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KANSAS FARMER

Volume XLI. Number 14.

TOPEKA, KANSAS, THURSDAY, APRIL 2, 1903.

Established 1863. \$1 a Year

KANSAS FARMER.

Established in 1863.
 Published every Thursday by the
KANSAS FARMER CO., - - TOPEKA, KANSAS
 E. B. COWGILL.....President
 J. B. McAFEE.....Vice President
 D. C. NELLIS.....Secretary and Treasurer

SUBSCRIPTION PRICE: \$1.00 A YEAR

E. B. COWGILL.....Editor
 I. D. GRAHAM.....Associate Editor
 H. A. HEATH.....Advertising Manager

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



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 Display advertising, 15 cents per line, agate (fourteen lines to the inch). Continuous orders, run of the paper, \$1.50 per inch per week.
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KANSAS FARMER CO.,
 116 West Sixth Ave., Topeka, Kans.

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BLOCKS OF TWO.

The regular subscription price for the KANSAS FARMER is one dollar a year. That it is worth the money is attested by the fact that thousands have for many years been paying the price and found it profitable. But the publishers have determined to make it possible to secure the paper at half price. While the subscription price will remain at one dollar a year every old subscriber is authorized to send his own renewal for one year and one new subscription for one year with one dollar to pay for both. In like manner two new subscribers will be entered, both for one year, for one dollar. Address, Kansas Farmer Company, Topeka, Kans.

The daily press is authority for the statement that Secretary J. W. Rippey has been authorized to advertise for bids for the construction of five new State fair buildings provided for by the last Missouri Legislature. Missouri appropriated \$75,000 for additions and improvements after her fair had been in successful operation two years. The proposed buildings are an agricultural hall, 80 by 160 feet, a horticultural hall, 80 by 160 feet, poultry building, 64 by 120 feet, and two cattle barns, each 68 by 120 feet. Missouri is, in natural resources, an empire, and her people are awaking to the true value of their inheritance.

Recently the KANSAS FARMER was favored by Mr. Geo. W. Maffet, of Douglas County, with an excellent description of his methods of manufacturing maple sirup and sugar from the trees upon his farm. These trees were all planted by the hand of man. They yield plenty of this unrivalled kind of sweetness for Mr. Maffet's family the year around. The editor has sampled these goods of this spring's production and was carried, in his mind, back to the days of childhood on his grandfather's farm in Ohio, where that same inimitable flavor came from the big maple trees. Maple camps are possible in Kansas.

Since the State fair was held at Sedalia Mo., last year, an exhibitors' association was organized which comprises exhibitors of live stock who make the circuit of the State fairs and larger shows. At the organization meeting it was voted not to make any exhibits this year unless the railroads would give better rates for the transportation of live stock. The offer of reduced rates heretofore by the railroads has really meant nothing to the breeders, as it gave them half rate to the fair and a free return, but in its operation it gave them half rate to the first fair of the series and they were obliged to pay full fair to all succeeding fairs. This association now asks that a flat rate of one-half tariff rate be granted all around the circuit. Secretary Rippey has been authorized to arrange a conference between the exhibitors and the railroads, and it is expected that he will do so within a few days, the meeting to be held at Chicago.

THE ANTI-HORSETHIEF ASSOCIATION.

A week or two ago, we had occasion to commend editorially the splendid results obtained by the magnificent organization which bears the name at the head of this article. Again we learn that in further prosecution of their universally commendable objects the lodges of this association are now arranging for the construction of a perfect network of telephone lines

throughout southern Kansas and northern Oklahoma and Indian Territory. The efficiency of this organization in the suppression of crime against property has been remarkable in the past, while the moral influence which it exerts on this border land between the Territories and the State is beyond all calculation.

With the completion of the telephone system as now planned, the territory which is most nearly adjacent to the headquarters of this great association will be so thoroughly covered with telephone lines that it is stated that 2,000 members of the order can be called into active service at an hour's notice. Who can estimate the enormous moral influence of such a determined and effective organization as this, headed by active and alert officers, and equipped with a most rapid means of communication and transit between members? We advance the assertion that not many horsethieves will venture within the meshes of this telephone net.

It will be remembered that this great organization is pledged to assist the civil officers in the discharge of their duties in the capture and bringing to justice of all classes of criminals. It never takes the law in its own hands but its value in assisting the officers along the border and elsewhere can hardly be estimated. We are glad to notice that the association now proposes to devote some attention to the different breeds of sharpers and grafters whose purpose it is to victimize farmers. We think that the large scope of country covered by this association will be about the best region which thieves and crooks can find to emigrate from, that can be found in the United States, and are particularly glad to know that the order is growing in other parts of Kansas and the West at a very gratifying rate.

NEW SUPREME COURT DECISION AFFECTS MONOPOLIES.

In discussions of transportation questions and of the regulation of other corporations doing interstate business much ambiguity has arisen on account of the illy defined boundary between the jurisdictions of the general government and the several States. If Congress proposed to regulate the railroads in a comprehensive way, objection was made that the act would be unconstitutional as an invasion of the rights of the States. If a State Legislature proposed regulation, its acts were a nullity as to traffic across State lines. Since nearly all traffic crosses some State line, the power of the States was found to be almost nothing.

A recent decision of the United States Supreme Court has been rendered. If this is correctly reported, it clears the atmosphere of the uncertainty as to the power of Congress in the matter. The Arkansas State Railroad Commission had established rates between points within the State. Later, the Interstate Commerce Commission claimed jurisdiction on the ground that the railroads affected were interstate roads and that all their business, whether wholly within the State or across State lines was subject to their control. The decision of the Supreme Court removes all doubt and locates the jurisdiction with the Interstate Commerce Commission.

Perhaps State railroad commissions may have left a little advisory authority as to the location of depots, and as to furnishing cars to shippers, but these expensive State officers may about as well be discontinued.

Public opinion is forming pretty rapidly concerning the regulation of great concerns. This opinion will now have

simply to make itself felt in Congress to secure the needed regulation. It is time that the people should be heard. The absorption of the wealth of the country by monopolies seems not likely to be restrained by natural forces; it must be regulated by law with ample provision for its enforcement.

The subject of such regulation—what it ought to be and what it can be—is a good one for nonpartisan consideration in grange meetings, in debating societies, and in all other gatherings where unbiased exchange of information and views may be had.

Congressmen and Senators will be glad to be advised of the matured opinions of their constituents on these questions. No other method of affecting public policies is so efficient as the writing of well matured views to Representatives and Senators in Congress.

SETTLING THE IRISH QUESTION.

The woes of Ireland have moved the heart of the humane portion of humanity for generations. Whatever the explanation of those woes, their existence could never be truthfully denied. The statesmanship of Gladstone and other great thinkers and doers met the intricacies of the Irish question with varying results but the question remained. Philosophers saw that the sire of the woes of the unhappy island was the foreign ownership of the soil. A lesson that humanity seems prone to forget and that every few generations, at farthest, has to be learned anew, is that the prosperity, the tranquility, and the happiness of a country are dependent upon the ownership of the soil by the tiller thereof.

Great Britain has finally decided to act on this lesson from the past and to avert the penalties which have resulted from neglect of its teachings. She has determined to restore to the Irish farmers the ownership of the lands of Ireland. To bring this about a free grant of \$60,000,000 from the British treasury is proposed. The tenant farmers of Ireland are to pay 3½ per cent on loans from the government. It is thought these loans may amount to \$500,000,000 or possibly to \$700,000,000. The loans will be paid back in regular installments, but these installments and the interest charges will be less than the present rents.

Government advances of these great sums for such purposes are novel. But, with the exception of the \$60,000,000, they are only loans and will as surely return with interest as the seasons are to come and go. It is estimated that the reduction in the cost of administration in Ireland will almost equal the interest charge.

England is always apprehensive of war with some great power. In case of an exhausting war the prosperity, tranquility, and loyalty of Ireland might be worth the difference between defeat and triumph. British statesmen do well to deal broadly and humanely with the Irish question.

A PACKING-HOUSE MERGER.

The early years of the twentieth century will probably go down in history as the age of "mergers." What will succeed this period in the world of corporations can not now be confidently foretold. Continued efforts to remodel its institutions, to subserve the interests of the people or to promote the interests of the crafty, characterize the present.

One of the latest "mergers" is that of seven of the smaller packing companies under the name, "National Packing Company." This was brought

(Continued on page 388.)

Miscellany.

Exemption from Taxation—The Whole-Root Question.

EDITOR KANSAS FARMER:—I live in the city of Emporia, Kans. The assessed value of my personal property in the city does not amount to \$200, but have other property in the same township and just across the street outside the city to amount to \$200. Am I entitled to my exemption in the township of that which I lack in the city of \$200? The trustees say not.

Which is the best tree for upland, piece-root or whole-root grafting of apple trees? A SUBSCRIBER.
Lyon County.

1. The laws for assessment and taxation of property in Kansas are given in Chapter 158 of the Revised Statutes. Section 10 of this Chapter says: "The property described in this section, to the extent herein limited, shall be exempt from taxation: * * *

"Ninth. Personal property to the amount of two hundred dollars for each family."

The only circumstances under which the family can legally be deprived of this right of exemption is by not having \$200 worth of personal property in the State of Kansas.

The township trustee can scarcely be asked to deduct the remainder of the \$200 from the amount returned to him, but he may properly note on his returns our correspondent's request to have it deducted.

Our correspondent should, in any case, go before the board of equalization on the first Monday in June and there secure the proper deductions. The board will have before it returns from both the city and the township and need have no fear of making a mistake.

2. The subject of whole-root grafts and piece-root grafts was much discussed a few years ago. Every prominent member of the Kansas State Horticultural Society favored the piece-root graft for all locations. The Well-house people, who make their own grafts, always use the piece-root system. They would not use whole-root grafts if they cost no more than the others. The theory is that the root serves its purpose when it has given the scion a start. It then frequently dies—and it is preferred that it should die—leaving the tree on its own roots. This is desirable for most kinds of apple-trees.

