and the relation of water to soil; the renewal of wornout soils; better agriculture and everything pertaining to the improvement of farming conditions in the West, will be subjects for proper discussion. The National Irrigation Exposition will also be held at Pueblo, and will begin on September 19 and continue during the week of the Colorado State Fair and the week of the National Irrigation Congress. In this will be shown the progress of irrigation, devices for raising and supplying water for the land, drainage methods and machinery, together with the agricultural and horticultural products of the irrigation district. Two weeks will thus be spent in the consideration of questions pertaining to irrigation and better farming methods. The Congress is made up of delegates from states, cities, agricultural and horticultural societies, and other farm and municipal organizations. A large attendance is predicted and the program promises a most interesting session.



The extension department of the Agricultural College has now a force of seven people who devote their whole time to public teaching—work away from the college. One of the hardest worked members of the force is the lady who has the domestic science work, who attends farmers' institutes for five or six months of the year and during the remaining months holds cooking schools, women's meetings, etc. Next year the college will employ another lady for this extension work in the domestic science, dividing the state into two districts, Miss Brown of the present staff for work in eastern half of Kansas, and the new assistant, also a graduate of the Agricultural College, to have the work in the western half of the state. Practically every institute committee in Kansas last year asked for a lady lecturer, but of course it was impossible to send a lady speaker to more than one-third of the institutes held.

Editor Kansas Farmer:—

I want to congratulate you upon the high standard the KANSAS FARMER is maintaining as an agricultural paper. It is progressive without running to fads, and manifests, it seems to me, a keen insight into the future of the farming business, guiding the husbandman to practices that are entirely sound, without in any sense being revolutionary.

PRES. H. J. WATERS,
State Agricultural College, Manhattan, Kan.

MUSIC IN THE HOME.

None can doubt the charms of music and but few there are who do not appreciate it. Aside from the keen enjoyment afforded to most people music has a restful influence. No matter what may have been the cares and worries of the day if one can sit down at evening and listen to good music, his troubles fall away and his life and energy are renewed. Like the great hereafter, music is the object of universal desire and of very general neglect.

This need not be so. Many are deterred from securing musical instruments in the home by the initial cost and the training for its use. Others who have secured instruments and have incurred the considerable expense for a proper training of some member of the family, have been disappointed by reason of a lack of either ability or musical sense in the selected person. Neither of these things is necessary or unavoidable.

The presence of a piano or other musical instrument in the home adds a necessary bit of furniture and a finishing touch that can be secured in no other way and, even though no member of the family is an expert player, its presence there is worth all it has cost as an ornament and for the entertainment of possible visitors who have skill.

The development of modern inventive and musical science have served to remove all of these objections, and with the aid of the piano player, the members of the household can enjoy all of the latest and highest class music rendered in the most perfect manner.

And then there are the various forms of mechanical instruments which are now so nearly perfect that even the poorest of us can enjoy the highest class of music in our own homes without prohibitive cost.

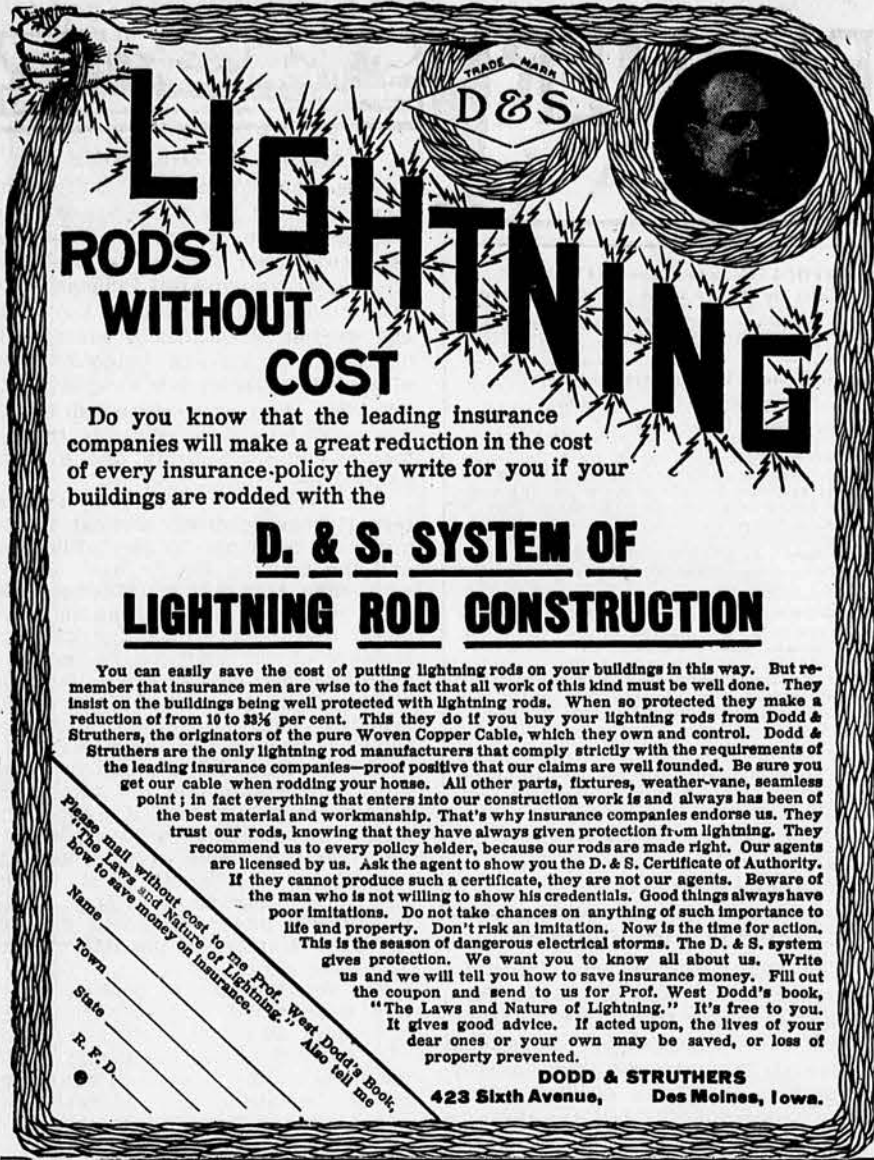
Did you notice the cartoon which appeared on the front page of Kansas Farmer issue of July 2, and did it carry a message to you? If you did not, you have missed something. That farmer who would ease the rough places of life, make living a real joy to himself and his family and double the attractions of home, is the man who provides for music for his household. To do this he can be independent of the music teacher, the changing of the family membership, and still enjoy the best through adoption of the means provided by modern inventive genius.



The State University is sending out parties of trained experts to different parts of the state, whose duty it is to make an insect survey. This plan was inaugurated by the late Chancellor Snow, who had exploring parties in the field each year searching for new insects and studying the habits of those already known. Originally the chief purpose was the collection of insect specimens for the purposes of pure science, and to this work may be credited much of our present knowledge of the insect fauna of the state as well as the enormous collection of specimens which now graces the University museum. Later the economic phase became important and, under the direction of Pro. S. J. Hunter, much attention has been given to injurious insects and the means of combating them. The present campaign will be largely utilitarian and four parties are now in the field, to each of which is assigned a special problem. The work done by these parties is supplemented and checked by the experts in the laboratories and a very considerable fund of valuable information is sure to be made available to the people of the state.



The farmer who does not study his business, attend farmers' institutes, follow the work of the Experiment Stations and read the farm papers is not only a loser himself but is a drawback to his brother farmers. The man who does these things and profits by them not only increases his own yield but his bank roll as well. The energetic farmer cannot materially increase the aggregate yield of the country unless he equals or exceeds in numbers the indifferent one. A pull all together brings big results for all.



LIGHTNING RODS WITHOUT COST

Do you know that the leading insurance companies will make a great reduction in the cost of every insurance-policy they write for you if your buildings are rodded with the

D. & S. SYSTEM OF LIGHTNING ROD CONSTRUCTION

You can easily save the cost of putting lightning rods on your buildings in this way. But remember that insurance men are wise to the fact that all work of this kind must be well done. They insist on the buildings being well protected with lightning rods. When so protected they make a reduction of from 10 to 33 1/2 per cent. This they do if you buy your lightning rods from Dodd & Struthers, the originators of the pure Woven Copper Cable, which they own and control. Dodd & Struthers are the only lightning rod manufacturers that comply strictly with the requirements of the leading insurance companies—proof positive that our claims are well founded. Be sure you get our cable when rodding your house. All other parts, fixtures, weather-vane, seamless point; in fact everything that enters into our construction work is and always has been of the best material and workmanship. That's why insurance companies endorse us. They trust our rods, knowing that they have always given protection from lightning. Our agents are licensed by us. Ask the agent to show you the D. & S. Certificate of Authority. If they cannot produce such a certificate, they are not our agents. Beware of the man who is not willing to show his credentials. Good things always have poor imitations. Do not take chances on anything of such importance to life and property. Don't risk an imitation. Now is the time for action. This is the season of dangerous electrical storms. The D. & S. system gives protection. We want you to know all about us. Write us and we will tell you how to save insurance money. Fill out the coupon and send to us for Prof. West Dodd's book, "The Laws and Nature of Lightning." It's free to you. It gives good advice. If acted upon, the lives of your dear ones or your own may be saved, or loss of property prevented.

DODD & STRUTHERS
423 Sixth Avenue, Des Moines, Iowa.

Please mail without cost to Prof. West Dodd's Book, "The Laws and Nature of Lightning." Also tell me how to save money on insurance.

Name _____
Town _____
State _____
R. F. D. _____



IS YOUR'S ONE OF THESE?

A number of KANSAS FARMER subscriptions expire this month. If yours is one of them you should send your renewal at once, and thus be sure of not missing any issues.

Just now plans are under way calling for a large investment in equipment and brains to more fully enable KANSAS FARMER to keep abreast of the times, and the better to serve the needs of its field—the farming and live stock interests of Kansas and adjoining states. It realizes the bigness of this job and is sparing no means or effort that can legitimately and certainly improve its pages for the benefit of its readers. Today it has more paid subscribers than ever. It wants to retain all the present subscribers and add as many more good ones as possible.

You will be doing your neighbor a good service by getting him to subscribe now for KANSAS FARMER—and above all you will do yourself a mighty good turn by keeping YOUR subscription paid ahead. Look at the date on the label of your paper. If it shows your time out, look up the liberal renewal offers, printed elsewhere in this issue and renew at once. Don't take a chance on letting it slip your mind. Clip a coupon and send it in.

Western Kansas.

Under this caption Mr. I. C. Collins of Ness City gives a report of the rainfall in that part of the state for a period of sixteen years. If I understand him correctly, he divides this into two periods of eight years each, and appears to show that there has been a gain of 15 inches in the amount of rainfall in the last period. The correctness of the report I have no right to question, but to depend upon evidence of this kind as a source of encouragement to people who are engaged in diversified industries, I can not look upon as reliable.

Some 32 years ago this question of the increase in the annual rainfall of the state was discussed at a meeting of our State Horticultural Society held at Hutchinson. I then took the ground that there was no greater rainfall in Kansas at that time than there had been two thousand years ago. Also, that if I could be lead to believe that there had been such a change, I would leave the state, for the reason that I would look upon such increased precipitation as simply a paroxysm which could not be regarded as lasting. I have lived in Rice county for more than 36 years and, judging from observation and experience, I feel certain that we had more rainfall during the first 18 years than during the last. However, there has been a change going on increasingly in the matter of humidity and moisture of the soil ever since the actual settlement of Kansas began. This will continue to increase under constant, intelligent and persistent tillage until every county of western Kansas will rank among the very best agricultural districts of all the world. I make this statement for the following reasons, which I believe to be incontestable.

The western half of Kansas has a soil that is unexcelled in its natural fertility. This has been demonstrated so often that no one acquainted with the facts will doubt it for a moment. Then, we have a climate adapted to the growth of more of the actual necessities of life than can be found over any equal amount of territory on earth. Also, the surface of our country is undulating and consequently self-draining, so that we have no swampy territory and almost no malaria. All of this coupled with our splendid altitude adapts this country better to the health of both mankind and domestic animals than any other.

And just here permit me to state that the matter of a country being adapted to the preservation of health is a thing that is not easy to overrate. Before this country was settled the rain that fell ran off the ground as it would from the back of a turtle; the earth being hard, packed and self drained so that when the sun shone out after a downpour Kansas was soon perfectly dry. But as the plow broke the earth's surface over millions of acres an incalculable amount of water has penetrated below and been retained. This can escape only by evaporation through

the growth of plants, and in a limited way through springs. The greater portion of it is disseminated through evaporation, and this causes the atmosphere to receive and retain moisture which also favors the growth of plants.

When the writer first came to Rice county in 1873 the North Star shone with the brilliance of a diamond. For many years it has not shown up as it did in the 70's and this is due to the moisture in the atmosphere produced through evaporation from the soil. This moisture has helped to modify the climate and has made possible many orchards, timber belts and hedges which have served to further modify it. All these influences serve to retain the moisture much longer than if the winds had an unobstructed country to sweep over as they did in the early days.

In this section the winds do not now blow as they did 30 years ago when the blades were blown from the corn stalks. Then corn was thought to be an impossible crop. Now it is a highly prized and regular element in our farming methods. The same means that were adopted in the development of this county will develop all of western Kansas.

There are many in the western counties who say that trees will not grow out there. This same statement was made in regard to Rice county, but by cultivating trees that are adapted to our climatic and soil conditions they have grown quite well, and they will grow in western Kansas.

In the fall of 1874, after the grass hopper raid, I could not have traded my homestead for a good Texas pony. Today it is worth many thousands of dollars and would be easily salable. One of the reasons for this condition lies in the fact that hedges, timber belts and groves have been grown and through them other phases of agriculture have been made possible. I think that there is now and will be sufficient rainfall to make crops in western Kansas, but it must be utilized to the best advantage. The dry farming system, if industriously adhered to in connection with tree culture, will bring success, but nothing short of this will do it.

Now the foregoing may sound dogmatic, but I speak from experience and observation covering a long period in a county which had no more apparent advantages than do those of western Kansas today, and any information I may give is intended for the best interests of those who are seeking to make a home in western Kansas.—Dr. G. Bohrer, Lyons, Kan.

Pretty dry? Well, the only solution to the dry weather problem in the corn field is to keep on cultivating. Don't cultivate deep, but keep the ground fine and the weeds well killed out. The dust mulch is worth dollars in the corn field just now. Even a little crust on top or a hard place in the earth will cost you corn, and corn is cash.

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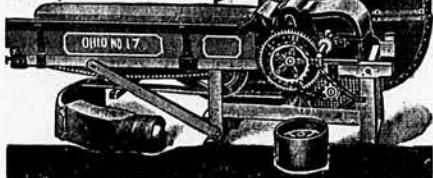
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ITEMS FROM KANSAS FARMER OF 1863

The Kansas Farmer was established on May 1, 1863, as the organ of the Kansas State Agricultural Society, which later became the State Board of Agriculture. It was edited by the late Judge F. G. Adams, who was Secretary of the Agricultural Society.

The first issue contains a list of the names of the officers of the society on the front page with a roll of life members on a subsequent page. In the announcement of the objects and purposes of the Kansas Farmer is found the statement that its subscription price is 50 cents a year, payable invariably in advance. It was then a monthly publication and the invitation to advertisers was worded as follows: "Appropriate advertisements will be inserted for \$1.00 per square of ten lines, each insertion. One thousand copies will be printed from the commencement."

In addition to the constitution of the State Agricultural Society, the first number contains a voluminous report of a farmers' class meeting, in which the raising of grapes, tobacco, osage orange and cotton are the only topics discussed.

Referring to grape culture one member stated that a spade is the best implement to cultivate with, as a horse and plow will spoil more grapes than they do good, and further states that grapes will do well on bottom land, but will not be suitable for wine making.

Dr. Irwin of Brown county stated that six years ago (in 1857) a man camped on a creek near his home and sowed a handful of blue grass seed around his camp which has now run out the wild grass for several miles down the creek. It keeps green all winter and is fed down close by the stock, and he feels sure that blue grass will grow in Kansas.

Hon. W. Spriggs, State Treasurer, was largely engaged in farming in Anderson county. He furnished the Society with an estimate of the profits from raising 100 steer calves until they were fit for market. His figures are as follows: 100 calves at \$3.00, \$300; cost of keeping, first year, at \$2.00 per head, \$200; cost of keeping second year, at \$2.50 per head, \$250, cost of keeping third year, at \$2.50 per head, \$250. Whole cost in the fall, after 3 years old, \$1,000. Selling price, at \$25 per head, \$2,500. Profit, \$1,500.

President L. D. Bailey of Emporia urged the members to undertake the raising of live stock as a profitable industry in Kansas. One of his arguments was to start with one cow and get more as fast as possible, as large capital was not needed. To prove this he showed that the progeny of one cow in ten years would amount to 144 head if the cow had a heifer calf each year, and each heifer should begin to produce at the age of 2 years. At the same ratio, the progeny of this cow at the end of 20 years would number 20,736 head.

The ever present question of a state fair was a live one in Kansas in 1863. It was announced by the President of the Agricultural Association that a state fair would be held that fall, but that the selection of a place and the general arrangement had been left to the President and Secretary.

Major General John D. Scott of the Kansas State Militia lived in Leroy, and was then considered an old settler, as he came to Kansas with the Sac and Fox Indians in 1846 from Ft. Des Moines, Iowa. During the season of 1863 he owned 650 acres of land near Leroy, 500 head of cattle, 130 head of hogs, 40 head of horses and a few sheep. He put up 200 tons of hay the preceding season, which cost him approximately 75 cents per ton.

"J. T. Houghton, who lived at Blantons Ridge, five miles south of Lawrence, sold 25 head of steers for the nice little sum of \$1,186.50, an average of \$47.50 per head or \$95 per yoke. He also sold a Durham bull for \$100 and considerable other stock at paying rates. Who says farming does not pay in Kansas?"

"Mr. Stillson of Blue Mound had seven sheep killed by dogs one night in April. The sheep were in a yard near his house and the dogs belonged to his neighbors. Those seven sheep were worth more to Kansas than all the cur dogs in it."

EVERY HAY GROWER Should Get This Great Free Book!

This valuable book—written by a man of 25 years' experience in hay—is full of live pointers: How to cure hay, when to cut, how to take advantage of the market to get top notch prices, etc.

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\$3,000,000 Spent To Make a \$1,000 Car

Over \$3,000,000 has been invested to make Overland cars cost less than any others. The saving all goes to our buyers.

We are making a 25-horsepower Overland for \$1,000 this year. It has a 102-inch wheel base—a possible speed of 50 miles an hour. There is not a road in America—not a hill with a road up it—which this car cannot travel.

We are making a 40-horsepower Overland, with single rumble seat, for \$1,250. It has a 112-inch wheel base. Every price which we quote includes five lamps and magneto.

As a result of these values, Overlands have become the most popular cars in existence. Over 20,000 people will buy them this year. Let us explain how we give such remarkable cars for the money.

Automatic Machinery

We have spent some hundreds of thousands of dollars on special automatic machinery. Each machine is devised to make some part in the most economical, most exact way.

Here is a machine which enables one man to do the work of sixty men. Here is a machine which performs thirty operations in the time which another machine took for one.

Here is a welding machine which brings steel to white heat while one is taking a breath. Here are rows upon rows of automatic machines doing the work of an army of experts far better than experts ever did it by hand. The sum of their savings—on the thousands of parts which go into a car—saves hundreds of dollars on an automobile.

Other Economies

One whole factory—every machine and every man in it—is devoted to one model alone.

There are separate factories for the different parts, so that all can be made in the most economical way.

Then we have an output of \$24,000,000 per year. So the overhead expense—which in some cars amounts to a fourth of the cost—is but a trifle per car in the Overland.

Those are some of the reasons why no other car can compete with the Overland.

Utter Simplicity

Yet the man who knows would give more for the Overland than for any other car in its class. It is so simple, so easy to care for, so trouble-proof, that it appeals to experts and novices.

The Overland has fewer parts than any other automobile. All the complexities have been eliminated. The car almost cares for itself.

Many owners write of running it thousands of miles without even cleaning a spark plug.

The operation of the car is by pedal control. One goes forward or backward, fast or slow, by simply pushing pedals. A child can master the car in ten minutes. A young woman is now running one of the cars from the Atlantic to the Pacific.

Overlands are used in the U. S. Mail service because of their proved reliability. Each car does the work of three horse-drawn vehicles.

Numerous large concerns supply Overlands to their country salesmen, because any man can always keep them going.

On a ranch in Texas, 15 men in Overlands are doing the work of 50 men on horses.

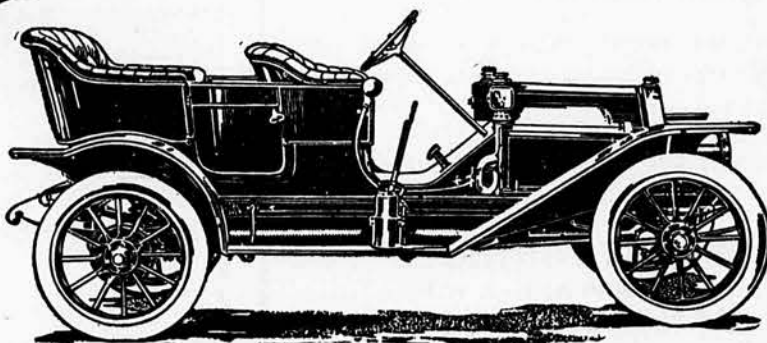
Ask for the Facts

More people are buying Overlands now than any other car in the world. You should know all the reasons, for those reasons will appeal to you. If you will send us this coupon we will mail you a beautiful catalog, giving all the facts and picturing all the styles. Please cut out the coupon—now—before you forget it. Learn the facts about this remarkable car.

We have dealers in 800 towns.

The Willys-Overland Co. K-66
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Please send me the catalog free

The Overland



The 40-horsepower Overland costs from \$1,250 to \$1,500, according to style of body, etc. The wheel base is 112 inches. All prices include gas lamps and magneto.

How To Have Hog Health —Use Merry War Lye

Will you take a little friendly advice Mr. Hog Raiser, from one who wants to see you increase your pork profits? Then, please listen to this:
Just keep a supply of "MERRY WAR" LYE on hand, and mix and feed it with slop the year 'round. This simple, easy, inexpensive method will surely solve your hog troubles, for "Merry War" Lye was specially prepared to prevent and cure worms and cholera in hogs—and does it!

Save Those Fat Sides and Shanks

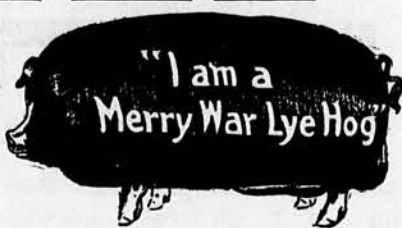
You know very well what it means when a hog loses interest in life and slinks around with a vacant stare in his eyes, hair standing up, appetite, growing less as he gets thinner and thinner every day.

Right here is where you want to get busy, Mr. Hog Raiser, if you want to save your carefully nursed profits in flesh and fat. For you'll never—NEVER—"cash in" on those fast vanishing sides and shanks, unless you quickly prevent Mr. Ailing Hog from passing in his checks and becoming food for the rendering vat instead of prime hams and bacon for the breakfast table.

"Merry War" To The Rescue

Now, don't blame the Sick Hog! Cure him! Help him and fatten your pocketbook—by using "Merry War" Lye, the only absolutely unfailing, sure specific for worms, cholera, and all hog troubles.

And remember this: An ounce of prevention is worth a pound of cure, when it comes to the matter of hog health. Don't



wait until your hogs are down sick, but keep them well.

It's your fault, if they are not always in prime condition, because it's simply a matter of a little common sense and a little "Merry War" Lye.

Just Try This

Tablespoonful "Merry War" Lye mixed with slop for ten hogs, or one-half can with barrel of swill for larger quantity. Stir well, feed night and morning.

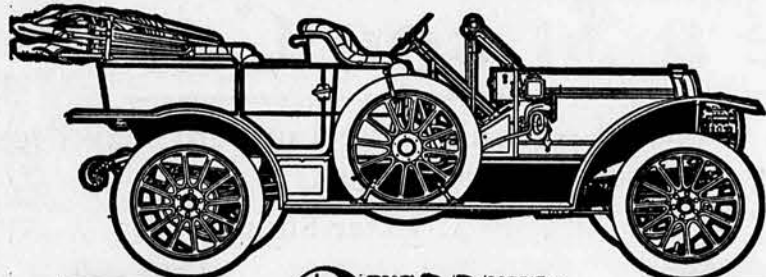
In a few days see marked improvement in your hogs. It cleanses the system, tones the digestive organs, puts sick hogs in prime condition and renders them immune from contagious diseases. This trial will convince you and the expense is too trifling to think about.

None "Just As Good"

Ask your dealer for "Merry War" Lye—and insist on getting it! There are other brands of lye put up for certain household uses, but only one—"Merry War"—is absolutely safe and specially prepared for preventing and curing cholera, worms and all hog diseases.

Explain this to your dealer, and if he can't supply "Merry War" Lye, write us and we will tell you of a dealer who can. We will also send you a valuable book—FREE—on "How to get the biggest profits from Hog Raising."

"Merry War" Lye comes in 10c cans or 24 for \$2.00, at Grocers' or Druggists'. Ask for it today sure.
E. Myers Lye Co., Dept. 12 St. Louis, Mo.



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The water, the climate and the general health conditions of the country are ideal. No long, cold winters; no extreme heat in summer; no swamps; no malaria, and no mosquitoes.

You can buy these lands at from \$15 to \$25 per acre. Write us for more detailed information and your letter will receive careful attention.

Write me today.

S. G. WARNER,
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LIVE STOCK



Protect the Live Stock From Flies.

Apply with a spray, pump, or brush a half pint of the following mixture to the family cow every other day for about six applications, then every fourth to sixth day as necessary:

Cut finely two cakes of common laundry soap and heat enough water to dissolve it. Add 1 1/2 pounds of resin, one-half pint fish oil and one-half pint kerosene. Mix well and then add enough water to make three gallons of the mixture. Try it and report the results to your neighbor. A little of this applied to the horse would be humane treatment, but as his skin is much more tender than that of the cow, it should be applied more lightly and the kerosene should be left out.

While young stock is running in pasture and the spraying process is impractical, a piece of burlap saturated with the solution nailed or hung upon posts or in sheds in a way to allow the animals to rub against it to brush off the flies will do wonders. For young stock this solution could be changed to a 5 per cent solution of the ordinary dips, the coal tar products and water.

Flies may be kept out of the barns to an extent depending upon the cleanliness of the place by scattering lime over the floors to absorb the moisture and spraying the stalls and walls with a thoroughly mixed 10 per cent solution of coal tar dip, cresol or crude carbolic acid.

All litter should be carefully swept out and the stable kept dark as possible and as free from barn odor as possible.—Dr. F. S. Schoenleber, State Veterinarian, K. S. A. C.

The Swiss Milch Goat in America.

It may be of interest to many readers of Kansas Farmer to know that there are now in the United States a limited number of pure bred Swiss milch goats. To the uninitiated the name may not convey much, but when it is considered that 75 per cent of the households of Germany keep goats, probably more in Switzerland, they appear to be a necessity there, and their utility is already well known by our citizens of foreign birth.