A Question of Taxation.

EDITOR KANSAS FARMER:—I have read the resolutions of Vinland grange in your issue of February 19, and wish to ask some questions:

1. If A sells to B a horse in February and takes a note in payment, and B then sells the horse to C and takes a note in payment, and C sells him again to D before March 1 and takes a note in payment, should A, B and C pay taxes on the three notes and D also pay taxes on the horse? That would be quadruple taxation. Would that be right?

2. A buys a farm and gives a mortgage for \$3,000 in part payment, the farm being worth \$5,000. If A pays taxes on the whole farm, and the owner of the mortgage pays taxes on it, that is double taxation. Is that right? If the money-loaner pays taxes on his mortgage, and the banker pays taxes on the notes he holds against the farmer, they have to charge higher rates of interest in both cases, making interest higher to the farmer and he "gets it in the neck" in both cases. This is a question of right, not of politics. Can not our level-headed KANSAS FARMER (this means you) give us a plain talk on the subject? It looks to me a very one-sided question. If I am wrong I should like to know the reason why.

I understand that all loan companies are now inserting a clause in the mortgages they take, compelling the mortgagor to pay the taxes on the mortgage. This brings the question down to bed-rock. FARMER.
Morris County.

Questions by a New Comer.

EDITOR KANSAS FARMER:—I am going to sow some macaroni wheat and would like to know about the quantity to sow per acre. I am a new-comer in Kansas and the way the farmers put out and tend their crops looks to me rather slipshod, but they tell me it will not do to plow the ground here as they do back East as I will not get any crop.

I do not fully understand the Camp-

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Take Laxative Bromo Quinine Tablets. All
druggists refund the money if it fails to cure.
E. W. Grove's signature is on each box. 25c.

bell method, but thirty years ago, in St. Clair and Madison counties, Illinois, they started the plow as soon as they could after the reaper, harrowing down each day what was plowed, and if the weeds grew up they ran the sod cutter, harrow and roller to pack the ground and hold the moisture. I am going to plow eighty acres in May and pursue the same course until seeding time, about the first of September, and then sow. How will I succeed?
AARON SHOOP.

Sow about as much macaroni wheat as you would of any other kind. The plan proposed for conserving moisture is good. The wheel-roller or sub-surface packer is better than the cylindrical roller, especially if the soil is of such texture that it is likely to be blown away.

If the Hessian flies are in your vicinity do not sow any wheat as early as September. The KANSAS FARMER will have more on the Hessian fly in a later number.

Call for Irrigation Meeting.

To be held at Garden City, Kans., on April 16, 1903, at 10 o'clock a. m., at the court house.

The feeling seems to be prevalent among the people along the Arkansas River and the country tributary thereto in western Kansas, that something should be done towards procuring larger supplies of water for irrigation, as the demands for this are increasing each year.

The people in the past two years along the valley branched out into the industry of growing sugar-beets for the manufacture of sugar, this being a crop that needs irrigation at stated times, possibly more water than some other crops that have been grown in this section in the past. Realizing this, our farmers and land-owners are feeling the necessity of obtaining more irrigation by establishment of reservoirs to hold the flood waters until such time as it is most needed. And to further this interest, we believe the time for concerted action is at hand when something should be done towards procuring some water from the underflow as well, by establishing pumping machinery or some other device whereby more water can be obtained for irrigation on all kinds of farm products. This being the case, we are all interested in the common cause, and believe a meeting of delegates selected for this purpose from the counties in southwest Kansas would result in benefits to all and tend to further the irrigation interest for procuring more water.

The object is to organize a South-western Irrigation Association and lay plans for future development, commencing on April 16 and lasting as long as occasion demands for the disposal of the business.

Representation of delegates:

Three from each county, appointed by county commissioners; two from each commercial club, appointed by club; one from each county seat, appointed by mayor; one from each irrigation company, appointed by the directors of the company.

I. L. DIESEM,
Pres. State Irrigation Association.
R. M. LAWRENCE,
Pres. Garden City Industrial Club.

Development of the Underflow.

J. J. VERNON, MESILLA PARK, N. M., IN
PRESS BULLETIN NEW MEXICO EXPERIMENT STATION.

The development of the underflow for irrigation is one of the methods that has been adopted in certain sections for relief during drouthy seasons.

The people of the territory fully appreciate the value of any investigations which are intended to assist in the solution of the difficult problems connected with the development of the underflow for irrigation in New Mexico, and it is therefore, unnecessary to dwell upon this feature of the question.

The great necessity for information along this line led the authorities of the Territorial Experiment Station to inaugurate experimental work. One feature of the question taken up for solution was that of pumping for irrigation. While an abundance of water was to be had at fifteen feet below the surface of the ground, to secure a well that would furnish a sufficiently large quantity of water for irrigation purposes seemed, at first thought, to be impossible, if the cost was to be kept within the limits of practicability, since the water-bearing beds under the Experiment Station farm, as well as those under the whole of the Rio Grande Valley, were thought to be composed of almost pure sand. An open well situated only a few miles from the Experiment Station farm, had cost

upward of \$10,000 and was capable of supplying only from 1,000 to 1,200 gallons per minute.

Before the Experiment Station well was begun an investigation was made of some wells of the valley, in order that we might profit by a knowledge of the difficulties encountered by others. This investigation led us to believe that, in the formation of the valley lands, gravel strata had been laid down, and that possibly a gravel stratum might be found of sufficient thickness to make the development of large quantities of water possible at a reasonable cost. The well on the Experiment Station farm was begun with the avowed purpose of proving or disproving this supposition. The theory proved correct.

A standard pipe, six inches in diameter, was sunk to a depth of 48 feet, penetrating a stratum of gravel 12 feet thick, which was intermixed with from 20 to 50 per cent of sand. A slotted strainer, made from sixteen-gauge galvanized iron, closed at the bottom, was lowered inside of the pipe. The pipe was then jacked up until the whole of the slotted portion of the strainer was exposed. Each of the slots in the strainer was 1½ inches long by ¼ inch wide, the intervening spaces being of the same dimensions. This form of strainer allows water and sand to freely enter the well, but restrains the gravel, which, after the sand is removed, as is indicated below, forms a very porous water-bearing stratum.

When water was first pumped from the well it was loaded with sand. This continued for several days. Probably two car-loads of sand was pumped from the well before the water became clear. From this we conclude that the sand mixed with the gravel around the strainer had been removed for several feet in every direction.

The quantity of water furnished by this small well has been far beyond our most sanguine expectations. We hoped to secure a flow of from 400 to 500 gallons per minute, but one of the pumps being tested produced 1,085 gallons per minute. This quantity of water, supplied by only a six-inch well, at first thought, seems almost incredible, but upon looking into matters a little more carefully, the reasons for this large flow are readily understood. Since the slots in the strainer occupy nearly one-half of the total area of the walls of the strainer, it is evident that the strainer offers little obstruction to the passage of the water through its walls, and since the sand mixed with the gravel has been removed for several feet, perhaps ten, possibly twenty-five feet, in every direction, we may reasonably say that we have, in a measure, the results that would be obtained by an open well from 20 to 30 feet or more in diameter, 12 feet deep.

When the matter is looked at in this light we can readily understand that the quantity of water which can be secured from such a well is enormous and the flow is probably only limited by the carrying capacity of the pipe through which the water must be drawn.

The total cost of the well, including curbing, pipe, strainer, and sinking, did not exceed \$150. This very small cost, in consideration of the large quantity of water secured, seems to indicate that what was considered a very difficult problem, that of securing large quantities of water for irrigation from the underflow, has been solved for all localities where a gravel stratum of sufficient thickness can be found. For sections where no gravel strata can be found, other methods must be tried.



Wise Man's Wagon.
The man who has had experience in running a wagon knows that it is the wheels that determine the life of the wagon itself. Our **ELECTRIC WHEELS** have given a new lease of life to thousands of old wagons. They can be had in any desired height, and any width of tire up to 8 inches. With a set of these wheels you can in a few minutes have either a high or a low down wagon. The Electric Handy Wagon is made by skilled workmen, of best selected material—white hickory axles, steel wheels, steel hounds, etc. Guaranteed to carry 4000 lbs. Here is the wagon that will save money for you, as it lasts almost forever. Our catalog describing the uses of these wheels and wagons sent free. Write for it. **ELECTRIC WHEEL CO., BOX 46 QUINCY, ILLINOIS.**

A Farmer's Observation.

EDITOR KANSAS FARMER:—The article written by J. Ruff, published in your paper of March 5, was very interesting to me. I wish more experienced men would write such letters. For my part, I prefer Siberian to German millet in Ellsworth County. I expect to sow my Siberian millet about May 1, cutting it for hay when in bloom, about June 15, then drill Kafr-corn in for hay, thereby securing two crops off the ground. I expect to cut both crops with binder, shocking in long shocks to cure.

Some one informed me that if chop was thrown on a wet, chilled calf the cows would lick it off, warming the calf when all else failed.

Wishing to purchase a separator this spring, I would like to ask the users of the centrifugal separators what is the best kind, all things considered? Some say they are all good, but if there are none better than others, evolution in that direction might as well stop.
M. L. AMOS.

Ellsworth County.

The State Temperance Union sounds a call to the churches of the State to hold periodical union temperance meetings as often as possible. Such meetings are now held at many points, and in some places as often as monthly. The aim of the Temperance Union is to have as many of these meetings held as possible, in order that public sentiment may be stirred into vigorous activity throughout the State. It asks that the meetings appoint correspondents to report the work regularly to the Union.

Catarrh Can Not Be Cured

with LOCAL APPLICATIONS, as they can not reach the seat of the disease. Catarrh is a blood or constitutional disease, and in order to cure it you must take internal remedies. Hall's Catarrh Cure is taken internally and acts directly on the blood and mucous surfaces. Hall's Catarrh Cure is not a quack medicine. It was prescribed by one of the best physicians in this country for years, and is a regular prescription. It is composed of the best tonics known, combined with the best blood purifiers, acting directly on the mucous surfaces. The perfect combination of the two ingredients is what produces such wonderful results in curing Catarrh. Send for testimonials, free. F. J. CHENEY & CO., Props., Toledo, O. Sold by druggists, price 75 cents. Hall's Family Pills are the best.

Western Farmer Has Used It For All Kinds of Lameness on Horses.

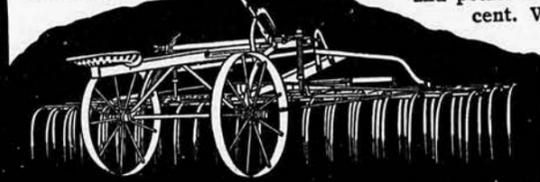
The Lawrence-Williams Co., Cleveland, O. I have used Gombault's Caustic Balsam for all kinds of lameness on horses. Once I had a sweetened horse and cured it nicely. I am a farmer, and have had it in the house for ten years, and never will be without it.—HANS J. PETERSEN.

Hallock's SUCCESS Weeder

IT'S ALL IN THE TOOTH

For a number of years many farmers have known the advantages of the Hallock Weeder. Now everybody knows that the whole secret is in the flat tooth. The recent legal decision restraining the manufacture or use of any other flat tooth weeder best

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JANESVILLE MACHINE COMPANY, 15 Center St., Janesville, Wisconsin.

advertises the strong points of the Hallock machine. This weeder will increase grain and potato crops from 25 to 50 per cent. Why and how it will do it and why the flat tooth makes the only successful weeder is best explained by the booklet which we will send free if you write for it.

Packer: "There you are; carefully packed, all ready to go. I know you'll get there safely."

We Guarantee Safe Delivery

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A Saddle was returned at our expense a few days ago. Although it had been properly boxed, it was damaged by rats before being unpacked, according to customer's letter. Of course this was no fault of ours, but he got a new saddle just the same. Do you know of any other firm who would have given him the same liberal treatment? Why not buy your supplies from a firm with whom it is a pleasure to deal? All goods guaranteed and prices always lowest, quality considered.

Our next advertisement will show how the goods arrived. Watch and see if the packer told the truth.

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It contains 2200 pages of wholesale prices and pictures of everything you eat, wear or use.
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Agricultural Matters.

Broom-corn Culture.

EDITOR KANSAS FARMER:—There are two distinct varieties of broom-corn, viz., Standard, which grows to a height of from seven to twelve feet, and Dwarf, which grows to a height of from three to seven feet.

Of the latter, I have raised fifteen crops, while only one of the former, hence my experience as a raiser of the Standard variety is quite limited; so will confine my talk, principally, to the dwarf variety. Dwarf brush is used in making small brooms, whisks, and brushes, while standard is used for making large brooms.

Climatic conditions for the production of broom-corn should be about the same as for growing Indian corn, although the former is more of a drouth-resisting plant than the latter.

The fodder from dwarf corn after the brush is gathered makes excellent roughness and yields from one to three tons per acre, while the standard is worthless as a forage.

In Kansas it may be planted from April 20 until the first of July.

It is not advisable to plant it earlier for the reason that it is a very tender plant and makes a slow growth while young and the cold rains in early spring, weeds, and insects exhaust the vitality of the plant to such an extent that it never comes out and makes a good yield.

Another important feature is in the selection of seed, and drying without its becoming heated which would injure the germ.

One not versed in the peculiarities of broom-corn seed is very apt to get it heated before time to plant. The ground should be prepared the same as for Indian corn, the rows three and one-half feet apart and distribute the seed to the amount of two and one-fourth quarts per acre of good clean seed.

A corn planter may be used by taking a blank plate and drilling holes three-sixteenths inch in diameter making two and one-half times as many as there are holes in the plate for planting corn.

It takes from 70 to 100 days for it to mature. The earlier it is planted the longer it takes to mature.

A crop of forty acres should be put in five different plantings of eight acres each and about one week apart, so one planting can be harvested before the one following is ready.

Each planting should be gone over and pulled two or three times, sorting out the ripest heads and allowing the tender or youngest ones to stand until the next time over. Each head is matured when the bloom begins to fall off readily.

It will stand but a few days after it is ready to pull. This is done by taking hold of the leaf that extends along the head with one hand and the head with the other and pulling in opposite directions with a quick jerk when the head will come from the stalk.

If it stand a little too long after it has matured it turns red in color which diminishes the value very materially.

It costs from \$20 to \$30 per ton to harvest the crop after it is matured, outside of the machinery and sheds.

It takes the profit of a forty-acre crop the first year to pay for machinery and sheds.

Broom-corn requires more experience to raise successfully than most any other crop. It is also the most expensive crop to raise, but with shrewdness, economy, and staying qualities, one can make a success of the business.
Rice County. W. W. WEBB.

Pasture Grass for Central Kansas.

EDITOR KANSAS FARMER:—In your issue of March 19, a farmer in Rice county requested discussion upon the subject of pasture grass adapted to central Kansas, and gave the name of several different grasses, none of which, I think, have been very thoroughly tested in this part of the State. Red-top or herd-grass is not likely to prove satisfactory as it seems to be a grass adapted to regions of country where there is more rainfall than we have in Rice County.

If I knew how the farmer could successfully reset his pasture land to buffalo-grass, I could put him on the road to success in getting a permanent pasture grass. I have about 40 acres of native buffalo pasture. Have lived on my farm 30 years and have pastured from ten to thirty head of cattle on it during all this time, and it is just as good now as it was in 1873, when I first settled on it. It looks short, but inspection of both my stock and the pasture has convinced me that it will sustain more stock, keeping the same in good condition, than any 40 acres of timothy, red clover, or Kentucky blue-grass I have even seen. It may look dead, and at a distance, the ground may look bare, but close inspection will show the surface to be covered with curled grass which the stock eat and do well on. I would not permit this 40 acres to be plowed up for \$50 per acre, unless I knew how to reset it to buffalo-grass again.

The above information is for newcomers to central Kansas, in order that they may save a pasture of native buffalo-grass if they get a farm upon which it is, as yet, undisturbed. Alfalfa will not be satisfactory as a winter pasture. Like red clover it stops growing during cold weather. Blue-grass will never, in all probability, be a very reliable pasture grass in central Kansas. I have tried it in one of my orchards, and on the north side of the trees it does fairly well, but out on open ground it does not prosper. This is emphatically a wheat and rye country. More than half of the time the farmer can look for fall and winter pasture if he sows wheat; and alfalfa can be relied upon to afford green feed for stock of all kinds in the spring and summer. But as far as my experience extends, alfalfa will afford more feed if stock is kept off entirely. I cut and feed it to hogs morning, noon and night. For horses and cattle, I cut and cure it, and I have no losses from bloat, none of the alfalfa is tramped down or rooted up; in short, I get all of it, and I believe I get more of it by this method than I could by any other. In the meantime, I would recommend testing different grasses fairly and to a limited extent. As the farmer referred to seemed to be situated, his present best recourse for pasture is wheat and rye for fall and winter, and alfalfa for spring and summer use.

But if he has a field of native buffalo-grass, save it for it is a good thing.
Rice County. G. BOHRER.

Hessian Fly.

EDITOR KANSAS FARMER:—I have a field of wheat that is partly destroyed by some insect and suppose it to be the Hessian fly. The first day's work with the drill was done about eight days earlier than the rest. It came up well but soon began to look yellow, and then to die, the rest did not get so good a start but shows no signs of insects. Examining the dead stalks in the early-sown wheat I find there is from one to ten dark-brown eggs deposited in the stalk low down in the ground.

I write to inquire as to whether it will be useless to leave the wheat that looks good or will the fly appear in it, too? In the spring last year the field showed no signs of fly.

R. A. McQUEEN.
Sedgwick County.

In reply to your correspondent's inquiry I will state that that portion of his wheat sown eight days later than the other portion is free from present injurious effects of the Hessian fly, because that insect had deposited its eggs in the earlier sown wheat and had died a natural death before the appearance of the later sown wheat. A new crop of the Hessian fly is due to appear at this time (the last of March or first of April) and will deposit eggs on the later sown wheat, the amount of damage depending somewhat upon the character of the season for wetness or dryness. The "dark-brown eggs" referred to by your correspondent are not eggs, but the chrysalis or flax-seed stage of the insect from which the winged flies will appear in a few days.
F. H. SNOW.
State University.

Care of Alfalfa.

EDITOR KANSAS FARMER:—I wish to ask for information about how to take best care of alfalfa sown last year August 29, on a piece of land where a crop of wheat was taken off, plowed as soon as possible after harvest, the ground kept clean of weeds through summer, was rolled twice before sowing the alfalfa and rolled once after sowing. The soil is black with a little sand in it. Distance to water 30 to 60 feet. The alfalfa stood the winter well and is showing a nice green at present. I sowed 20 pounds to the acre with a wheelbarrow-sower. Is it advisable to cross-harrow it or would

disking not hurt it, being so young? Top of ground is a little cracked.
P. G. HEIDEBRECHT.
McPherson County.

There is considerable doubt whether anything ought to be done to this young alfalfa save to cut it when it begins to bloom. If crab-grass appears later it will probably be wise to disk it, setting the disks so as not to throw large furrows. Whatever you do, report to the KANSAS FARMER, giving results. Doubtless some farmers can now give valuable experiences on this question. They should do so at the earliest opportunity.

Millet Crop As a Preparation for Alfalfa.

EDITOR KANSAS FARMER:—I have a patch of ground which I want to seed to millet this spring and to alfalfa in the fall. Please state if millet sown will get the ground in good shape for sowing to alfalfa in the fall, and if not, recommend some early crop for same.
Clay County. JOHN BROWN.