There are some sanitariums in this country that have them, while nearly every sanitarium and health resort of Europe have their quota of goats that a liberal supply of milk might be had for their patients. The almost total immunity from tuberculosis, no doubt, will recommend them for many purposes. In Germany, where all slaughtered animals are subjected to a rigid examination, in one district one-half of 1 per cent of the goats slaughtered were infected with tuberculosis, while 45 per cent of cattle were infected. Unless one knows, he cannot realize the crowded and unsanitary conditions under which live stock are kept in that country. And it certainly speaks well for the goats' resistance to disease to keep the percentage so far below that of cattle.

Thus its freedom from disease and the ease with which the milk is digested, makes it much more desirable for infants and invalids. Goat's milk often being retained on a weak stomach when it would rebel at everything else.

The cheeses that are made from goats' milk are excellent, and any one who has tasted the genuine Roquefort, Ricotta, Schweitzer, or Alten-

burger can attest to their superiority. Several French cheeses also have the same source, one estate near Lyons, France, keeps 12,000 goats for this purpose, while another, near Mt. d'Or, France, has 15,000 goats to do their part in making cheeses that are shipped over the world.

The general impression is that the milk has a strong flavor. With proper care in handling, cleaning milk pans and strainers, the milk remains sweet and pure for a long time, many people not being able to discern any difference between that and cow's milk.

The imported goat, Patricia 145, gave between three and four quarts of milk per day for two years and nine months; the last two months the milk dwindled until she went dry. When fresh this spring she gave, during the first three months, over 1,000 pounds of milk, or more than 5 quarts daily, while Betty 236, gave nearly 900 pounds during that same time, and that on her second time kidding.

The tests in Germany go to show that one cow will eat as much as



Patricia 145, Record 1,000 pounds of milk in 3 months. Betty 236, Record 900 pounds in same time.

eight goats, now how many cows are there that give 7,000 or 8,000 pounds of milk in three months? The ease with which a goat can be kept in one's own barn yard, free from outside influences and on such small amount of feed, makes it especially to be recommended where the family or infant's milk supply must depend upon the uncertainty of the milk man, and if the baby decides to go to the mountains for the summer, pack the goat in a crate and take her along, also.

As for cleanliness, I have seldom seen an ordinary town cow that was clean, while many are filthy. Goats keep clean, never lying down in filth, always preferring the open air. I have seen them sleep in the open in zero weather, preferring it to a nice warm barn.

The prejudice that exists in this country against goats in general need not be extended to the pure bred Swiss goat. When one speaks of a dairy cow, the Texas long-horn is not thought of. There are many people who would be greatly benefited if they had a constant and pure source of milk supply, and with a goat could keep it just as clean as they pleased.—C. F. Pfuetze, Manhattan, Kan.

Secretary A. L. Sponsler, of the Kansas State Fair at Hutchinson, gives it as his opinion that some people have a wrong idea of the turf. "It certainly is not wholly for amusement purposes. It is not just the races, but for the development of that breed of horses called the standard-bred horse, the American horse, and he has always had distinctive characteristics. He comes to us through civilization, from Spain, through England to this country, where we have developed him to the highest perfection, and it is the turf that has developed him. The handling of a certain breed of horses is a matter of selection, but the high standing of the American horse has been attained through the instrumentality of the turf."



Time Has Told

You don't need to experiment on a remedy for Spavin, Ringbone, Curb, Splint, Capped Hock, Swollen Joints, or any lameness of horse or man.

Kendall's Spavin Cure

has been the unfailing remedy for 40 years.

Silver Creek, N. Y., Apr. 8, 1909.

Dr. B. J. Kendall Co., Enosburg Falls, Vt.

I have used Kendall's Spavin Cure for the last 15 years, and it never has failed to do all that is claimed for it. Would not be without it. C. A. Dahlman.

\$1 a bottle, 6 for \$5. At all drug stores. Ask for free book, "Treatise on the Horse," or write to—

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\$5 We are jobbers \$50 to \$1000 Engines lower than elsewhere G Price as low as you can get 5-11.

DAIRY



Summer Care of the Dairy Cow.

The present hot, dry season is proving to be a most disastrous one for keeping up the milk flow and it will be necessary to use extreme measures to prevent a severe loss. Reports have been received from various parts of the state telling of dry pastures and a severe decrease in milk production. This is a most serious condition when we consider the month of June as the best in the year for pastures and volume of milk produced.

As most of the cows freshen in the spring they should be, at this season of the year, at the height of their production. If they are allowed to shrink now they are apt to be unprofitable fall and winter producers. It must be understood that a cow must produce a certain amount of milk and fat during the year in order to prove a profit to her keeper. Thousands of cows are made unprofitable through the lack of food at critical seasons of the year, and this is certainly a most critical season.

The first cutting of alfalfa has now been harvested and milch cows should have access to some of this new hay. They should also be given a small grain ration which could be given in amounts according to the production of the cow. As the flies are getting very bad, it is well to use once or twice a day, some fly mixture which can be put on with a hand sprayer.

The milker will find his work more agreeable if he would put his cows in a dark stable while they are being milked. If this is impossible, he can use a gunny sack blanket, which thrown over the animal during milking time, will prevent switching and discomfort to the cow and milker. The main quality for unprofitable production may be expressed by the simple term, "cow comfort." In other words, when a cow is comfortable, she can then do her best. Should she be tormented with flies, forced to eat short, unpalatable grass or suffer hunger, it is impossible for her to make her most profitable production.

We are quite likely to get some good rains later on in the season, which will revive the pastures and give the animals more succulent feed, but until such a condition is had, the feeding process must go on. Few cow keepers realize the great difference in profit between cows giving a normal flow and those reduced to a scant flow. Briefly, this may be explained in the following way:

A thousand pound cow requires each day about 12 pounds of alfalfa hay to sustain her. This is termed the "maintenance" part of the ration. If this cow is producing 30 pounds of 3 per cent milk, she will need about 40 pounds of alfalfa hay per day to make the milk. This added to the 12 pounds for maintenance, would mean she must receive 52 pounds of hay. The same figures in terms of grass would mean she must eat 37 pounds of grass for maintenance and 66 pounds of grass for production, or a total requirement to keep up the body and milk flow of 103 pounds of grass, which under the present conditions, is a physical impossibility. This also illustrates the need of feeding grain to cows giving a large flow of milk when on pasture, for they need some condensed food in order to furnish enough nutrients for requirements. It is quite impossible for a cow to eat 100 pounds of grass per day, even on the best of pastures.

The unprofitable result from under feeding may be explained as follows: Where cows are given less food than they require for maintenance and milk production, the milk production must suffer or the cow. Fortunately our cows protect themselves and the result is the cows live but gradually go dry. The man who would save money by saving feed comes to this sad ending, that he is simply boarding his cows, which receive only enough to maintain themselves and naturally give little or nothing for profit. If his cows are receiving only enough food for maintenance and production equiv-

alent to pay for food consumed and labor expended, then he is receiving no profit from his cows. This is why no man can afford to underfeed a milch cow, and he had better sell his animals than attempt to carry on his business on this plan.

The future is very bright for the dairyman, as dairy products are sure to be high this fall and winter, and if he has some good cows he may be encouraged by knowing that no animal on the farm is more economical in its use of food than a good dairy cow, and he is assured that, however high hay or grain may go, he will be able to feed his cow with a profit long after his other farm animals cease to pay a profit.—A. L. Haecker.

Dairy Bred Steers.

In an address before the American Holstein-Friesian Association Prof. C. D. Smith of the Michigan Agricultural College reported upon the comparative value of dairy and beef bred steers in the following words:

"We turn next to a consideration of the dressed carcass, and ask the steers whether, on the average, beef bred animals give a higher percentage of high-priced cut than do Holsteins. Here we are forced to find a state of facts existing quite contrary to our preconceived ideas and in fact, quite contrary to judgment of the markets—facts which seem to relegate that judgment to the realm of unwarranted prejudice. Let me quote one instance of an experiment conducted at the Iowa station, in the very heart of the cattle feeding area of the United States. At this station, Shorthorn and Holstein steers were fed, and when fattened, sent to the Chicago yards for slaughter and subsequent examination.

PER CENT OF THE VARIOUS CUTS OF THE DRESSED CARCASSES OF THE HOLSTEIN AND SHORTHORN STEERS.

	Shorthorn.	Holstein
Loins	17.1	16.6
Ribs	9.9	10.2
Rounds	22.9	23.3
Chucks	21.1	21.9
Plates	15.4	14.2
Shanks	5.7	6.4
Minor Cheap Parts..	7.9	7.4

"I submit that these figures indicate no superiority on the part of the beef breed as far as yield in percentage of high-priced cuts is concerned."

My Favorite Cow.

The Holstein men are "sot" and queer, And howl like coyotes far and near, If some lone man makes a gentle row, That his love goes forth to the dual cow.

I've milked the Holstein grand and good;

The Jersey fair as a milkman should. That's why I know for a farmer's need,

None excels the dual breed.

My pen in praise I can't control, When the Holsteins hook at the good Red Poll,

And the Shorthorn, too, I have known for years, And the Holsteins sigh when she shows her steers.

But the queerest thing in the world to me,

Why men just ache to disagree! The world is large and there's room for all—

Now, Mr. Specialist, please cease to bawl."

—J. E. H., Lyon Co., Kan.

The National Dairy Show at Chicago.

By action of the Board of Directors of the National Dairy Show the place for holding the 1910 show has been changed from Milwaukee to Chicago and the dates fixed for October 20 to 29. A good many reasons for making this change at this time are assigned by Secretary H. E. Van Norman of State College, Pa., but chief among them seems to have been a lack of co-operation on the



Now The Time To Buy A DE LAVAL CREAM SEPARATOR

The hot weather "dog days" are at hand when you need a DE LAVAL Cream Separator most, with its great time, labor and quality savings over any gravity system or any other so-called separator.

Considering the season and high butter prices there never was a better time to make this most necessary and profitable of all dairy investments, with one cow or a thousand, than right NOW.

Don't foolishly put off this wise purchase that will half save its cost by autumn and fully so by another spring. In addition to the oceans of comfort and satisfaction its use brings to the whole family.

The De Laval Separator Co.

109-107 BROADWAY NEW YORK
42 E. MADISON ST. CHICAGO
DRUMM & SACRAMENTO STS. SAN FRANCISCO
172-177 WILLIAM ST. MONTREAL
14 & 16 PRINCESS ST. WINNIPEG
1010 WESTERN AVE. SEATTLE

PROTECT YOUR COWS FROM FLIES.



The increase in the milk more than pays the cost of Sheet

Heavy Drill, Price \$2.25 each.
Heavy Burlap, Price \$1.25 each.
If your dealer does not have them, send us direct. We make all kinds of covers for hay wagons, etc.
Fond du Lac Awning & Tent Factory, Dept. 52, Fond du Lac, Wis.

ONE-MAN HAY PRESS

ONE OR TWO-HORSE, AND GASOLINE BELT POWER.



Self-Feeder, Self-Threader and Knitter. All Steel, full circle. We guarantee 1 ton an hour with ONE MAN to operate (1 1/2 tons an hour two men). We sell on FREE trial. TUTTIE HAY PRESS CO., 621 S. Adams St., Kansas City, Kansas.

part of Milwaukee and the better facilities offered by Chicago. The National Dairy show is one of the big things of the country in an agricultural way and the directors naturally want it located near the center of the dairy industry and where the accommodations will be ample. At present Chicago seems to be the best place.

The cow is a creature of habit. She comes up to be milked at the same time each day and she expects to be fed and milked in her regular turn. Any disturbance of her quiet life or habits will affect the profit she returns.

WINDMILL INSURANCE

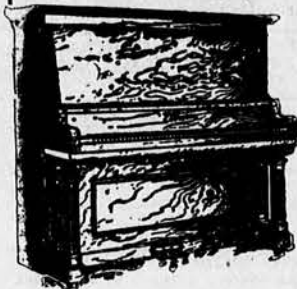
WHAT'S the use of wasting good money on a windmill outfit for the wind to down when you can just as easily, and for about the same price buy an outfit which its manufacturers, for a nominal fee, will insure for five years against tornadoes, cyclones, run-away teams—in fact against anything and everything except willful act or willful neglect.

The Goodhue Windmill

is the only windmill made that is so insured, because the Goodhue is a windmill that is built right. A postal card will bring you the proof and a free book in which you will find more practical information about windmills than can be obtained from any other source. WRITE TODAY.

APPLETON MFG. CO.
19 Fargo St., Batavia, Ill., U.S.A.

MAKE THE TEST Ask About Our Pianos and Prices



\$225 Buys the ELBURN H-2—the Best Piano in the world at the price, \$6 monthly pays for it.

It has ever been our aim to sell good trustworthy Pianos at so much lower prices than other dealers can, that people will talk about us and advertise us. We couldn't do this if we paid commissions and we could not have grown the way we have grown if we had resorted to the sliding price tricks of many stores. We welcome an X-ray investigation of our Pianos and our selling system. The best proof of the honesty of both is the fact that no other Piano store in the entire country has made the record that Jenkins has.

ONE PRICE, THE LOWEST, COMMISSIONS TO NONE—THE BEST PIANOS MADE, AND THE LOWEST PRICES—Simply summed, that's what this store offers you. Make the test, compare the Pianos and the prices—see if every word of it is not the truth. Write today.

USED PIANOS—SCORES OF BARGAINS—many of them as good as new. All of them priced at 1-3 to 1-2 their original value.

We are also factory distributors for STEINWAY, VOSE, WEBER, KURTZMANN, ETC.

Write for catalogs. Address Piano Dept. No. 2. J. W. JENKINS SONS MUSIC CO., Kansas City, Missouri

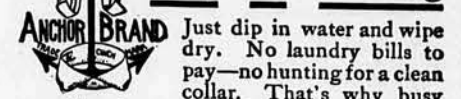
DAISY FLY KILLER



Need, clean, ornamental, convenient, cheap. Lasts all season. Made of metal, cannot soil or injure anything. Guaranteed effective. Of all dealers or send prepaid for 20 cents. HAROLD SOMERS, 150 DeKalb Ave., Brooklyn, N. Y.