Millet as a renovator of the soil in

NEW RUMELY SEPARATOR
exemplifies all that is best in the threshing machine maker's art. Nothing approaches it for him who makes threshing a business. It threshes, cleans, saves for the farmer, makes money for its owner and has the speed and durability. Threshermen should investigate the Wind Stacker, Self Feeder and other attachments and features which mark the Rumely as the prince of threshers. Write for the Rumely catalogue before buying. Mailed free.
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IT'S IN THE WHEELS
that our
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gets its advantage over any other farm wagon. The metal wheels have the spokes forged in—not cast in—so they never come loose. Beware of cast in spokes. Our wooden wheels have convex faces and tires are shrunk on. Warranted for 5 years. Our wagons can be used for any farm work—turns shorter than any other. Big, wide, low loads. Light draught, strong, durable, handy and cheap. Dealers sell them. Send for illustrated book containing full description. It is free. Write at once.
FARMERS' HANDY WAGON CO.
Saginaw, Michigan

preparation for August sowing to alfalfa is highly recommended. It has but one known superior and that is a mixture of oats and field peas. Sow the millet as early as possible. After harvesting the millet disk the soil immediately and either disk or harrow after every rain until about the middle of August. The soil should then contain moisture enough to start the alfalfa, but if the soil be too very dry, it may be better to defer sowing until after a rain.

Some recommend plowing the millet stubble. If this is done the soil should be harrowed or packed with a sub-surface packer immediately after plowing and should be harrowed again after every rain until sowing time.

Pencilaria—Bromus Inermis.

EDITOR KANSAS FARMER:—In the KANSAS FARMER of March 5, John T. Moulds wanted to know what pencilaria is used for. I think it is used mostly to swindle farmers. I tried it two years ago and found it to be East India or pearl millet which was puffed up a good deal 25 or 30 years ago by some of the Eastern papers. It is inferior to sorghum or Kafir-corn.

If Mr. Moulds wishes to try it, I would advise him to get pearl millet as it only costs one third as much, and the price is the only difference.

Bromus inermis is similar to blue-stem. It comes up earlier than any of our native grasses and stays green till cold weather comes. It is not good for hay as the seed stems are naked and the blades short.

A. H. NORTH CUTT,
Hodgeman County.

Macaroni Wheat for Seed.

EDITOR KANSAS FARMER:—In the past two years I have read many articles about macaroni wheat. I wish to test it this year. Will some one kindly tell me where to get seed, naming the varieties and price? J. F. KIMMEL,
Sherman County.

Write to some reliable seedsman, also to Prof. J. G. Haney, Hays City, Kans.

The Veterinarian.

We cordially invite our readers to consult us whenever they desire any information in regard to sick or lame animals, and thus assist us in making this department one of the interesting features of the Kansas Farmer. Give age, color, and sex of animal, stating symptoms accurately, of how long standing, and what treatment, if any, has been resorted to. All replies through this column are free. In order to receive a prompt reply, all letters for this department should give the inquirer's post-office, should be signed with his full name, and should be addressed to Dr. Geo. C. Pritchard, V. S., 110 East Tenth Street, Topeka, Kans. Telephone No. 319, either phone.

Indigestion.—I have a young sow 3 weeks old to-day. Yesterday she was taken sick and has symptoms of thumps. She ate better to-day than yesterday. Please inform me through the columns of the KANSAS FARMER what to do for her. We keep the pigs on a dry plank floor and change the bed every other day and feed the sow soaked corn and shorts with milk. They are fine pigs, full-blooded Poland-Chinas. We have lost several the same way. F. W. WIRT,
Pratt County.

Answer.—Should advise the feed of the mother to be restricted to bran and milk for a short time, with a pen large enough for her to get plenty of exercise. For medicinal treatment, take tincture of belladonna 1 ounce, water 15 ounces. Give the mother tablespoonful of the mixture twice a day. It would be good to give the pigs affected about ten drops of the mixture two hours apart until the spasmodic symptoms relax, then only three times a day for two or three days after apparent recovery.

Ulcerated Teeth.—I have a gelding colt 4 years old. Last spring one side and under his jaw was swollen and broke. It did not seem to heal up altogether and the bone remained somewhat enlarged. This spring the other side of jaw is going the same way.

Have not used anything for it. The colt is in good flesh and seems to feel all right. RAY BROWN.

Mitchell County.
Answer.—Your colt has bad teeth. Have him examined and treated by competent veterinarian.

Chronic Sore Neck.—I have a horse whose neck gets sore each summer. The summer he was 5 years old it came on during haying. As soon as that work was finished it healed, and I supposed it was caused by the mowing machine, but the next summer it came on earlier and lasted longer, and has been doing so each summer since; and

now whenever he gets warmed up under the harness he complains of his neck itching. I have tried flour, starch, sulfur, Stewart's healing powders dusted on, kept it washed and the collars clean, tried bridging pads, gall cure, a mixture of Stewart's healing powders and petroleum with a few drops of carbolic acid and turpentine in it. Last summer I washed it three times a day with a weak solution of carbolic acid for two weeks, then three times a day for the same length of time with vitriol water. Following this, I greased it morning, noon, and night with lard in which jimson-weed leaves had been fried. This I thought helped it as much as anything I had tried, but it would just get to the healing point and no further until cold weather. It ways always worse on Monday morning than Saturday night, and after a rainy spell when the horse had not been worked for a few days. He has never been sick since he was 3 years old when he had the distemper very bad. What can I do to prevent this coming on this summer?

Osage County. H. D. BARRINGTON.

Answer.—The only way to make a permanent cure of your horse's sore neck is to have the diseased tissue removed with the knife. To do this would necessitate the employment of a competent veterinarian. A sore neck that has run as long as you say this has always reduces the vitality of the tissues, and consequently healing powers are very low. After the diseased tissues are removed, fresh granulated tissue will form and take the place of the old dead tissue. You will have no trouble in healing it after removing the dead parts. Until an operation is performed you probably will have more or less trouble.

Partial Paralysis in Cows.—I have ten cows. In the winter of 1901-2 I fed them corn fodder, Kafir-corn, and a little alfalfa. They seemed to keep in order and do well. This winter, 1902-3, I fed corn fodder and stalk pasture until about February 12. Since then I have been feeding alfalfa and corn fodder, a little of each twice a day; and I have one cow that seems to be ailing the last two weeks. Sometimes she gets up and sometimes not, and she nearly always has to make three or four efforts before she gets up. She seems to be weak in the back and kidneys. I wonder if it is the alfalfa that causes it. To-day I noticed, for the first time, the second cow was afflicted the same way. It is not for the want of feed, for they are in good order. Can you tell me the cause and, better still, a cure? W. J. BRENDL,
Lyon County.

Answer.—Your symptoms are so meager it is impossible to give a correct diagnosis. But on general principles should diagnose paralysis, caused by some derangement of the digestive organs. Treatment—Give one quart of raw linseed oil at a dose, and the following day give these powders, three times a day: Powdered nux vomica, 8 drams; powdered belladonna leaves, 6 drams; powdered gentian, 1 ounce. Mix and make 16 powders, 1 three times a day.

Texas Itch.—We have in this vicinity two bunches of cattle that are afflicted with a puzzling distemper. From articles I have read in the KANSAS FARMER and in the Topeka Capital of March 17, it seems probable it is Texas itch. Are we entitled to a visit from the State veterinarian to determine what the disease is and what to do for it? The cattle are losing their flesh and some get so weak they lie down and finally die.

Ottawa County.
Answer.—Your cattle, no doubt, have the above disease, and you are entitled to the services of the State veterinarian to determine exactly and to prescribe treatment. You should lose no time in having them attended to. Notify the Live Stock Sanitary Commission, Topeka, or Dr. N. S. Mayo, Manhattan, Kans.

Muscular Rheumatism in Hogs.—I have three hogs that are lame; they get down and can not get up. It appears as though the leaders of their legs are drawn up, and it hurts them very much to move them. I would be thankful for any information you or any one can give me in the matter.

W. H. PRATHER,
Leavenworth County.

Answer.—For local treatment, bathe the loins with the following liniment: Turpentine and lard, equal parts. Mix and rub well in once a day. Internal treatment: Give one dram of powdered nux vomica in the feed or water twice a day.



Miss Agnes Miller, of Chicago, speaks to young women about dangers of the Menstrual Period—how to avoid pain and suffering and remove the cause by using Lydia E. Pinkham's Vegetable Compound.

"TO YOUNG WOMEN:—I suffered for six years with dysmenorrhea (painful periods), so much so that I dreaded every month, as I knew it meant three or four days of intense pain. The doctor said this was due to an inflamed condition of the uterine appendages caused by repeated and neglected colds.

"If young girls only realized how dangerous it is to take cold at this critical time, much suffering would be spared them. Thank God for Lydia E. Pinkham's Vegetable Compound, that was the only medicine which helped me any. Within three weeks after I started to take it, I noticed a marked improvement in my general health, and at the time of my next monthly period the pain had diminished considerably. I kept up the treatment, and was cured a month later. I am like another person since. I am in perfect health, my eyes are brighter, I have added 12 pounds to my weight, my color is good, and I feel light and happy."—MISS AGNES MILLER, 25 Potomac Ave., Chicago, Ill.

The monthly sickness reflects the condition of a woman's health. Anything unusual at that time should have prompt and proper attention. Fifty thousand letters from women prove that Lydia E. Pinkham's Vegetable Compound regulates menstruation and makes those periods painless.

READ WHAT MISS LINDBECK SAYS:

"DEAR MRS. PINKHAM:—Lydia E. Pinkham's Vegetable Compound has greatly benefited me. I will tell you how I suffered. My trouble was painful menstruation. I felt as each month went by that I was getting worse. I had severe bearing-down pains in my back and abdomen.

"A friend advised me to try Mrs. Pinkham's medicine. I did so and am now free from all pain during my periods."—JESSIE C. LINDBECK, 1201 6th Street, Rockford, Ill.

FREE ADVICE TO WOMEN.

Remember, every woman is cordially invited to write to Mrs. Pinkham if there is anything about her symptoms she does not understand. Mrs. Pinkham's address is Lynn, Mass., her advice is free and cheerfully given to every ailing woman who asks for it. Her advice has restored to health more than one hundred thousand women. Why don't you try it, my sick sisters?