Anchor Waterproof Collars

Need No Washing



Just dip in water and wipe dry. No laundry bills to pay—no hunting for a clean collar. That's why busy men like them. Look just like linen collars. All the good, sensible styles. Plenty of room for necktie. Worn with any kind of shirt. Sold by dealers everywhere. If your dealer doesn't have "Anchor Brand," write for sample of material and catalog of styles.

CAPITAL COLLAR & CUFF CO., Manufacturers, Lincoln, Neb.

\$33.50 AND UP Galloway

"BATH IN OIL"

High Grade Separator—Direct Save \$25 to \$50 direct at my factory price—freight prepaid. Get the only Separator that runs in "Bath of Oil," like a \$5,000 automobile. This alone is worth \$50 extra, but costs you nothing extra.

Take 90 Days' Farm Test—Freight Prepaid Why pay \$85 to \$110 to dealers or agents who cannot sell you a separator equal to the Galloway—closest skimmer—easiest run—easiest cleaned—10-yr. guarantee. Send for BOOK FREE WM. GALLOWAY CO. 283 Galloway St., Waterloo, Ia.

Readers Market

Classified Advertising 3 Cents a Word

Advertising "bargain counter." Thousands of people have surplus items or stock for sale—limited in amount or numbers hardly enough to justify extensive display advertising. Thousands of other people want to buy these same things. These intending buyers read the classified "ads"—looking for bargains. The "ads" are easy to find and easy to read. Your advertisement here reaches a quarter million readers for 3 cents per word, for one, two or three insertions. Four or more insertions, the rate is 2½ cents per word. No "ads" taken for less than 30 cents. All "ads" set in uniform style, no display. Initials and numbers count as words. Address counted. Terms always cash with order. Use these classified columns for paying results.

HELP WANTED.

GENERAL AGENT WANTED FOR THE state of Kansas. National Mail-box Signal. Rogers, Arkansas.

WANTED—YOUNG MAN TO LEARN blacksmith and wagon repairing. R. F. Allgeier, Home, Kansas.

WANTED—ECONOMICAL AND PARTICULAR people to take advantage of our prices and services. Western Printing Co., Ptg. Dept. of Kansas Farmer, Topeka, Kan.

WANTED—LOCAL MEN TO TAKE ORDERS for high grade western grown nursery stock. Experience unnecessary. Outfit free. Cash weekly. National Nurseries, Lawrence, Kansas.

REAL ESTATE.

BUY OR TRADE WITH US. SEND FOR list. Bersie-Mercedies, Eldorado, Kansas.

WE CAN TRADE YOUR PROPERTY—Book of 500 exchanges free. Graham Brothers, Eldorado, Kansas.

BUY THIS 80—60 ACRES CORN; 5 fruits; 3 vegetables; crops go. Leonard Hammond. Minneapolis, Kansas.

CATHOLICS—BUY FARM NEAR OUR \$80,000 church. Seven priests. Catholic community. Land. \$25 to \$65. Circulars free. Ed. George. St. Paul, Kansas.

FARM LOANS MADE IN ANY AMOUNT from \$500 up at lowest rates and on most favorable terms. Betzer Realty & Loan Co., Columbian Bldg., Topeka, Kansas.

IF LAND HUNGRY SEND FOR LIST: An improved, fertile, free fuel farm \$32,500. George Hill, Independence, Montgomery County, Kansas.

200 ACRE FARM (IMPROVED) FIVE miles from a Greenwood county town. 60 acres in cultivation, balance pasture. Price \$30 per acre, mortgage \$2,000. Bersie, Eldorado, Kansas.

FOR SALE—140 ACRES ¼ miles Jewell. 6-room house, large barn, outbuildings, 60 acres good bottom land, 120 acres broke, 40 acres alfalfa. Price for quick sale, \$10,000. Have other bargains. Address Denton Realty Co., Jewell, Kansas.

DON'T RENT. HOME OF YOUR OWN—160 acres, five and one-half miles Tribune, county seat of Greeley county, Kansas; smooth, unimproved, best soil, neighbors close, \$1,400, of which \$600 must be paid in cash, balance \$100 each year for 8 years, interest 6 per cent. No trades; new railroad north and south through Kansas will pass near this land. Clement L. Wilson, Box 148, Tribune, Kansas.

OREGON THE STATE WITH THE greatest opportunities. We have for sale fruit ranches, stock ranches, timber lands, and mineral lands. Let us know your wants. Splendid homes near good towns. Let us answer your questions about climate, prices of land. Rainfall in this beautiful valley 42 inches per annum. "There are tides in a man's life taken as the flood leads on to fortune." Write us now. Tebault Real Estate Co., Albany, Oregon.

LANDS WANTED—WANT WESTERN Kansas, good, low priced, unimproved lands, for investment. We are well posted and price must make them a special object or snap. Land Investment Company, Chanute, Kan.

POULTRY.

FINE BARRED ROCKS—GOOD LAYERS, farm range, eggs, \$1 for 15 or \$1.75 for 20, or \$5 per 100. Mrs. John Yowell, McPherson, Kansas.

PURE BRED POULTRY

D. W. YOUNG STRAIN

of S. C. White Leghorns, prize winners at three state shows. Eggs, \$1.50 for 16; \$6 per 100. Barred Rocks, "Ringlet" strain, \$2 for 15 eggs. Eggs packed with care. C. H. McALLISTER, Carmen, Oklahoma.

WHITE PLYMOUTH ROCKS

(EXCLUSIVELY.)

For 18 years I have bred White Rocks, the best of all purpose fowls, and have some fine specimens of the breed. I sell eggs at a reasonable price, \$2 per 15, or \$5 per 45, and I prepay expressage to any point in the United States.

THOMAS OWEN.

Station B,

Topeka, Kansas.

PostCards 50 views of principal scenes in this and foreign countries. Send 25 cents in stamps and get them. Address EDWIN ERNST, 518 W. 7th St., Topeka, Kan.

Harness Shop

A \$3,000 stock of new goods will sell at cost and carriage. A good location in a busy town of 4,000. Only two shops in town. For particulars write TRUMBLY & BARRETT, Ponca City, Oklahoma.

POULTRY



The Kansas Agricultural College has been giving more time and spending more money in investigating poultry conditions and in promoting the poultry interest than any other Agricultural College in America. Now, in addition to all this other work that is being done, the Agricultural College has employed Dr. Maure, a bacteriologist, to make a special study of the quality of eggs as modified by health, food and care. The college believes it can develop the money value of the egg product of Kansas.

Governor Hughes of New York has signed the Cornell University appropriation bills, carrying \$90,000, for the poultry department. This is going to help poultry interests not only at Cornell and in New York state but all over the country. It means that at the New York State Agricultural College at Cornell University, the poultry department is to be on a level with other departments in accommodations and equipment. It means a fine poultry building added to the magnificent buildings of the agricultural group. It means better facilities for instruction on poultry lines at Cornell, and ultimately students better qualified for poultry culture. Cornell has already taken a front rank among agricultural colleges in the poultry line and we learn that two of her graduates are to come to our state and take charge of the poultry department of the State Agricultural College at Manhattan. Our legislators ought to follow the lead of the New York men and give the poultry department at Manhattan a liberal appropriation to carry on their poultry experiments.

Fowls suffer as much from heat in summer as they do from cold in winter; therefore it is just as necessary to provide a shady spot during the summer months as it is to build warm houses for winter. It would be a surprise to most farmers to know of the large number that have shadeless poultry yards. We have visited dozens of poultry places that were up to date in every respect except shade. It is positively cruel to permit the faithful biddies to scorch and swelter in the summer sun.

Remember that the chicks are growing rapidly and the coops that were large enough for them a month ago, are decidedly too small for them now. Larger coops or a small house should be provided for them. A good, deep shed, open side facing the south, with the roosts far back from the front, makes an excellent place for the weaned chicks. The open side should be inclosed with fine, strong wire netting. It is a good plan to have a muslin curtain inside, that can be let down windy nights, if desired. A foot-wide board should be across the bottom of the open side, to which the wire netting should be fastened.

The dust bath probably needs attention. Renew same and see how the chickens will rejoice. If given a place to dust themselves the hens will keep themselves free from lice.

The litter of the poultry house or scratching shed should be renewed. Nothing will please the fowls better than nice fresh floor litter in which to scratch for stray kernels of grain.

Never in the history of the west has poultry paid so well as the present time. This should induce every farmer to pay more attention to his poultry, for it is fast becoming as big a source of revenue as his hogs or cattle, only the farmer is more neglectful of his fowls than any other thing he raises on the farm. Some farmers haven't even a decent shed for their fowls to roost in.

Not enough importance is placed on the value of good air-slaked lime for use in the poultry house and on the runs. Properly used, the lime is of great sanitary value. It will counteract disagreeable odors. A free use of air slaked lime on chicken runs where gaps prevail is exceedingly beneficial. Its use no doubt also destroys other germs and bacilli. The wise poultry-

man will always have a good supply of lime on hand and use it.

A mess of potatoes, carrots or cabbage chopped fine should be given frequently to fowls, both young and old, for scarcely anything conduces as much to their general healthfulness. All through the year vegetables are relished. Chop the vegetables fine and mix them with scalded or moistened cornmeal, or feed them raw or cooked, without meal. The fowls highly relish such a meal, and soon clean up every scrap.

We have said it before, but it will bear repeating. If you would have your growing chicks thrive, see that they are free from lice.

Warm weather is a great breeder of lice; dust your chicks every two or three weeks and they will grow all the faster for being rid of parasites.

With feed so high, it is folly to keep any poultry on the place that is salable, and that is not needed for next season's work.

All the old hens that have quit laying should be sold at once. The butchers are paying a good price for them and it is a waste of money to keep them till fall or winter, unless you have some extra good ones that you need for next season's breeders.

Remember it is the early hatched pullets that ought to do the laying next winter, and it is policy to save them for that purpose and not the old hens.

The young roosters ought all to be sold as broilers for they will bring a much better price if sold now, than if kept until fall, and you save the cost of the feed and avoid the chances of loss in the meantime.

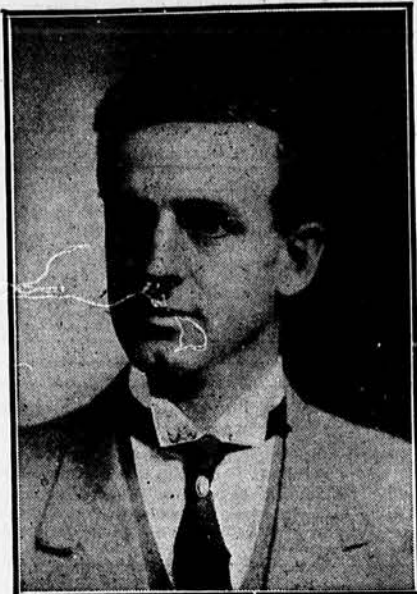
See that all the chickens, especially the growing ones, have plenty of pure water these hot days. They consume an enormous quantity during warm weather and the water receptacles should be replenished quite often during the day.

Shade is necessary for all chicks during the heat of summer. This may seem a trite saying and hardly worth while making a note of, but in passing a poultry yard we saw chickens suffering for shade and water.

It is very important that laying hens should not have access to any putrid animal matter. If the eating of such does not cause the hens to die, as it often does, it certainly will impart the flavor to the eggs. The U. S. Agricultural Department has proved that flavor can be fed into eggs. A half ounce of chopped onion tops, per hen, was daily fed. Not until the 15th day did an onion flavor appear in their eggs. The amount of onion was then doubled for four days, and the eggs could not be eaten. So it is possible for a fresh laid egg to be uneatable.

Eggs used in the arts amount to millions. Calico print works used 70,000,000 dozen eggs last year. Photographic establishments use millions of dozens and wine clarifiers call for over ten million dozen. The demand from these sources increases faster than the table demand. Eggs in great quantities are used by bookbinders, kid glove manufacturers and for finishing fine leather.

Arrange your poultry house so that most of the cleaning can be done with a broom. To do this, keep the floor well covered with dry earth and when the house is to be cleaned, simply sweep off the floor and scatter fresh earth, using an extra quantity under the roosts. In this manner the work can be done in a few minutes and the droppings can be placed in barrels and the earth will assist in preserving them. Dry earth is one of the best absorbents and deodorizers that can be found. If placed in the brooders the small chicks will thrive much better than if allowed on the bare boards.



THOMAS E. WAGSTAFF'S RECORD on the prohibitory law is not surpassed by any man in the state of Kansas. It is due to the efforts of this young man more than to any other man in Kansas that the crusade which stamped out the joint system was started. Now he is asking for the nomination for governor on the Republican ticket, with a promise to the people that **USELESS** state employees will be cut out, and state expenses be reduced to what they should be.

WHY REPUBLICANS OF KANSAS DEMAND

Tom Wagstaff for Governor

1. Because State Taxes Ought to Be Less

State taxes, in first year of Governor Stubbs, increased nearly one million dollars; to be exact, \$930,571.42—or over 42 per cent more than the preceding year—and Kansas hasn't any more to show for the increase.

2. Because Republicans Don't Care to Have Taxes Increased Still Another Million of Dollars

Governor Stubbs favored in the legislature of 1909, SEVEN boards and commissions, all to be appointed by the Governor, the total cost of which were \$953,000 (as estimated by the Ways and Means Committee of the House). The legislature turned down these boards, but Governor Stubbs seems still to favor them, and in fact is advocating a part of them in his speeches, so if he is re-elected, the people must expect still another increase in State Taxes of practically \$1,000,000.00.

3. Because Mr. Wagstaff is Opposed to the Unjust Inheritance Tax Law

This law was passed by the last legislature and endorsed and approved by Governor Stubbs. Governor Stubbs in his speeches two years ago promised the taxpayers an inheritance tax which would catch swollen fortunes. Instead he gave the people a law which levied an EXTRA TAX on the widows and orphans of every man who dies owning a farm in Kansas. No matter how many years a farmer has denied himself and his family, everything beyond life's bare necessities to get his farm paid for; no matter how many years' taxes he paid, when his farm wasn't really his own—on top of all this—his widow and children must pay extra, as a penalty for his death, and then continue paying the regular taxes, as long as they may keep the farm. And for each subsequent death of owners, there is still another extra tax to pay. Mr. Wagstaff is pledged to the repeal of this law.

4. BECAUSE OF THE UNJUST PROVISIONS OF THE PRESENT TAX LAW WHICH RAISED THE FARMERS' TAX 6 PER CENT AND REDUCED THE TAX ON CORPORATIONS 2 PER CENT. GOVERNOR STUBBS ADVOCATED AND WAS INSTUMENTAL IN THE PASSAGE OF THIS LAW.

DON'T BE FOOLED.

YOU owe it to yourself and your family to verify the facts as above stated, and then vote for your own best interests, which means a

Vote For Wagstaff for Governor

A Long Record of Satisfaction.

We have all heard of that trite and true expression—"time will tell." In other words, "time is the true test of merit." When an implement has stood the tests imposed upon it by thousands upon thousands of different people in all parts of the world, it is a sure indication that the machine is all right and that it has done, and will do all that the manufacturers claim for it. That is exactly the position the Buckeye grain drill is in. These grain drills have been constantly used for more than fifty years by successful grain growers in every part of the world where grain is grown. This proves that there is manufactured a Buckeye drill that can be relied upon to meet any seeding condition anywhere in the world. The farmer who wishes a hoe drill, shoe drill, single disk drill or double disk drill—the man who wants to use his grain drill for planting beets, peas, lima beans, red kidney beans, sorghum, bearded oats, treateo wheat, flax, rape, millet, grasses, clover and alfalfa; the farmer who wishes to sow commercial fertilizers with his crop; those who want a plain grain drill or a press drill—can get in the Buckeye line the drill that will do the work in the best possible manner—in other words, do it right. It is so strongly guaranteed that the purchaser is just as safe in ordering as in buying government bonds. The Buckeye is manufactured by The American Seeding-Machine Co., Incorporated, Springfield, Ohio. Write them for a Buckeye catalogue and then go to your nearest implement dealer and ask to see the Buckeye drill. ***

A little boy, on his first visit to the farm, saw his aunt plucking a chicken and asked:
"Do you take off their clothes every night?"

Willie had been a good boy, so papa took him down to the wharves to see the boats. The first thing the little fellow saw was a whistling, puffing little tug pulling a large cruiser. Finally, after a few minutes, Willie exclaimed:

"Oh, look, pop! The big boat's got the little one by the tail and he's squealing."

SCHOOLS AND COLLEGES

Get This Catalog
Of the West's Greatest
Business College

Here at this school we actually TEACH—we do not tell and then let the student absorb whatever knowledge he or she can remember. Our students are sought by the most discriminating and largest business houses in the West. And our students are enabled to hold their positions and advance rapidly because of the training they have received.

We want to place our 1910 Catalog in the hands of every young man and woman who is thinking of going to a business college. You cannot decide on the BEST business college for yourself unless you first read our catalog. It will be sent absolutely free. Write for it today.

C. T. SMITH, Pres.,
KANSAS CITY BUSINESS COLLEGE
Box 112, Kansas City, Mo.

LEARN TELEGRAPHY IN 5 MONTHS

Sure Job on Santa Fe. Pays from \$53.00 to \$165.00 monthly. School has R. R. wires giving actual experience. Owned and operated by Santa Fe R. R. Write today for full information—costs nothing.

SANTA FE TELEGRAPH SCHOOL
DESK F., TOPEKA, KAN.

WE offer a thorough, practical Commercial course. Our graduates are always in demand. Next term begins Sept. 6. For catalog address

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The best College for the education of women west of the Mississipp. Send for catalog.
H. N. QUISENBERRY, Pres.,
Columbia, Missouri.

Strickler's
TOPEKA BUSINESS COLLEGE.
Good positions every day in Bookkeeping, Shorthand, Civil Service, Penmanship. Catalogue and other information free.
111, 113, 115, 117 E. 8TH STREET,
TOPEKA, KANSAS.

MEETING OF KANSAS GRAIN GRADING COMMISSION.

Notice is hereby given that under the provisions of Chapter 222 the board of grain grading commission will meet at the office of the Governor in Topeka, on the 26th day of July, 1910, and establish the grades of grain to be known as Kansas grades; to be in effect on and after the first day of August, 1910.
G. W. Glick; Thomas Page; J. G. Maxwell, Secretary. Grain Grading Commission.

JUST A WORD TO THE BREEDERS AND FARMERS.

G. M. Hull, Garnett, Kan., will hold his sale Oct. 26, 1910, of one hundred head of the big type Poland Chinas, sired by five of the best boars in the United States. You can get just what you are looking for from this lot. Write for a catalog early so your name will be on our books

BOARS.
Hadley Boy 48009 by Hull's Hadley 35344, Wm. Garrett 53087 by Mastodon Chief 53040, Big Hadley 40832 by Hadley Jr. 28383, Blain's Wonder 34717 by Johnson Chief 35774, King Blain 48506 by Blain's Worder 38717.

SOWS AND THEIR SIRES.
Sunshine (1285543) by Bell Boy 46145, Midnight (111263) by Champion Chief 32207, Dud's Datsy (111263) by Tip Top Dudy 31681, Long Jane Lady (115927) by Chief Goldust 39244; Standard Lady (111262) by Standard Tecumseh 4114, Royal Beauty (128533) by Chief Goldust 39244, D's Made Right (129715) by Designer 39199, Big Beauty 2d (120156) by Long John 44640, Kansas Queen 4th (323990) by Neb. King 122227, Black Lady (127912) by O. K. Price 42071, Iola Garnett (127913) by Columbia Chief 2d 42528, Miss Garnett (127908) by O. K. Price 42071, Queen Likeness (131100) by Expansion John 49945, Early Alice (137910) by O. K. Price 42071, Kans. Queen 21 (323988) by Neb. King 122227.

Mail bids may be sent to either auctioneer and they will be treated high class. Col. C. E. Bean is on the ground and can give you any information you wish by writing him.
Auctioneers—Col. C. E. Bean, Garnett, Kans.; Col. Jas. W. Sparks, Marshall, Mo.; Col. H. Hohenstein, Chelsea, Okla.

BEST GROCERY OFFER EVER PUBLISHED

READ EVERY WORD OF THIS WONDERFUL OFFER

Chicago House Wrecking Company saves you 20 to 60 per cent on new, clean merchandise of every kind. Here is one sample of our money saving offers:

\$15.56 Worth of Fine Groceries for **\$10.00**

Order by Lot No. 15 A. D. 1000	Regular Price	Regular Price	Retail Price
25 pound sack, finest Eastern Cane sugar.....	\$1.50	1 4 oz Can Ground Cloves.....	.15
4 pounds Special J. & M. coffee, reg. 35c grade..	1.40	1 4 oz. Bottle Pure Vanilla Extract.....	.50
2 pounds High Grade Tea, regular 50c quality..	1.00	1 4 oz. Bottle Pure Lemon Extract.....	.45
1 pound can Pure Baking Powder.....	.25	3 5c Packages Yeast Foam Dry Yeast.....	.15
5 pound package Extra Fancy Japan Rice.....	.40	3 Tall Cans Fancy Red Salmon.....	.50
10 pound package Strictly Fresh Rolled Oats....	.50	3 Cans Extra Quality Fancy Ripe Tomatoes....	.35
10 pound pkg. Fancy Snow White Navy Beans....	.50	3 Cans Extra Quality E. J. Peas.....	.35
1 pound package Premium Baker's Chocolate....	.25	2 10c Packages Corn Starch.....	.20
3 1 pound packages Pure Baking Soda.....	.25	5 pound package Large size California Prunes..	.35
6 pound Wooden Box Laundry Gloss Starch....	.50	3 pound packages seeded raisins.....	.24
10 Bars Extra Large Size Laundry Soap.....	.25	2 pound packages Cleaned Currants.....	.24
1 4 pound package Washing Powder.....	.25	1 gallon can Fancy Table Syrup.....	.75
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of 250 acres, 180 acres in cultivation, 20 pasture, 10 in alfalfa, 6-room house, barn for 6 horses, hay mow, granary, corn crib and other buildings; fenced and cross-fenced; watered by well 20 feet deep; running water in pasture, good orchard. This farm is 2 miles from a good railroad town, Catholic church and school, 3 miles from another railroad town, 1 mile from school and only 14 miles from the packing houses of Wichita. Possession August 1, 1910. Terms to suit purchaser.

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IF YOU WANT the RIGHT LAND

at the right price in the right place, from the right man.

H. D. HUGHES, Write right now to McDONALD, KAN.

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Round trip from Kansas City, or any river point for \$17.50 to Denver, Colorado Springs and Pueblo, good until Sept. 30th, with privilege of stopping off at Kit Carson, Colo., to inspect our lands. Write for our land folder.

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THE TRANS-MISSISSIPPI INV. CO., Inc., La Jara, Colorado.

YUMA COUNTY, COLORADO lands that raise big crops of all staples, \$10 to \$15 per acre. Great opportunities for homeseeker and investor. I own a few quarters which I will sell cheap.
A. L. KISSINGER, U. S. Commissioner, Yuma, Colorado.

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AND FREE WATER RIGHTS IN NORTHWESTERN COLORADO

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320 a., 7 miles of county seat, 3 1/2 miles of R. F. town, 1 1/2 miles to school, 160 acres deeded, 160 acres school land, four miles of four-mile fence, 12 acres alfalfa, fine large orchard, 7-room house, summer kitchen of 2 rooms, 2 barns 40x56 and 40x44, large granary, 2 wells and mills, 2 hen houses, 8x28, good soil, 45 a. pasture. Price for 30 days, \$9,000, without crop. Immediate possession given
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H. N. HOLDEMAN, Meade, Kansas.

PERCHERONS REGISTERED.
A choice lot of two-year-old fillies in matched teams; will breed them to any of my herd stallions; will sell 10 or 15 yearlings, all registered and of the best blood lines. Every animal sold sound.
J. W. HARNHART, Butler, Missouri.

RED POLLED CATTLE
CHOICE RED POLLED CATTLE. Herd the oldest in Marshall county. The best in breeding and individuality. Stock for sale at all times.
AULD BROS., Frankfort, Kansas.

ANGUS CATTLE

80 Angus Bulls
OF SERVICEABLE AGE. Herd Headers and Range Bulls. Many of them by Champion Itos.
SUTTON FARMS, Lawrence, Kan. 500 HEAD IN HERD.

POLLED DURHAM CATTLE

BELVEDERE X2712-195058. Son of the \$1,530 Grand Victor X1435 15084 heads my herd of Double Standard polled Durhams. A few extra good, blocky, thick-fleshed young bulls for sale. Inspection invited. Farm adjoins town.
D. C. VAN NICE, Richland, Kansas.

SHORTHORN CATTLE

10-SCOTCH BULLS-10 from 10 to 14 months' old. One roan, 9 reds, sired by show bulls and out of show cows. Must be sold to make room. Priced at \$75 to \$125. These are all good. I make steers out of poor ones. Come at once. They will suit you.
COL. ED. GREEN, Florence, Kansas.

SHORTHORNS A few choice heifers for sale, nicely bred and good individuals, priced reasonable. Write or come and see my herd.
C. H. WHITE, Burlington, Kansas.

TENNEHOLM SHORTHORNS. Have on hand a few young red bulls ready for service that are out of splendid milking dams and have good beef form. No better breeding could be wished. Can spare a few females. Prices moderate.
E. S. MYERS, Chanute, Kansas.

FOR SALE. Five extra good Scotch and Scotch topped bulls, 10 months old. Roans and reds, sired by Victor Archer and Forest Knight by Gallant Knight. Priced right.
STEWART & DOWNS, Hutchinson, Kansas.

Center Grove Stock Farm Scotch Shorthorn cattle, and 20 bred scows and a few good spring boars of large type Poland China hogs. Write me what you want. No trouble to answer letters. Bell 'Phone.
J. W. PELPHREY & SON, Route No. 6, Chanute, Kansas.

HUMBOLDT NATIONAL STOCK FARM. Shorthorn cattle, large type Poland China hogs, 10 spring boars, priced right. Write me your wants. I meet parties at trains. We can do business. Come and see me.
H. F. PELPHREY & SON, Humboldt, Kansas.

GOOD SHORTHORNS FOR SALE. Among them my show sow Ellere 70124 ford's Lord Mar. His dam is a choice Young Mary cow sired by the noted bull Red Knight. I will also sell a few cows and heifers. Inspection invited.
S. B. AMCOATS, Clay Center, Kansas.

HOLSTEIN CATTLE

HOLSTEIN CATTLE

POLAND CHINAS

POLAND CHINAS

ALBA DAIRY 125 HEAD REGISTERED HOLSTEIN-FRIESIANS

LARGEST HERD OF THIS BREED IN IOWA.
Barns Sanitary—Hard Tuberculin Tested Twice Yearly.
At the head of herd King Segis Hengerveld Vale who is son of the famous King Segis (sire of 3 record-breaking daughters), grandson of Hengerveld De Kol (sire of 100 A. R. O. daughters, 4 above 30 lbs.), great grandson of Sadie Vale Concordia the first 30-lb. cow. A. R. O. COWS FOR SALE. Young, sound, free from disease. Large official milk and butter records; rich breeding; splendid individuality. BULL CALVES FOR SALE from 1 to 6 months old.
J. C. GUTHRIE, SHENANDOAH, IOWA.

SUNFLOWER HERD HOLSTEIN-FRIESIANS

Those desiring a HIGH testing A. R. O. sire to head herd should get prices and descriptions on my KING WALKER service bulls. The three nearest dams on all these bulls average from 25 pounds to 29 pounds butter in 7 days.
F. J. SEARLE,
Oskaloosa, Kansas.