\$5000 FORFEIT if we cannot forthwith produce the original letters and signatures of above testimonials, which will prove their absolute genuineness.
Lydia E. Pinkham Medicine Co., Lynn, Mass.

The German Nurseries, Beatrice, Neb.

The people of the West can hardly find all things considered, a better place to look for apple, peach, pear, and other fruit-trees and the small fruits, than the German Nurseries of Carl Sonderegger, at Beatrice, Neb. These nurseries were established in 1886 at Fairbury, Neb., but impelled by better railroad facilities, they began planting four years ago adjacent to the city of Beatrice and now are fully established there, where they have the advantages of three main lines of railroads, with three express companies, enabling them to make prompt shipment of all orders. The 1903 catalogue is before us. With beautiful covers in colors and fine illustrations throughout of the fruits it describes, it suggests a wealth of good things at Beatrice. It is published in German and English, both people contributing largely to its extended business.

A remarkably reasonable price on everything they grow, considering the superiority, distinguishes these nurseries, and in addition they pack everything in the most satisfactory way and pay the freight on shipments. We shall be glad to have our readers send for the Sonderegger catalogue. State whether English or German edition is wanted. It will be found a satisfactory place to buy reliable stock.

Caustic Balsam Gives Quick Relief.

Imperial, Neb., Nov. 25, 1902.
The Lawrence-Williams Co., Cleveland, O.
When I left Wisconsin for this place I thought I should go out of the stock business, but I am still at it and I want another bottle of GOMBAULT'S CAUSTIC BALSAM, as it will give relief quicker than any other liniment I have ever used. Enclosed find post-office order for \$1.50.—J. S. GIBBS.

The Stock Interest.

THOROUGHBRED STOCK SALES.

Dates claimed only for sales which are advertised or are to be advertised in this paper.

April 21, 1903—F. P. Healy, Bedford, Iowa, Scotch Shorthorns, at Seneca, Kans.
 April 22, 1903—Shorthorn Breeders' Combination Sale, Bunceton, Mo. C. P. Tutt, Secretary.
 April 22, 1903—Breeders' Combination Sale at Kansas City. W. C. McGavock, Manager.
 May 5-6, 1903—Collin Cameron, at Kansas City, Herefords.

Fads and Fashions in Percherons.

H. W. AVERY, WAKEFIELD, BEFORE THE SCHOOL IN HORSE-JUDGING, KANSAS STATE AGRICULTURAL COLLEGE.

The proneness of humanity for something new and different seems to be as noticeable in breeding of horses as the selection of wearing apparel. Fortunately these changes do not come and go with quite the same frequency and possibly are not so radical as is practiced by that attractive majority of the human race. Nevertheless, there is a constant changing of the lines and curves and size and weight; the docks, the single-foot, and the canter are as uncertain in the permanency of their social supremacy as the pompadour, the two-step, and the polka.

In the human race we console ourselves that those who worship at the shrine of fashion would accomplish very little at anything else, and do as little harm devoting their attention to fads and fashions fitting around the bright spots rather than to use the time and space a busy world of workers and thinkers need to produce the material to satisfy the world's constantly increasing wants.

The farmer, merchant, laboring-man, and stockman pursue the same tenor of their way without much regard to the edicts of fashion. Some one has said that the draft horse is the laboringman of the equine race. We suppose the comparison might be legitimately carried further and say that the saddler and the "high-stepper" are the "smart set" of equine society. Certainly we find the draft horse associating with the laboringman and the high-steppers rub elbows with bare shoulders and plug hats. It is true that it has injured the reputation and the joy of living for the society horse to mingle with the society man. We do not know whether his moral nature has suffered as much as his physical make-up. We do know he has paid the price of his admission to good society by the sacrificing of one-half the joints of his tail and pretends to have the string-halt in both front legs, smiles and pretends to look pleasant when he suffers torture. So far as we are able to judge the requisites for good standing in horse society do not differ materially from the qualifications that admit one to human society. On the other hand the draft horse has been compelled to mingle with such questionable company as the iceman, and the illiterate "hayseed." In his obscurity we might reasonably think him secure from the evils of fashionable embellishment whatever might have been the effect on his moral nature, but such is not the case. The draft horse has had a rather checkered career, the Percheron its peculiar experience along with the rest. It is said that every breed of horses that has attained prominence is the legitimate product of climate, feed, and treatment of their nativity. Colonel Robison and others have declared to you the nobility of the Percheron race by reason of its ancient ancestry of Arabian blood. I am going to "go the Colonel one better" and quote from Professor Andre Sasson, professor of agriculture at the National Institute of France, who says: "If, in order to be noble, it is necessary to trace descent from far distant ancestors, the race of Percherons has nothing to fear in this respect, for we possess authentic documents concerning its origin, showing in the most positive manner that the Percheron type existed in the very place where it is found to-day during the geological periods which precede our own. This Percheron breed is contemporaneous with the mammoth of alluvial times, and the Crusades, as compared with it, are but yesterday."

Since only a few of you have provided yourselves with lunch, I will hardly be justified in following closely each change that has transformed the Percheron from his early career to the present time, so with your consent we will neglect the first several thousand years of this interesting study and introduce to you this noble animal as the companion of chivalry and feudalism, the carrier of the mailed knight with his shield, armour, and helmet of more than one hundred weight. He is

loved for his strength, his courage, and his speed. These splendid qualities and the genius of his rider made his home famous for its warriors, as history verifies. The Percheron of this time was by no means the heavy horse that you saw in to-day's parade; indeed, if he had been I fear history might have been written different than it is. With the advent of explosives feudalism gave away and civilization began, and the Percheron horse became more useful and necessary than ever before. Invaluable in war, he was indispensable in peace and his country's progress, but his fame was still confined to his native district. He is yet a medium-sized horse of 1,200 to 1,300 pounds, and instead of an armed knight he draws post-coaches, cabs and diligences throughout France. His speed, his endurance, and strength are attracting the attention of the visitors in Paris from all over the world, and the American was not slow to discover his merits.

About this time Professor Sasson, in his work on the origin of the French races of horses, said of the Percheron: "He enjoys in Europe, and even the whole world, the highest consideration. The race has, because of his incontestable merits, carried to all of the world the fame of the little French province, where its best center of production is found. The fame of the Percheron horse is only to be compared to that of the thoroughbred of England; he is a regenerator and an improver."

For a while all went well; the American wanted a heavier animal and the Frenchmen preferred the lighter weights with more speed. But the American demand soon reached such proportions and his prices were so liberal that the breeders of France were glad to humor his every whim, and when the American said "larger horses and more weight" the Frenchman said, "Here." Here began one of the important changes of the Percheron horse, and a change for which the Frenchman never quite forgave the American, who, with his liberal purse, controlled the situation. This was thirty years ago; our memories are beginning to get fresh. But even yet the Percheron was not a large horse probably 1,500 to 1,650 pounds—75 per cent of them were grays. The Frenchman was still loyal to the lighter weights, and the extremely heavy horse has never been given a prominent place in the French shows. The Frenchman maintains that the Percheron has lost in activity and endurance all that he has gained in weight. Louis Napoleon and Success, both pioneer specimens of the Percheron type in America, were horses that ordinarily weighed 1,600 pounds, and to-day Dunham's Brilliant 1271 would be counted an undersized horse, weighing in normal flesh not to exceed 1,800 pounds. Brilliant 3d, admitted by all authorities to be the greatest Percheron of modern times, even in show condition, never exceeded a 1,900-pound mark. We are now within fifteen years of the present time. The Percheron horse has added 500 pounds to his weight and Dame Fashion is just beginning to find fault with his color. Once he was a cab and carriage horse, yes, even a trotting horse; and reliable records are preserved giving his official time over one and one-half mile and two-mile tracks. In forty heats over a two-mile track as late as 1865 the best time made was six minutes and two seconds. Just picture in your minds Colonel Robison, with a jockey-cap, behind a 2,000-pound Percheron, rigged and trigged for a trotting race, scoring for the pole position. Wouldn't it be a pretty stout race? This reminds me of the only time I ever remember of Colonel Robison showing the least embarrassment. He was arguing the merits of the draft horse, when a trotting-horse man asked the Colonel if he did his "sparking" when he was a young man behind a pair of 2,000-pound Percherons. I don't remember what the Colonel's answer was, but if in his youth he possessed any more fascinating and winning ways with the ladies than he does now he could have easily distanced his red-headed accuser of John R. Gentry fame had they been rivals for the same favors.

But we have reached another fad in Percherons and it is color. We increased his size 500 pounds, changed his outline considerable, raised his rump, which was once flat and steep, up to a harmonious level without resort to a baseball mask or any other kind of wired ornamentations. Without knowing its origin or reason for its existence a sentiment seems to settle like the mist over everything and everywhere that a Percheron horse should be black and must not be gray.

The Great Opportunities in the Canadian Northwest are attracting large numbers of settlers from the United States.

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SAVINGS BANK DEPARTMENT AT EVERY branch. Deposits of One Dollar and upwards received, and interest allowed at current rates.

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Address any of the above managers for maps and reliable information concerning his locality if you contemplate removing to Canada's Great and Fertile Northwest.

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LONDON (ENGLAND) OFFICE, 60 LOMBARD ST., E. C.
 HEAD OFFICE, TORONTO, CANADA.

Had there not been an unprecedented panic in the horse market at that time, it would be difficult to speculate what the price of a good black horse might have been. The men who advertise Percheron horses for sale to-day know two things quite well—that there is a wonderful inquiry for stallions that are black and weigh a ton. The following is a fair sample of the subject matter of five out of every seven inquiries an advertiser receives:

"Pondorosity, Kans., Mar. 33, 1903.

"Dear Sir—Please quote me your smallest price on your largest 4-year-old stallion. Must weigh a ton and be black and his ancestors black; must have good bone, style, action, and good disposition. Answer soon.
 (Signed) A JUMBO.

"P. S.—I have had considerable experience with handling horses."