ROCK BROOK HERD

offers bargains in a carload of cows and heifers and a few bulls 8 to 16 months old. All tuberculin tested.
ROCK BROOK FARM,
Station B, Omaha, Nebraska.

JERSEY CATTLE

JERSEYDALE STOCK FARM IMPORTED JERSEY CATTLE.

We offer for sale the Imp. bull Noble of Trinity 86301, dropped March 31, 1908: a show bull from the tip of his horns to point of his tail, a great individual in every respect, with breeding surpassed by none. His dam is the great cow Victress 2nd 9769 H. C. Sire is the great bull Noble of Oakland's P. 3999 H. C. His color is rich golden fawn, good size, good bone. We also offer some high class Imp. heifers which are bred to the kings of the breed. We solicit correspondence from parties wanting high class Jerseys.
PHIL HANNUM, Jr., Carthage, Missouri.

LINSCOTT JERSEYS

offers a few choice cows in milk and some bred heifers. Milk and butter records accurately kept.
R. J. LINSCOTT, Holton, Kansas.

I have ready for service a few grandsons of Merry Maiden's Third Son, Financial Count, Eurbyia's Son and Fontains' Eminent. Prices and extended pedigrees upon application. These bulls will make excellent dairy sires and are fit to head any herd registered in A. J. C. C.
W. N. BANKS, Independence, Kansas.

BERKSHIRES

STALWART DUKE 117874 heads our Berkshires, he formerly headed the Kansas Agricultural herd, his sire was Silvertips Revelation by Revelation. His dam was Hood Farm Duchess 18th 93230. Choice lot of spring pigs for sale. J. M. Nielson, Marysville, Kansas.

OHIO IMPROVED CHESTERS

MOSSE OF KANSAS
Breeder of O. I. C. Swine.
"The best spring pigs in Kansas."
ARTHUR MOSSE,
Leavenworth, Kansas.

MISSOURI VALLEY HERD.
Pure bred Ohio Improved Chester White swine. Few Sept. gilts for sale either bred or open. Booking orders for early spring pigs. Satisfaction guaranteed.
J. M. DRYDEN,
Phep City, Missouri.

MAPLE LEAF O. I. C.'s.
Strictly up-to-date Imp. Chester Whites of the best breeding and individuality. A few choice fall gilts and a fine lot of spring pigs to offer. Prices reasonable.
R. W. GAGE, R. D. 5, Garnett, Kan.

DUROC JERSEYS

ALFALFA STOCK FARM

Durocs of the best, can supply you singly or in carload lots. Sired by the best boars in the west, from sows equally well bred.
F. H. PAGETT, Beloit, Kansas.

R. & S. FARM
150 Spring Pigs, sired by King of Kant Be Beat No. 38333, and Golden Ruler No. 80555. Write your wants. Fall sale Oct. 29. Bred Sow Sale, Feb. 3, 1911.
RINEHART & SON,
Smith Center, Kansas.

BRED SOWS, AUGUST FARROW.
Duroc sows and gilts sired by Bell's Chief 4th and bred to richly bred boars. Will sell and ship when safe.
FRANK VRTINKA, Pawnee City, Nebraska

JEWELL COUNTY HERD,
headed by Bonney K. 47075, all prominent blood lines represented. Fall sale Oct. 27. Sow sale Feb. 1, 1911.
W. E. MONASMITH,
Formosa, Kansas.

DUROC JERSEYS

QUICK SALE

Fall boars of best of breeding and quality at bargain prices for quick sale; also a few bred sows for June farrow of the best of breeding and bred to good boars. Write at once.
W. C. WHITNEY,
AGRA, KANSAS.

"DUROCS GROWN IN THE OZARKS."

Ohio Chief and Col. Blood. Litters by Muncie Chief, Model Prince, King of Models. Inventor, The King I Am, Advance; several by Col. Carter, my leading herd boar. They are all grown right, are good, and we answer all letters of inquiry.
C. L. CARTER, Albany, Missouri.

CHOICE DUROC BRED SOWS FOR SALE.
Among them m show sow Ellere 70424 safe in pig to Tom Davis for fall litter, also fine lot of spring pigs. Write your wants.
O. A. TILLER,
Pawnee City, Nebraska.

CROW'S DUROC JERSEYS.

Head herded by Chimax Wonder, he by Missouri Wonder. 100 head to select from. Prices reasonable. The electric car runs within three blocks of my farm. Come and see my herd at any time.
W. R. CROW, Hutchinson, Kansas.

DUROC HERD BOAR FOR SALE.
Skadden's Wonder 74645, the best living son of Nebraska Wonder. An excellent breeder and individual. Out of litter of 13. Just in his prime. Will price to sell.
A. B. SKADDEN, Frankfort, Kansas.

20 Duroc Jersey Gilts

Large Spring yearlings bred for Summer litters. They are large with lots of quality. The best of breeding, priced reasonable. Write today. They are bargains.
MARSHALL BROS.,
(Cowley Co.) Burden, Kansas.

POLAND CHINAS

HIGHVIEW BREEDING FARM

Devoted to the Raising of
BIG BONED SPOTTED POLANDS
The Farmers' Kind. The Prolific Kind.
I am now booking orders for spring pigs to be shipped when weaned. Pairs or trios; no kin.
H. L. FAULKNER,
Box K, Jamesport, Missouri.

80 BRED POLAND CHINA GILTS

for sale. Spring and summer farrow, bred for April and May litters. Choicest blood for line, also 5 mature sows and boars ready for service; one by Meddler. Reasonable prices.
F. D. FULKERSON, Brimson, Missouri

200 LARGE TYPE POLAND CHINAS

Herd headed by Big Hadley, Long John 2nd and John Ex. Young stock for sale at all times. A few choice Hadley boars.
CHARLES Z. BAKER, Butler, Missouri.

HARTER'S BIG KIND POLAND CHINAS
Headed by Mogul's Monarch 45858 and Capt. Hutch 39058. Over 100 choice pigs to select from. Visitors made welcome. Also Barred Rocks.
J. H. HARTER,
Westmoreland, Kansas.

POLAND CHINAS WITH SIZE.
Headed by Pawnee Look. I have bred pure bred Poland for 20 years and have learned many valuable lessons, and in the future shall breed nothing but the big smooth kind. More hog and less hot air.
F. F. OERLY,
Oregon, Missouri.

WALTER'S BIG SMOOTH POLAND CHINAS.
Expansive, one of the best living sons of Expansion, heads herd. A few choice fall gilts bred to Expansive for fall litters for sale.
H. B. WALTER,
Effingham, Kansas.

MEISNER'S BIG POLAND CHINAS.
Headed by Metal Choice. Sows are daughters of such sires as Nebraska Jumbo, Pawnee Chief, Big Hadley, etc. Fifty fine spring pigs to date and more sows to farrow. Inspection invited.
T. J. MEISNER,
Sabatha, Kansas.

20-BIG STRONG BOARS-20
The tops of 50 head ready for service. Want to make room for spring pigs and am making low prices. Strictly big type.
HERMAN GRONNINGER & SONS,
Bendena, Kansas.

SUNSHINE HERD.
Poland Chinaz' bred gilts and yearling boars. Prices reasonable. Quality considered. Satisfaction guaranteed.
A. L. ALBRIGHT, Pomona, Kansas.

THE MORTONS QUALITY AND SIZE POLAND CHINAS.

Herd headed by Equipment 51530 by Impudence. For quick sale 20 summer and fall gilts sired by son of Meddler 2nd, bred for August farrow. Also 3 fall boars. All representations guaranteed.
THE MORTONS, Tampa, Kansas, Marion County.

BRED GILTS

Sired by First Choice, he by Grand Chief. Gilts bred to Little Bear, a grandson of On and On. Those offered for sale are the tops of a large bunch. The gilts and the price will please you. Write right now to Young & Kimmerring, Glasco, Kansas

80 FEBRUARY POLAND CHINA PIGS 80

Large, smooth and good individually. Sired by my herd boars: Wilkes Again and Grand Success, out of as fine a lot of big type sows as there is in the west. Inspection invited.
J. B. WHIPPLE, Fall City, Nebraska.

POLAND CHINAS FOR SALE.

10 January boars, \$15 each.
15 January gilts, \$15 each.
17 yearling gilts bred for August and September farrow, \$30 each.
Good breeding and individuality.
F. D. YOUNG,
Winchester, Kansas.

STRYKER BROS.' HERD POLAND CHINAS.

The greatest show and breeding herd in the West. Write your wants and they will please you. Buy the best and make the most. They breed the kind that win; the kind you want. Address
STRYKER BROS., Fredonia, Kansas.

2 YEARLING BOARS FOR SALE.

Fine Metal by Gold Metal and John C. Hadley by Hadley Roy, both good individuals and have made good as breeders. Will price reasonable.
JOHN C. HALDERMAN,
Burchard, Nebraska.

LAREDO HERD.

Poland Chinas headed by Impudence Style 132237 and F. R.'s Meddler by Meddler for sale. 15 fall gilts bred for fall farrow and 9 other gilts.
G. W. MCKAY, Laredo, Missouri.

PRINCE HADLEY heads our Poland China herd. His spring pigs are great. Others by Colossus, Mogul's Monarch, Expansion's Son, Sunflower King, Banner Boy and Meese's Mastiff. Write for description of pigs. W. C. Singer, Hiawatha, Kansas.

SULLIVAN COUNTY HERD.

Poland Chinas, 200 head in herd, best blood known to the breed. For sale 9 choice fall gilts, also 8 collic pups.
FULLER BROS.,
Humphreys, Missouri.

BIG STRONG SEPTEMBER BOARS.

Sired by Guy's Monarch, the boar with frame for 1,000 lbs., and a 10 1/2-inch bone. Out of dam by the noted boar First Quality. Low prices for quick sale; must make room for spring pigs.
H. C. GRANER,
Lancaster, Kansas.

10 SUMMER YEARLING POLAND CHINA GILTS

by On and On 2nd, bred for June and July farrow to Filbuster by Meddler 11111. \$30 for choice.
J. D. WILLFOUNG,
Zeandale, Kansas.

CORRECT TYPE POLAND CHINAS.

Headed by Wise's Hadley by Big Hadley. Sows by What's Ex., Kansas Chief, Nemo L's Duds, etc. 75 choice pigs to pick from.
BERT G. WISE, Reserve, Kansas.

SHORTHORNS AND POLANDS.

Herd bull Acomb Duke 7th 281036. Poland headed by Big Bone Long. Females represent leading strain. Young stock for sale.
FREELAND & WILLIAMS,
Valley Falls, Kansas.

BROWN COUNTY POLAND CHINAS.

Oldest herd in Kansas headed by Major B. by Major Bob 50311. Sows by Big Hadley, Johnson's Chief, etc. 3 extra good fall boars for quick sale, reasonable prices.
ELI ZIMMERMAN, Hiawatha, Kansas.

ALBRIGHT'S POLAND CHINAS.

The utility type, headed by N. E.'s Perfection by S. P.'s Perfection. Sows in herd carry the blood of noted sires and have been selected carefully. 40 choice pigs, both sexes, ready to ship.
A. L. ALBRIGHT, Waterville, Kansas.

RIDGEVIEW STOCK FARM, big type Poland Chinas, headed by Union Leader, Major Hadley and Hadley Prince. Sows by Expansion, Grand Look, Big Hadley, Bell Metal, etc. Spring pigs by herd boars, and Colossus. W. R. Webb, Bendena, Kan.

GEO. SMITH'S BIG POLANDS, headed by Mammoth Hadley the best son of Big Hadley. Sows, daughters of King Do Do, Johnson's Chief, Gold Metal, First Quality, Chief Gold Dust, 5 litters by Grand Model by Grand Chief. 100 choice pigs doing well.
George W. Smith, Burchard, Nebraska.

BLUE GRASS VALLEY STOCK FARM.

Big boned Poland Chinas. Herd headed by Big Hadley, King Ex. 3d, Long John the 2d and Missouri Wonder. 4 of the best breeding boars of the breed; young stock for sale at all times; everything guaranteed as represented. W. A. Baker, Butler, Mo.

FOR SALE

I STILL HAVE a few good fall boars for sale at very reasonable prices; will also offer my 2-year-old herd boar, O. K. Chief. He is a good individual of the 800-lb. type, heavy bone, a good even breeder.
R. J. PECKHAM,
Pawnee City, Nebraska.

EUREKA herd of pure bred Poland Chinas and Duroc Jerseys, 115 head to select from, with quality, size and good litters. Order early and get the best. Ready to ship after Aug 1st, at farmers' prices. W. H. Sales, Simpson, Kansas.

BIG TYPE POLAND CHINAS.

Gold Standard by Chief Gold Dust in service. Sows represent the most noted big type strains. Choice lot of spring pigs.
WALTER HILDWEIN, Fairview, Kansas

THE HAWTHORNE POLAND CHINAS.

Ten Strike, grand champion at the Oklahoma state fair, 1908, heads the herd. Special prices on 20 strictly top quality boars, sired by Ten Strike and out of richly bred sows. These boars are of December and January farrow, good enough to head any herd. 50 choice gilts at very low prices. All pedigrees furnished when hogs are delivered.
T. M. CHAMBERS,
Oswego, Kansas.

FIELD NOTES

FIELD MEN.
O. W. Devine,Topeka, Kan.
Jesse R. Johnson,Clay Center, Kan.
R. G. Sollenbarger,Woodston, Kan.

PURE BRED STOCK SALES.

Horses.

Oct. 26—W. S. Corsa, Whitehall, Ill.
Percherons, Belgians, and Shires.
Nov. 1, 2, 3, 4, 1910—Breeders' Sale Co., Bloomington, Ill.

Jan. 10, 11, 12, 13, 1911—Breeders' Sale Co., Bloomington, Ill.
Feb. 28, and March 1, 2, 3, 1911—Breeders' Sale Co., Bloomington, Ill.

Hereford Cattle.

Nov. 10—T. I. Woodall, Fall River, Kan.
Nov. 15—O. Harris, Harris, Mo.

Holstein Cattle.

Feb. 7, 8, 1911—Rock Brook Farm, Sta. B, Omaha, Neb. 150 head will be offered.

Jersey Cattle.

Sept. 1—Golden Sunrise Farm, Kansas City, Mo.

Shorthorn Cattle.

Nov. 15—J. E. Jones, Clyde, Kan.
Feb. 22—Phillip Albrecht, Smith Center, Kan.

Berkshires.

Aug. 19, 1910—Chas. E. Sutton, Lawrence, Kan.

Durocs.

Aug. 10—Chapin & Nordstrom, Green, Kan., sale at Clay Center, Kan.
Oct. 18—G. Van Patten, Sutton, Neb.
Oct. 25—Leon Carter, Asherville, Kan.
Oct. 25—Thompson Bros., Garrison, Kan.
Oct. 26—P. H. Pagett, Beloit, Kan.
Oct. 27—W. E. Monasmith, Formosa, Kan.
Oct. 29—Rinehart & Slagle, Smith Center, Kan.

Oct. 31—White Bros., Buffalo, Kan.
Nov. 4—White Bros., Buffalo, Kan.
Nov. 16—J. E. Jones, Clyde, Kan.
Nov. 19—Phillip Albrecht, Smith Center, Kan.

Jan. 30—A. T. Cross, Guide Rock, Neb.
Jan. 31—Ward Bros., Republic, Kan.
Feb. 1—W. E. Monasmith, Formosa, Kan.
Feb. 2—Thompson Bros., Garrison, Kan.
Feb. 2—G. F. Phillipi, Esbon, Kan.
Feb. 3—Rinehart & Slagle, Smith Center, Kan.

Feb. 4—W. C. Whitney, Agra, Kan.
Feb. 13—J. E. Gothe, Leonardville, Kan.
Feb. 14—Chapin & Nordstrom, Green, Kan.
Sale at Clay Center, Kan.

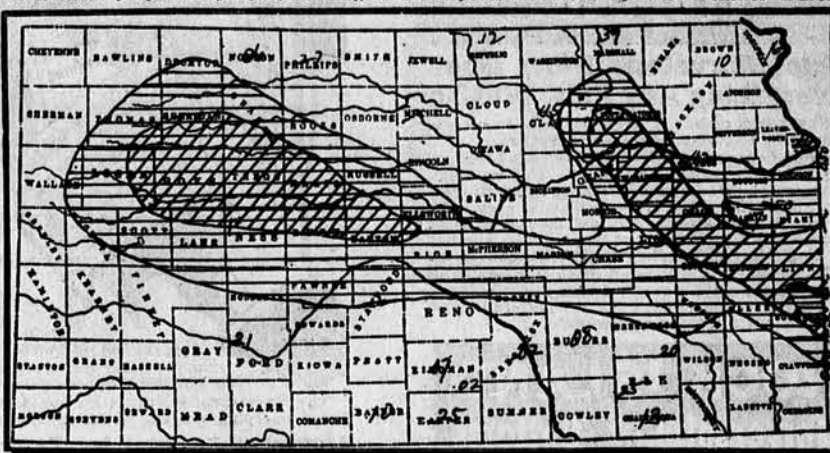
Feb. 15—Leon Carter, Asherville, Kan.
Feb. 16—W. T. Fitch, Minneapolis, Kan.
Feb. 17—L. F. Boyle, Lindsay, Kan.
Feb. 22—Phillip Albrecht, Smith Center, Kan.

Poland Chinas.

Aug. 10—G. A. King, Cullison, Kan.
Aug. 11—E. H. Davidson, St. John, Kan.
Sept. 20—J. D. Spangler, Sharon, Kan.
Oct. 5—Homer Craver, Spring Hill, Kan.
Oct. 8—Bert C. Wise, Falls City, Neb.
Oct. 12—W. B. Stafford, Bronson, Kan.

KANSAS CROP REPORT and Rain Fall for week ending July 9

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



General Conditions.
 The week was decidedly warm, some of the highest temperatures this season being reached on the 7th.
 Good substantial rains have passed across the central counties from northwest to southwest with light showers on either side. The wheat harvest is over in the south and is drawing to a close in the north. Corn is doing well.
 A severe hail storm, about 240 rods wide, swept across Decatur county from southwest to northeast destroying crops in its path.

Results.
Eastern Division.
 Anderson—Fine growing week; wheat and oats harvest well along; flax good.
 Bourbon—Crops looking fine, prospects never better at this season of year.
 Chase—A little too dry for corn.
 Chautauque—Rain is much needed.
 Douglas—Local showers doing good. Corn growing rapidly. Wheat not all cut yet. Oats harvest progressing finely.
 Elk—Rain needed. Is threatening rain at close of week.
 Franklin—Harvest about over. Rain needed for corn and pasture now.
 Johnson—Warm, dry week, closing with a fine rain, doing much good.
 Linn—The showers were just what the corn needed and it is now making rapid growth. Oats harvest in progress. Farmers busy saving crops of all kinds.
 Marshall—Seasonable; cutting wheat; some home grown apples on local markets. Some parties complaining that worms are killing tomato plants. Corn growing but needs more showers for best results. Good week for killing weeds.
 Montgomery—A fine week on growing crops, humid atmosphere and heavy dews are helping.
 Riley—Plenty of rain this week, benefiting corn, pasture and all growing crops.
Middle Division.
 Barber—Very warm, not much wind, corn beginning to need moisture but not suffering where well cultivated and free from weeds. A good shower as the week closes, first since June 6th.
 Barton—Harvest pretty well finished.

Western Division.
 Decatur—hot. Wheat all ripe and being harvested as rapidly as possible. Destructive hail storm on 5th 1/2-mile wide crossed the county from southwest to northeast, literally beating the crops into the ground.
 Gove—The rains were very timely and beneficial. Corn is 100 per cent, wheat better than expected. Everything is picking up.
 Norton—Dry, hot week. Wheat harvest drawing to a close rapidly. Corn, cane and millet need rain. Second crop of alfalfa now ready. Some local showers in the county but no general rain.

Maple Leaf Herd O. I. C. Swine.
 In a letter from R. W. Gage breeder of O. I. C. swine at Garnett, Kan., Mr. Gage has the following to say: "Business has been good and the Kansas Farmer has made me a number of sales. I am fitting a show herd and will be out to the leading fairs this fall." I can spare a few bred gilts or book orders for spring pigs. All my stock is first class. I only keep the best for breeding purposes." The writer carefully inspected this herd a short time ago and found them to be one of the best we know of. Any one needing some new blood can find what they want in this herd. Mr. Gage sells every thing on an absolute guarantee. Look up ad on another page and write for prices. Kindly mention the Kansas Farmer when you write.

A Lifetime Breeder.
 It is generally conceded among breeders that Col. John D. Snyder of Winfield, Kan., is the best posted auctioneer on pedigrees of all kinds of live stock that we have in the west. Col. Snyder has made the breeding business a study from boyhood. He has handled most of the more important breeds. He stands today near the top in the auction business. Col. Snyder has booked a large number of sales to be held this summer and fall. If you have not arranged for an auctioneer on your next sale it might pay you to write or see Col. Snyder for a date. See ad in this issue and address him at Winfield, Kansas. Mention Kansas Farmer.

Criss Creek Polands.
 The man who is looking for good Polands will surely find an eye opener in the herd owned by Mr. C. H. Pilcher of Glasco, Kan. He has over 100 head of spring pigs sired by such boars as Conqueror, and out of Sweetest 128846, some show prospects in this litter. A litter by Glasco Chief that are good. Some extra good ones by Winning Grantier and out of such sows as Art's Choice 124821, Amy's chief 128847, Lady Empress 128843, Chief's Daughter, Lady E. L. and My Sweetheart 2nd, one litter of 8 by Conqueror and out of Top

Col. Burger a Successful Auctioneer.
 Experience is unquestionably one of the great assets one can have to back him in any profession. Col. Lafe Burger of Wellington, Kan., has spent the greater part of his life studying and selling pure bred live stock for America's best breeders. All the older breeders know Col. Burger's ability as a salesman. The younger breeders who contemplate holding public sales, will find it to their interest to write Col. Burger for date. Complete your arrangements for your sale early and this will help to hold a successful sale. See Col. Burger's card in this issue and write him for date. Mention Kansas Farmer.

This bull was successfully shown by Col. Green for two or three seasons and he has proven a very high class sire. Many of the outstanding females in this good herd are by this bull. If in need of a high class bull write for price. Col. Green is also pricing 10 head of choice young bulls, a part of them sired by Ardethan Mystery. You cannot fail to find what you want in this herd and they are priced right. Don't wait. Kindly mention Kansas Farmer when you write.

Chiefens by Top Chief that are fine. Mr. Pilcher informs us he has the best lot of hogs he has ever had on the place and this in the face of his winnings at the fairs in the past means much. He will be seen at Kansas State Fair at Topeka this year and at Beloit, Concordia and Minneapolis.

Imported Scotch Herd Bull For Sale.
 Col. Ed. Green of Florence, Kan., offers for sale at a bargain price his imported Shorthorn herd bull, Ardethan Mystery.

Whipple's Early Spring Pigs.
 This issue of Kansas Farmer contains the announcement of Mr. J. B. Whipple of Fall City, Nebraska. Mr. Whipple is one of the pioneer Poland China breeders of Nebraska and calls attention to his spring pigs. He has 80 February pigs, large, strong smooth fellows. They were sired by Mr. Whipple's herd boars: Grand Success by First Quality and the richly bred Wilkes boar Wilkes Again. Mr. Whipple has one of the greatest sow herds to be seen in the west. Among them daughters of Wilkes Again, Grand Success, Jumbo Perfection, Whipple's Best, Big Tom by Grantier, etc. Write Mr. Whipple about these February pigs and mention Kansas Farmer. Here is a good place to buy a boar to cross on Expansion bred sows.

R. D. Martin Has Duroc Jerseys.
 The writer called on R. D. Martin, the well known breeder of prize winning Durocs at Eureka, Kan., Mr. Martin is one of our good solid, substantial breeders and he has a herd of Duroc Jerseys that takes high rank among the best herds of the west. This herd has been built by the solution of the best breeding stock obtainable, and for a first-class general all-purpose type of hog they are hard to beat. They have all the size necessary, good heavy bone and plenty of quality. Mr. Martin has also produced several show animals and won his share of the premiums at the leading fairs. He will take out a small herd at the leading fairs this fall. If you attend the Hutchinson fair look for the R. D. Martin herd of Durocs. They will please you.

H. F. Peiphrey Has Good Herd.
 While in the vicinity of Humboldt, Kan., the writer called on H. F. Peiphrey and spent a short time looking over his valuable herd of Poland China and Shorthorn cattle. Mr. Peiphrey has about 125 head of spring pigs, mostly of the large type breeding, and one of the best herds of brood sows we know of. Last fall when Mr. Peiphrey started to buy at the sales he would pick out the best animal to be sold in the sale and keep bidding until he had landed the best one and at the top price. Mr. Peiphrey gained the reputation of buying the tops from six of the best sales held last fall and winter. He now has one of the best bunches of spring pigs in the country and has the brood sows bred for fall litters. Mr. Peiphrey will hold a sale on Nov. 1st and sell a draft of these Poland Chinas later. Mention of this sale will be made in Kansas Farmer.

The Kansas Farmer has brought me a large share of the best business that I have. I owe much to it as one of the best and most thoroughly reliable advertising mediums in the west. It ranks exceedingly high as such, and in my mind a larger per cent of the inquiries received through its agency are buyers than from other advertising mediums. My advertisement has not missed an issue in Kansas Farmer for years and I trust this will be true as long as I live. It has been at times my only advertising medium and has all along brought me inquiries from the very best class of farmers, dairymen and breeders.

R. J. LINSKOTT, Holton, Kan.

Young Dove 2d, 2 years, J. R. Brickert, \$350.
Eminent's Golden Lady, 1 year, A. S. Hart, Milan, Mo., \$320.
Dorothea, 2 years, E. S. George, \$375.
Derry's Alver Bess, 1 year, S. A. Chatter, Minneapolis, Minn., \$225.
Raleigh's Bell, 2 years, E. S. George, \$400.
Dollie's Queen, 2 years, J. C. Elstner, \$360.
Erica 2d, 2 years, Overton Hall farm, \$400.
Carrie Fancy, 2 years, E. S. George, \$435.
Ajgery's Katie, 3 years, J. R. Brickert, \$290.
Victorious Lucy, J. R. Brickert, \$375.
Rival China, 2 years, J. M. Earp, Lamar, Mo., \$360.
Eivira's Bijou, 4 years, G. W. Scott, \$450.
Fairy Boy's Queen, 2 years, E. S. George, \$725.
Astor's Sweet Daisy, 1 year, E. S. George, \$270.
Flossie Mab, 3 years, Mrs. Lucy E. Southland, \$375.
Cowslip Oxford Lass, 3 years, E. S. George, \$300.
Ealmoral Lily, 2 years, J. R. Brickert, \$295.
Neatness Darling, 2 years, Dr. J. A. Mans, Browning, Mo., \$220.
Raleigh's Baronetti, 2 years, George S. Redhead, \$310.
Eminent's Lady, 1 year, Overton Hall Farm, \$220.
Fern's Lady Flossie, 2 years, Overton Hall Farm, \$410.
Beatrice Lassie, 1 year, Mississippi Agricultural college, \$235.
Wonder's Pansy Blossom, 2 years, H. C. Parker, St. Louis, Mo., 200.
Rainbow's Pridalia, 3 years, H. C. Parker, \$200.
Rosy Jean, 4 years, C. A. Foster, Trenton, Mo., \$235.
Toitce's Baby Fox, 2 years, G. W. Scott, \$300.
Harlette, 1 year, J. C. Elstner, \$205.