Experience proves that while a number of specifications may be given he will generally yield most of them, but color and size never. We can not understand this craving for size, and few people attempt to explain it. The farmer's hardest work comes in the hottest weather, and a great variety of tasks are such that to be the most useful to the farmer he must be a compromise on extreme weight. We candidly do not believe that legitimate intelligent trade would call for more than a half dozen ton-stallions for the entire State of Kansas, yet inquiries come from nearly every cross-roads for something big and black. How many Shorthorn breeders are there who, after years of effort and careful selection, finally succeed in getting their herds of the desired red just in time to hear Dame Fashion begin her lusty clamor for roan Shorthorns? How many breeders of Percherons or "soon-to-be" breeders of Percherons, can safely assume, if they begin now with a nucleus of black stock that at the end of another ten years they will possess the fashionable color and reap a higher price? Did it ever occur to you how many horses you exclude in using those three words, Percheron, black, and ton? Did you ever stop to think that those three words took you out of a



Spavin Lump Jaw

You can cure Bone Spavin, Bog or Blood Spavin, Ringbone, Curb, Splint or any blemish hard or soft, Fistula, Poll Eyt, Sweeney or Knee-Sprung, also Lump Jaw in cattle, with very little trouble or cost. Our two booklets tell you how and prove that you can do it, and we will guarantee you success in every case. Over 140,000 farmers and stockmen are doing it our way. If you have a case to cure write us and we will send you the books free.

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CURES Mange and Itch; KILLS Lice, Ticks and Sorew-Worms; HEALS Cuts, Wounds, Galls and all Sores.

GUARANTEED to do the work without injury to eyes or other parts of animal. At dealers or by express, prepaid, \$1.50 per gallon. 25 cent cans—dealers only. Special price in quantities. Write to-day for book and free trial Car-Sul. Address

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Sheep Dips, Tanks, Worm Cures, Ear Marks, Punches, Tattoo Markers, Shearing Machines, Shears, Sheep Marking Paint, Lamb Feeders, Lice Paint, Poultry Supplies, Veterinary Remedies, etc. Write for Catalogue AR.
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A positive and thorough cure easily accomplished. Latest scientific treatment, inexpensive and harmless. NO CURE, NO PAY. Our method fully explained on receipt of postal.

Geo. E. Barrett, Columbus, Kan.

very large ring with a normal amount of buyers and put you in a very small one that is more than crowded at the present time with buyers anxious to spend their money? Have you stopped to think that the two words black and ton found their way in Percheron vocabulary within the last ten years, and that one word black discarded nearly 75 per cent of the entire Percheron population of France and America as social outcasts? Mr. Chas. DuHuys, master of horse for the French government, says of the gray Percheron: "If I had liked the gray horse it was from conviction and not to court those who saw no safety outside of the grays. But when the wisdom and the extreme intelligence of masters of science, preferring a less showy color, demonstrated to me that Perch might find an era of new glory and prosperity in changing the coat of its horse and thus enlarge the circle of consumption, I bowed meekly to their opinion. I liked the gray horse because I thought that Providence had created it gray in order that it might be able to withstand, during its work, the heat of the sun, and not be prostrated under its rays. I liked the gray, as the Arab liked his horse gray, and his bournouse of a whitish color; as the American planter likes his white cotton suit and his panama; as our soldier, in the field, liked, under the African or Mexican sky, the havelock which protected him against the rays of the burning luminary. I liked the gray because it seemed to me to recall more than any other the Arab, the primitive horse; because Perch, having always the best gray horses, I thought there was much more chance of finding under this coat the true type of the country."

Close behind the word gray came the craze for weight, which in all probabilities put 80 per cent of the remaining 25 in disfavor. Have you ever stopped to contemplate what would probably be the result of the breeder who had for his principal aim a black Percheron horse that weighed a ton? Would you seek the herd of such a breeder to find fresh blood for your own? It did not take a great while to get the Shorthorn cattle too red and too large, but to-day there are thousands of men with millions of dollars invested coupled with their hundred years of experience and brightest of minds trying to make more of them perfect. What has been true of the Shorthorn may, indeed I believe will, be true of the Percheron. We will, and have changed his color in a few years, likewise his size; but are we any nearer the perfected uniform established race standard than we were? Have the last steps been taken forward or backward?

A sculptor conceives a beautiful figure in his mind, and then with a skilled hand and chisel transfers these lines to the marble. The beauty of the conception and the skill with which he transfers those symmetrical and harmonious lines to his marble makes his name and his fame. He does not hunt for the largest piece of marble, and when he has found it pry it from its hiding place and receive the plaudits of the world as a great sculptor. And I do not believe it should be the aim of the breeder to place so much importance on size and color. For a thousand years the world has wanted, and diligently sought, perfection of outline in all types of horses. She has never been constantly faithful to any color or weight. Doubtless Raphael could have bought more canvass and painted larger pictures, but it was beauty of the lines and the harmony of the colors that brought him lasting fame. It may do for the speculator and investor to buy the big and the black Percheron and dispose of him for commercial gain, but the breeder and improver should have a higher aim than size and weight. He, too, should strive for the conception of an ideal outline, and then with a breeder's skill mold these lines into flesh and blood. This man is great, and great will be his reward.

The Taylor Shorthorns at Manhattan.
There are many young farmers in Kansas who are engaging in the business of pure-bred stock-raising with the knowledge that they will have a business that is as safe and profitable as that of banking and which will last as long as men eat beef. These young men have the advantage of the wisdom gained by their forebears in the art of breeding as well as of feeding and most of them have made much better starts along both these lines than did their predecessors. Among the most successful of these breeders may be mentioned Mr. W. W. Taylor, of Sawyer, Kans., who will sell a draft from his Shorthorn herd in connection with the sales being made by his father who owns the Sunflower Hereford Herd. This sale will be held in the new sale pavilion at Manhattan, Kans., on April 15 and will consist of 19 females, all bred or with calves at foot, and 7 bulls. During our visit to the Sunflower Here-

ford Herd we took time to inspect the Shorthorn herd belonging to the younger Mr. Taylor, and were especially pleased to find the quality of breeding as well as quality of individuals that this herd contains. The blood lines represented in this herd of Shorthorns are of the best, and these cattle were fortunate in having an owner who thoroughly understands the business of feeding and caring for them. The herd-bull, Roan Duke 15499, will be offered in this sale. He is nearly pure Cruickshank, with a slight sprinkling of Booth and Bates blood of the first quality. He was sired by Roan Champion 15498 by Ben Hur 121928 out of Red Minnie, Vol. 43. His dam was the Scottish Lad cow, Surprise of Highland, Vol. 48. The female offering in this sale will include one or two cows that are 6 or 7 years of age but are all true and tried breeders, and the herd as a whole has been characterized by its flesh-carrying and milk-giving qualities. We predict that this bunch of Shorthorns will be highly appreciated by the breeders who will gather at Manhattan, both because of the quality of the animals and because of the fact that Manhattan is an old-time Shorthorn center where good animals are appreciated. We have already had many inquiries in regard to this offering and can only say that it is of such quality that we believe it will pay every Shorthorn breeder in Kansas to be present or send in a bid. Col. L. R. Brady, of Manhattan, will furnish the catalogue on application.

Shorthorns at Falls City, Neb.

On Saturday, April 18, Mr. Job Goslee, Skidmore, Mo., will sell forty head of Shorthorn cattle at Falls City, Neb. This sale follows directly after the Ernst sale at Tecumseh, Neb., and will serve to keep up a good lively pace among good cattlemen of adjoining sections of Kansas and Nebraska. The name of Goslee has been familiar to the old-time breeders of Shorthorns in northwestern Missouri these many years, and it may be truthfully said that Mr. Goslee will bring a fine string of well-bred, big, useful cows to this Nebraska sale. They consist for the most part of the old-time popular families—Young Marys and Rose of Sharons. They have made Mr. Goslee plenty of money for the very sufficient reason that they have multiplied on his hands, and have been good, ready sellers. It is practically a red herd, there being perhaps two or three roan animals on the farm. There are fifteen young bulls included, the larger part of these being ready for efficient service now. The catalogue shows for reference the pedigrees of three great Scotch herd-bulls that have been used in this herd, and whose blood lines pervade the entire herd. These are Lord Lavender, Gloster's 2d Duke, and Lord Victor—a Lavender, a Duchess of Gloster, and a Victoria. The Duchess of Gloster bull is to be included in this offering. He is a massive red fellow of excellent feeding and handling quality, and immense scale. His impressiveness as a sire is undisputed. He was got by Imp. Salamis, dam Canadian Duchess by Gloster 24th by Imp. Duke of Lavender. This bull should catch the eye and favor of some man in search of a herd-bull. It is true he is 7 years old, but it is to be remembered that he has been used sparingly, and this fact puts him at a premium as a sure sire of vigorous calves to-day. In the catalogue he is marked "for reference only," but that is an error—he is in the sale. You will see plenty of his get that will amply show what he is capable of doing. In the entire history of Shorthorns no proposition has been demonstrated more early than that of the value of these four, five, or six rich top crosses toward making a good pedigree and a model beef animal, when built on a standard foundation. From this point of

view we commend the Goslee catalogue of pedigrees to a careful and critical inspection on the part of prospective buyers. It may be of interest in this connection to point out that in the Bellows sale at Omaha last November it was one of Gloster's 2d Duke's yearling heifers that sold for \$410. She was bred by Mr. Goslee, and she went to Mr. Howell Reese, of Wisner, Neb. This indicates what is behind such rich breeding when properly put in form for exploiting a public sale proposition. Mr. Goslee makes no pretension, however, toward exhibiting or selling show stock. He wants it understood that he is selling his cattle in their every-day working habit. They are essentially a working herd of Shorthorns and must go to new owners in condition to go straight ahead in a career of usefulness. There will be a few calves now at foot, and there will be others dropped soon after sale day. Several of the Gloster's 2d Duke heifers are shortly due to the service of Lavender's Best, full brother to the young bull that sold in the C. D. Bellows' sale at Omaha to a Nebraska buyer for \$375. Remember these rich top-crosses (Lavender, Duchess of Gloster, and Victoria) on a Young Mary and Rose of Sharon foundation, and do not fail to be at this Falls City sale on Saturday, April 18. See our sale announcement and write Mr. Goslee at Skidmore, Mo., for catalogue, mentioning Kansas Farmer in so doing.