Oct. 13—Bert G. Wise, Reserve, Kan.
 Oct. 14—T. J. Dawe, Troy, Kan.
 Oct. 15—J. B. Whipple, Fall City, Neb.
 Oct. 17—A. B. Enos, Romona, Kan.
 Oct. 18—Herman Groninger & Sons, Bendena, Kan.
 Oct. 19—A. R. Garrison, Summerfield, Kan.
 Oct. 20—Hubert J. Griffiths, Clay Center, Kan.
 Oct. 21—J. M. Ross, Valley Falls, Kan., and W. E. Long, Ozawie, Kan., sale at Valley Falls, Kan.
 Oct. 22—E. C. Graner, Lancaster, Kan.
 Oct. 22—Ell Zimmerman, Hiawatha, Kan.
 Oct. 25—W. C. Singer, Hiawatha, Kan.
 Oct. 26—W. R. Webb, Bendena, Kan.
 Oct. 26—G. M. Hull, Garnett, Kan.
 Oct. 27—Walter Hildwein, Fairview, Kan.
 Oct. 28—J. H. Harter, Westmoreland, Kan.
 Oct. 28—I. K. Berkey, Louisburg, Kan.
 Nov. 1—J. H. Hamilton & Son, Guide Rock, Neb.
 Nov. 1—H. B. Walter, Effingham, Kan.
 Nov. 1—H. F. Peiphrey, Humboldt, Kan.
 Nov. 2—J. W. Peiphrey, Chanute, Kan.
 Nov. 2—Albert Smith & Sons, Superior, Neb.
 Nov. 2—R. J. Peckham, Pawnee City, Neb.
 Nov. 3—The Mortons, Tampa, Kan.
 Nov. 3—George W. Smith, Burchard, Neb.
 Nov. 3—D. W. Evans, Fairview, Kan.
 Nov. 4—W. A. and C. Z. Baker, Butler, Mo.
 Nov. 4—Bert C. Wise, Reserve, Kan.
 Nov. 4—G. W. McKay, Laredo, Mo.
 Nov. 5—Fuller Bros., Humphreys, Mo.
 Nov. 9—T. J. Meisner, Sabetha, Kan.
 Nov. 10—W. R. Stump, Blue Rapids, Kan.
 Nov. 11—S. B. Amcoats, Clay Center, Kan.
 Nov. 16—W. A. Prewett, Asherville, Kan.
 Nov. 19—G. W. Roberts, Larned, Kan.
 Jan. 18—H. F. Peiphrey, Humboldt, Kan.
 Jan. 19—J. W. Peiphrey, Chanute, Kan.
 Jan. 20—Hoy Johnston, South Mound, Kan.
 Jan. 26—W. R. Stump, Blue Rapids, Kan.
 Feb. 7—J. M. Ross and W. E. Long, Valley Falls, Kan.
 Feb. 8—H. B. Walter, Effingham, Kan.
 Feb. 8—T. J. Charles, Republic, Kan.
 Feb. 9—Albert Smith & Sons, Superior, Neb.
 Feb. 10—J. H. Hamilton & Son, Guide Rock, Neb.
 Feb. 10—J. H. Harter, Westmoreland, Kan.
 Mar. 4—C. H. Pilcher, Glasco, Kan.

Kinloch Farm Jerseys Sell High.

The Jersey cattle sale, held at Kirksville, Mo., Thursday, June 30, was a record breaker. One hundred and fifty-four head, including something over 20 small calves, averaged \$285. This included the herd bulls Financial Countess Lad, Beatrice Stockwell and five young bulls. The top price paid for a bull was \$5,000, for Financial Countess Lad. He went to Mrs. Lucy Scutherland, Bentonville, Ark. Mrs. Scutherland also topped the cow offering at \$250, buying the 2-year-old heifer, Ada's Marigold. About half of the offering were cattle recently imported by the Kinloch Farm. Buyers were present from more than a dozen states and the demand was such that a much larger number of cattle could have been disposed of. The sale was the largest in point of numbers ever held in the central west, and unquestionably the best offering ever put into a sale west of the Mississippi river. Following is a partial list of sales:

BULLS.

Beatrice's Stockwell, 3 years, C. A. Robinson, Kirksville, Mo., \$2,100.
 Financial Countess Lad, 1 year, Mrs. Lucy E. Southernland, Bentonville, Ark., \$5,000.

FEMALES.

Hurter's Trust, 2 years, J. C. Elstner, Denver, Colo., \$455.
 Lady Constance, 2 years, George S. Redhead, Des Moines, Ia., \$400.
 Little Hyacinth, 2 years, Mrs. Lucy E. Southernland, Bentonville, Ark., \$600.
 Golden Maid's Daisy, 2 years, C. S. Anderson, Byra Mawr, Pa., \$510.
 Malson Daisy, 2 years, J. R. Brickert, Greenwood, Ind., \$400.
 Nanette 2d, 1 year, Overton Hall Farm, Nashville, Tenn., \$550.
 Solitude's Mabel, 2 years, Mrs. Lucy E. Southernland, \$425.
 Splendid Guess, 2 years, C. S. Anderson, \$370.
 Honest Gal, 2 years, C. S. Anderson, \$370.
 Village Purple, 1 year, Mrs. Lucy E. Southernland, \$400.
 Vitmanse, 2 years, Mrs. Lucy E. Southernland, \$500.
 Sigletta, 3 years, C. S. Anderson, \$350.
 Firefly's Golden Lass, 3 years, Mrs. Lucy Southernland, \$500.
 Ada's Marigold, 2 years, Mrs. Lucy E. Southernland, \$250.
 Ida Newcombe, 2 years, Mrs. Lucy E. Southernland, \$250.
 Leda's Bluebell, 3 years, George S. Redhead, \$300.
 Dolly's Benedictine, 2 years, A. L. Churchill, Vinita, Okla., \$290.
 (Helper calf, C. A. Robinson, \$100.
 Fredonia's Joy, 2 years, E. S. George, Detroit, Mich., \$230.
 Naomi 11th, 2 years, C. S. Anderson, \$510.
 Donna 4th, 2 years, E. S. George, \$230.
 Sincere Eliss, 2 years, E. S. George, \$210.
 Le Catelet's Daisy, 2 years, Mrs. Lucy E. Southernland, \$410.
 Merline 3d, 3 years, C. S. Anderson, \$410.
 Blythehood, 3 years, W. N. Cotty, Edina, Mo., \$370.
 Basel's Rose, 2 years, Mrs. Lucy E. Southernland, \$520.
 Pierrot's Leda, 1 year, J. C. Elstner, Denver, Colo., \$335.
 Hector's Fluor, 2 years, J. C. Elstner, \$400.
 North Princess, 2 years, Mrs. Lucy E. Southernland, \$470.
 Gannon's Maggie, 2 years, Mrs. Lucy E. Southernland, \$300.
 Lasca's Pride, 2 years, J. C. Elstner, \$425.
 Celia's Girlie, 2 years, Mrs. Lucy E. Southernland, \$340.
 Golden Queen 3d, 2 years, E. S. George, \$300.
 (Helper calf, A. L. Churchill, \$105.
 Trivita, 3 years, Phil Hanna, \$295.
 Rosebud Golden Lily, 5 months, B. C. Settles, Palmyra, Mo., \$240.
 Pierrot's Leda, 5 years, Overton Hall Farm, \$600.
 Pierrot's Leda 2d, 2 years, J. C. Elstner, \$400.
 Happy Lady, 4 years, J. C. Elstner, \$400.
 Lesca 5th, 1 year, R. L. Peibly, Oklahoma City, Okla., \$720.
 Queen Bess, 1 year, H. H. O'Dell, Haie, Mo., \$300.
 Cana 2d, 5 months, E. S. George, \$210.
 Happy Bess 2d, 2 years, H. H. O'Dell, \$300.
 Rosy's Beauty 3d, J. R. Brickert, \$310.
 Houssie's Pride, 2 years, Mrs. Lucy E. Southernland, \$375.
 Naomi 12th, 1 year, E. S. George, \$210.
 Lily White, 2 years, J. C. Elstner, \$550.
 Fancy Bee's Rosette, 7 years, George S. Redhead, \$280.

Sell Poland China Sows, Aug. 9th.
 A. W. Shriver of Cleveland, Kan., will hold his annual Poland China brood sow sale at Cleveland, Kansas, on Aug. 9th. This will be a very high class lot of brood sows and a part of them will be bred to his herd boar, Gem's Spell, by Spellbinder, and out of Inside Pocket, by On and On. With all due respect to other boars I think Gem's Spell is one of the greatest boars in the west. As to his breeding it speaks for itself. Individually, he is a hog with great length, bone, a strong back, with a good head and ear and with lots of dash. As for his breeding ability, it is hard to beat, being a sire of large litters, his pigs being fine, with all the qualities that go to make great hogs. Breeders will make no mistake buying sows bred to this great boar.

Amcoats' Shorthorns.
 S. B. Amcoats of Clay Center, Kansas, breeder of registered Shorthorns has sold the bull, Scottish Arthur, that he has been advertising in Kansas Farmer. He changes his card this week and offers a young bull sired by Lord Mar and out of a Red Knight Young Marv cow. Mr Amcoats also offers some choice cows and heifers. Write or visit him.

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This Marvelous Plow Does Everything Any Plow Will Do

Never before has it been possible to get one plow that would answer every purpose. Implement makers everywhere have been trying for forty years, and failed. But we have succeeded! We have a plow that will turn over tame sod without kinking—turn under cornstalks or any kind of stubble without leaving a bit of trash—and do all this just as perfectly whether turning a furrow 2 inches deep or 8 inches deep. Furthermore, it will do all these wonders in all soils—sand, clay, waxy bottom, gumbo, stony or gravelly—and always leave a perfect furrow with the bottom clean as a whistle.

ROCK ISLAND Universal (C. T. X.) Bottoms

Now on Our Gang and Sulky Plows

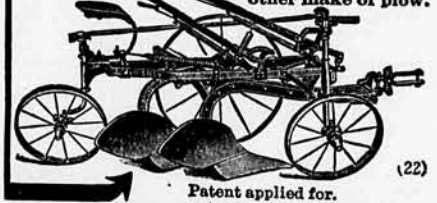
Our Liberty Gang Plow needs no lengthy description. All who have used it say it's the Best Gang Plow Ever Made. And now that it has the new Universal (C. T. X.) Bottom it is bound to be practically the only gang plow in demand during the years to come. We have also equipped our Liberty Jr. Sulky Plow with Rock Island Universal (C. T. X.) Bottoms. The plow itself needs no introduction, as it is already the recognized leader of the Sulky Class.

PERFORMANCE GUARANTEED—We fully and unqualifiedly guarantee the performance of the Universal (C. T. X.) Plow Bottom to be exactly as stated. We will take back any plow which does not make good our claims in the field.

FREE! Write for our new booklet. It's crammed with money-making hints on advanced farming methods. Explains in detail how many farmers have more than doubled their crops. And tells everything we haven't room here to tell about Rock Island (C. T. X.) Plow Bottoms.

Orders are coming in faster and faster every day for our new plows. Write immediately for free booklet and name of dealer near you who handles our new plows, so that you can see them before they're all sold out.

Note the peculiar corkscrew, auger-like twist of the mouldboard. A slice of any thickness spreads out evenly over the surface without crimping and turns clear over, burying all trash completely. No spilling over into the furrow or slopping forward onto the land. Lightest draft and easiest on the horses of any plow made. We control the shape of these mouldboards, and they cannot be had on any other make of plow.



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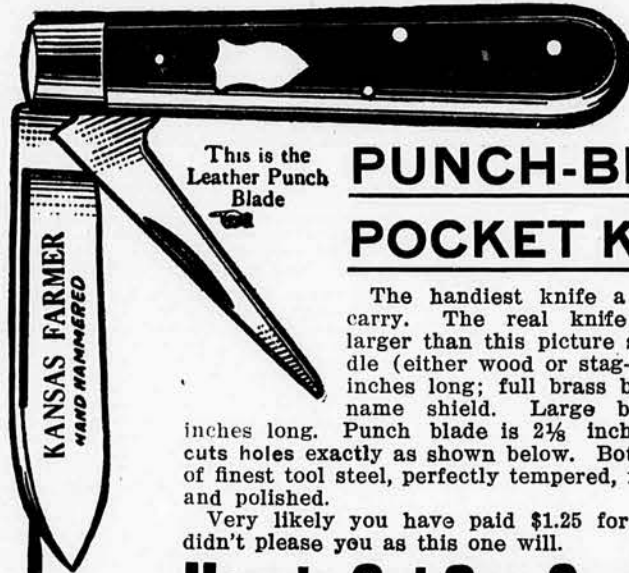
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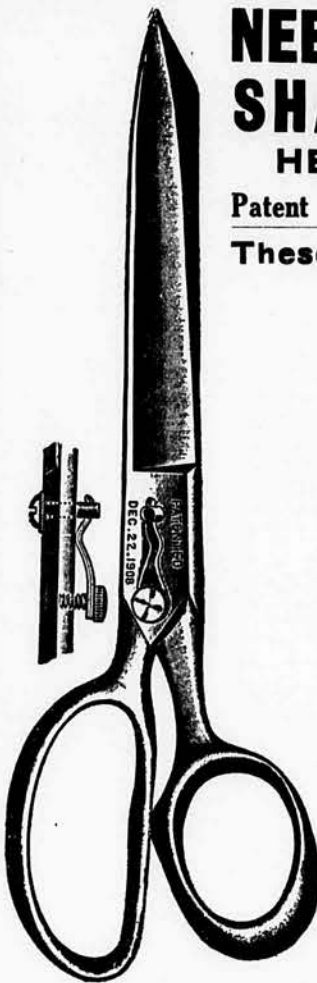
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