The Omaha Angus Sale.

Since the successful culmination of the recent two-days' sale of Aberdeen-Angus cattle at Omaha, the announcement of a second spring sale at the same point is made with even more confidence than the first. The "market-topping doddies" have a safe place in the hearts of the people. They have been heard from favorably at the block, the court of last resort, on every occasion. On April 15-16 there will be sold in the South Omaha sale pavilion as attractive a lot of well-bred Angus cattle as ever came before buyers at this point. The evidence submitted in our notes of last week was very much to the point. The young cattle sent forward by Mr. Geo. E. Stevenson, Jr., Waterville, Kans., for the March sale were highly appreciated, and it is due him to say that his April sale contingent will be squarely up to the mark again, embracing as it does the daughters and granddaughters of the great sire, Polar Star by Golden Abbott, also the young bull, Sir Lancelot, grandson of Polar Star. Mr. A. E. Cromwell, of Atchison, Kans., has listed some extra good show stuff. Among these is the noted Abbess bull, Artell of Estill. This great son of Heather Lad 2d is one of the noted animals of the breed. He is a double Black Knight, and is both a great sire and a show bull of high merit. He was the highest priced bull of 1901. Others of his offerings are a Drumin Lucy, a Queen Mother, and an Alice. Two of these are safely bred to the great Barbara bull, Bamboo, bred by W. A. McHenry, N. G. Daughmer & Son, Douglas, Ill., has a nice draft of eleven head, among them the Heather Bell herd-bull, Cedar Lake Antelope, a grandson of Gay Lad and Young Wellington. The string of young cows offered are largely the get of Royal Eric, of Cedar Lake by Royal Eric, several calves at foot by Cedar Lake Antelope. Owen Catterton sends from his well-known herd at Maryville, Mo., some of his valued breeding cows, also sons of Clausman's Chief Heather Eclipse and Baltimore of Glendale. Easter Tulloch Duchesses, Drumin Lucys, and Prides are contributed by Haley Bros., while J. B. Blackwell, also of Missouri, comes forward with excellent specimens of the breed. In this sale are some fine daughters of the great Blackbird bull, Black



Warranted to give satisfaction.

GOMBALT'S CAUSTIC BALSAM

A safe, speedy and positive cure for

Curb, Splint, Sweeny, Capped Hock, Strained Tendons, Founder, Wind Puffs, and all lameness from Spavin, Ringbone and other bony tumors. Cures all skin diseases or Parasites, Thrush, Diphtheria. Removes all Bunches from Horses or Cattle.

As a HUMAN REMEDY for Rheumatism, Sprains, Sore Throat, etc. it is invaluable.

Every bottle of Caustic Balsam sold is warranted to give satisfaction. Price \$1.50 per bottle. Sold by druggists or sent by express, charges paid, with full directions for its use. Send for descriptive circulars, testimonials, etc. Address THE LAWRENCE-WILLIAMS COMPANY, Cleveland, Ohio.

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HORSE SALE of FAST HORSES

—WILL BE HELD AT THE—

WICHITA FAIR GROUNDS, WICHITA, KANS., MAY 5, 6, 7.

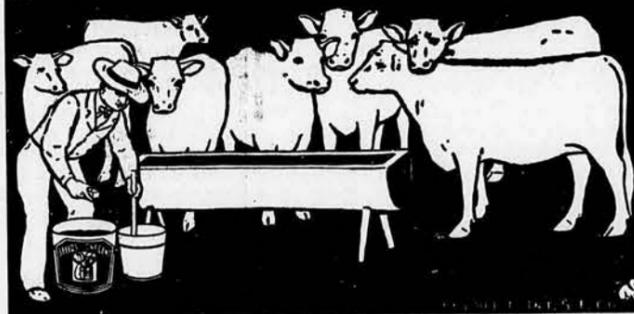
—UNDER THE NAME OF THE—

WICHITA HORSE SALE COMPANY,

Which consists of some of the best-known horse-men in the world. J. T. Hessel, Cheney, Kans., President; J. B. Chandler, Wichita, Kans., Vice-President; F. A. Russell, Wichita, Treasurer; J. S. Lehr, Eldorado, Kans., Secretary. Now send in your entries at once to J. S. Lehr, Eldorado, Kans., as we expect to make this one of the greatest sales ever held west of the Mississippi river. We also expect to sell some of the fastest and best bred horses ever sold in an auction ring, and to have some of the best buyers that can be found for all classes of horses. Send in your entries early, so as to get a good place in the catalogue. Catalogues mailed on application.

J. S. LEHR,
ELDORADO, - - - KANSAS.

FOR SALE—Prince George, draft colt coming 3 years old, weight 1950 lbs., 17 hands high; standard and registered under the American Draft Register, No. 1468. This is the finest colt in this country. For further particulars write to J. S. LEHR, Eldorado, Kans.



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Respectfully,
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3 FEEDS FOR ONE CENT

King of Woodlawn, property of Silas Igo, Palmyra, Iowa.

E. Reynolds & Son, Prophetstown, Ill., send to this sale a string of young bulls embracing the blood of such noted sires as Moon Eclipse, Young Wellington, Black Knight, Jim Jams, etc. Other Illinois contributors are: I. D. Webster, Pleasant Hill, and Palmer & Palmer, Princeton. Mr. Chas. Escher, Jr., contributes seven head of his last year's importation, a half dozen of them being 2-year-old heifers, and one fine young Eric bull. This is a selected bunch of young cattle that must get the attention of high-class cattlemen. F. F. Warner and A. N. Amey are others among the Iowa contributors.

Marion C. Stone and C. J. Williams each contributes a string of fine bulls for the farm and ranch trade. The forty bulls sent to this sale should give emphasis to the event from the feed-yard standpoint. Let farmers and ranchmen keep the date in mind and come to Omaha on April 15-16. See advertisement, and secure catalogue by writing Chas. Escher, Jr., manager, at Irwin, Iowa.

G. B. Scott's Brood Sow Sale.

The public sale of Poland-China bred sows and gilts, held at Carbondale, Kans., on March 30, by G. B. Scott; also a small consignment by Bassett Bros., of Burlington, was quite a gratifying success. Very satisfactory prices were realized. Mr. G. B. Scott sold one boar for \$25, and twenty-eight sows and gilts for \$866, an average of \$30.90. Bassett Bros.' consignment of twelve gilts brought \$271.50, an average of \$22.62. The sale in detail is as follows:

- 1. John Wear, Carbondale.....\$44.50
- 2. Henry Ulrich..... 37.00
- 3. P. B. Brosemer, Falls Summit..... 70.00
- 4. John Patterson, Carbondale..... 33.00
- 5. A. A. Nicolay, Osage City..... 41.00
- 6. W. P. Goode, Lenexa..... 52.00
- 7. G. B. Scott, Carbondale..... 12.00
- 8. J. C. Holland, Topeka..... 29.00
- 9. (boar) R. W. Robison, Carbondale 25.00
- 10. W. P. Goode..... 66.00
- 11. Jacob Herold, Carbondale..... 35.00
- 12. Wm. Plummer, Barclay..... 25.00
- 13. Archie Hauter, Emporia..... 20.00
- 14. Wm. Plummer..... 22.00
- 15. J. C. Holland, Topeka..... 15.00
- 16. F. P. Maguire, Hutchinson..... 19.00
- 17. A. A. Nicolay, Osage City..... 30.00
- 18. Albert Vester, Carbondale..... 17.25
- 19. Wm. Plummer..... 36.00
- 20. Wm. Plummer..... 26.00
- 21. J. C. Holland..... 26.00
- 22. W. P. Goode..... 50.00
- 23. E. E. Gardner, Carbondale..... 32.00
- 24. Geo. Nicolay, Carbondale..... 36.00
- 25. Wm. Plummer..... 32.00
- 26. J. C. Holland..... 19.50
- 27. Albert Vester..... 15.25
- 28. Wm. Plummer..... 25.00
- 29. H. J. Hartman, Carbondale..... 37.00
- 31. W. M. Kaff, Carbondale..... 25.00

BASSETT BROS' CONSIGNMENT.

- 32. W. P. Goode..... 20.50
- 33. G. B. Scott..... 17.50
- 35. W. P. Goode..... 15.00
- 36. G. B. Scott..... 27.00
- 37. Henry Ulrich..... 17.00
- 38. John D. Zoller, Hiawatha..... 26.00
- 39. G. B. Scott..... 18.00
- 40. W. P. Goode..... 22.00
- 41. W. P. Goode..... 19.00
- 42. John Cordt, Carbondale..... 18.50
- 43. G. B. Scott..... 20.00
- 44. G. B. Scott..... 51.00

Quality Counts.

In calling attention to the Taylor sale of pure-bred Shorthorns and Herefords to be held at Manhattan on April 15, we again refer to the fact that this offering in both breeds will show extra quality as well as condition. There is no finer breeding than can be found among the Hereford offering and a good deal of prize-winning blood is in it. When the opportunity is afforded to get in the same sale, such Herefords as the four young bulls that are offered, it is one not to be missed by a breeder who cares for value. What better could one want than a fairly good calf, sired by Corrector out of a Hesiod cow, or a grandson of Beau Brummel out of the choicest cow to be found in a select herd of 300 head. Or what better breeding could be desired than Don Carlos on a Wild Tom cow by a Cherry Boy; or the same top line on Anxiety 4th. Added to these strains of prize-winning blood is the fact that the animals offered are well fed and in fine condition and ought to bring some good money.

In the Shorthorn offering the blood lines are also good and we predict that somebody will pick up a snap here; in fact, if this Shorthorn offering does not realize handsome prices we shall feel a keen sense of disappointment both in the accuracy of our judgment and the appreciation in which good Shorthorns are held in the vicinity of Manhattan which is one of the old Shorthorn centers of the State.

Hereford Men Organize.

The Hereford breeders of central Missouri met at Moberly and organized the Central Missouri Hereford Breeders' association, taking in the counties of Macon, Shelby, Monroe, Randolph, Chariton, Audrain and Boone. J. E. Summers, of Huntsville, was elected president; J. D. Gattey, of Macon, vice-president; S. L. Brock, of Macon, secretary and treasurer; and a board of directors composed of the president, vice-president, and the following gentlemen chosen: J. D. Switzer, Shelby County; N. E. Mosher, Chariton County; George E. Ess, Audrain County; J. M. Proctor, Jr., Monroe County.

The association was formed for the purpose of making an organized effort to advance Hereford interests in central Missouri and for holding sales of pure-bred Hereford cattle at chief railroad centers in these counties. Much interest was manifested by the breeders present and interesting and enthusiastic addresses delivered. The gentlemen present represented 1,028 head of pure-bred Herefords. The first sale will be held at Moberly, Thursday, September 4, next.

Gossip About Stock.

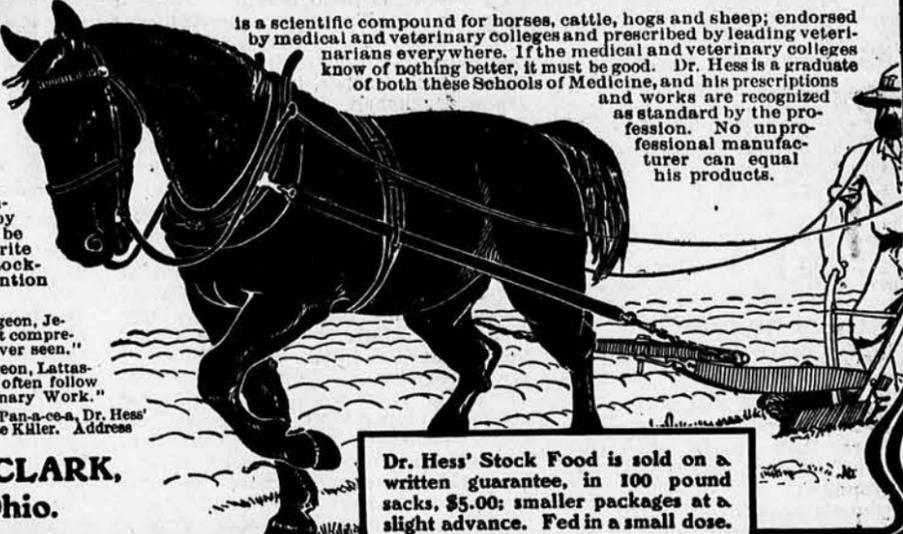
The only opportunity to buy representative Aberdeen-Angus cattle at auction this spring will be on the occasion of the breeders' combination sale to be held at Kansas City, Wednesday, April 22, 1903, at which time seventy head comprising forty bulls of serviceable age and thirty cows and heifers will be sold. The offer-

The Willing Horse

Dr. Hess' Stock Food given twice a day, in tablespoon doses, makes a horse fit for any task, and willing at any work. It improves the coat, purifies the blood, removes dropsical swellings and stocking of the legs, prevents cracked or greased heel, cures distemper, indigestion, constipation, worms and scratches, and is a tonic to the organs of reproduction. Dr. Hess' Stock Food is especially valuable for mares in foal and for growing colts—as well as for fattening horses for market. It is easy to grow a handsome animal from a very unpromising colt, if Dr. Hess' Stock Food is given regularly, from the first year on. Dr. Hess' Healing Powder cures galls, cuts, burns, and open wounds of every description. Four ounce package by mail 25c.

Dr. Hess' Stock Food

is a scientific compound for horses, cattle, hogs and sheep; endorsed by medical and veterinary colleges and prescribed by leading veterinarians everywhere. If the medical and veterinary colleges know of nothing better, it must be good. Dr. Hess is a graduate of both these Schools of Medicine, and his prescriptions and works are recognized as standard by the profession. No unprofessional manufacturer can equal his products.



DR. HESS' Great Stock Book on diseases of animals and poultry, the only complete treatise for popular use, consulted and recommended by prominent veterinarians, will be sent free, postpaid, if you write what stock you have; what stock-food, you have used; and mention this paper.

C. M. McCLAIN, Veterinary Surgeon, Jeromeville, O., says:—"It is the most comprehensive work for farmers I have ever seen."

H. H. LAYMAN, Veterinary Surgeon, Lattsburg, O., says:—"In my practice I often follow suggestions given in your Veterinary Work."

We also make Dr. Hess' Poultry Pan-a-cosa, Dr. Hess' Healing Powder and Instant Louse Killer. Address

DR. HESS & CLARK,
Ashland, Ohio.

Dr. Hess' Stock Food is sold on a written guarantee, in 100 pound sacks, \$5.00; smaller packages at a slight advance. Fed in a small dose.

ing will consist of consignments from leading Kansas and Missouri herds. For catalogue address W. C. McGavock, Mt. Pulaski, Ill. Further particulars next week.

L. H. Kilbourn, Albion, Neb., held a public sale of Shorthorn cattle with little previous announcement on March 28, and sold forty-one head for \$5,000, an average of \$122. Thirty-one females averaged \$135, and ten bulls sold from \$75 to \$118, making an average of \$81.50.

J. L. Shore, manager of the Golden Belt Stud, of White City, Kans., who has a number of trotting and pacing stallions for sale, announces that young Patchen Wilkes, cousin of the \$60,000 Dan Patch, 1:59 1/4, and nephew of the iron race-horse, Joe Patchen, 2:01 1/4, with other fine stallions will be at the Topeka fairgrounds to make the season for mares during April, 1903. For further information, address Mr. Shore as above.

A letter just received from Mr. W. W. Taylor informs us that his catalogue for the great combination sale of Herefords and Shorthorns to be held by himself and father at Manhattan, Kans., on April 15, are just ready for distribution and may be had by addressing Col. L. R. Brady, at Manhattan. These catalogues will contain some valuable reading matter to breeders both young and old who are interested in good cattle. Notice the large handsome display advertisement on page 400 and write for catalogue.

Mr. S. S. Spangler, Milan, Mo., who does not seem to be content to stop business because of the fame he won last month by making an average of \$514 in his sale of Percheron mares and stallions, has just been over to Kansas and bought a load of choice road horses. These are strongly bred in George Wilkes and Mambrino Russel blood and we understand it is the purpose of Mr. Spangler to fit these youngsters for his great annual sale which will take place during the spring of 1904. Not only is Mr. Spangler a hustler but he is a formerly-of-Kansas man who knows where to come when he wants good stock.

The next great auction sale of fast horses will be held at the Wichita fair-ground, Wichita, Kans., May 5, 6, and 7, under the auspices of the Wichita Horse Sale Company. Among the notable horsemen composing this company may be mentioned, J. T. Hessel, Cheney, Kans., president; J. V. Chandler, Wichita, Kans., vice-president; F. A. Russell, Wichita, Kans., treasurer; and J. S. Lehr, Eldorado, Kans., secretary. Kansas horsemen who wish to make entries for this great sale, which will consist of some of the fastest and best-bred horses ever sold in the State, should send for entry blanks to J. S. Lehr, Eldorado, Kans.

A three-days' combination sale of Shorthorns and Polled Durhams was concluded at Newton, Iowa, on Thursday, March 19. The last day of the sale was occupied by the auctioneers in disposing of the Polled Durhams and Shorthorns consigned by F. F. Fallor, Newton, Iowa. While there appears to have been a good crowd present the prices generally did not rule high. But as these sales came immediately after the dispersion sale of the Bigler cattle perhaps this fact is sufficiently explanatory. The summary of Mr. Fallor's sale is as follows:

- 35 cows brought.....\$3,440; average..\$98.30
- 8 bulls brought..... 985; average.. 123.12
- 43 head brought.....\$4,425; average..\$102.90

Under date of March 25 comes the announcement that Major Maude, who has been with the British remount service in Australia, arrived in New Orleans for the purpose of arranging for the shipment of Texas cattle to South Africa for the purpose of restocking the depleted farms and ranches. The Major states that no horses or mules will be shipped, as they are now in excess in that country since the Boer war. A number of ships have been char-

40 Shorthorns at Auction.

Sale at Falls City, Neb., Saturday, April 18, 1903.

...25 COWS AND HEIFERS...
.....15 BULLS.....

The great red pure Scotch bull, Gloster's 2d Duke by Imp. Salamis included.

12--Grand Daughters--12
and
15--Grandsons--15
of

Imp. Salamis.

For sale catalogue, write

JOB GOSLEE,

SKIDMORE - - - MISSOURI
Ools. Woods, Harding, and Marlon, Auctioneers.

Draft Stallions.

I have for sale six heavy, pedigree stallions at BAILEY'S BARN, MANHATTAN, KANS., ages 3 to 6 years; weight 1,500 to 2,000 pounds. One imported Clyde, one Shire, and four Percherons; all good colors. These stallions are from Singmaster & Sons' famous breeding establishment at Keota, Iowa.

Be sure and see them soon, as they are for sale at right prices and on easy terms.

ELI ELLIOTT.

tered, and the government plans to buy cattle in Texas and ship to South Africa for sale at cost price to the burghers for the restocking of their farms and ranches. They have the idea that Texas cattle will be more preferable because of the more nearly allied climate to which they are accustomed.

One of the strongest and most useful associations in the country is the Central Shorthorn Breeders' Association, of which T. J. Wornall, Liberty, Mo., is president. This is not a record association but is purely for the purpose of spreading knowledge that is helpful to

both the experienced breeder and the beginner. It holds annual meetings at which the papers read and the discussions had are of a very high order. Its last annual meeting was held at Lincoln, Neb., during the week in which the State Board of Agriculture held its sessions there and a number of the papers read at that time have been published in the Kansas Farmer. The next annual meeting will be held at St. Joseph, Mo., and President Wornall has arranged to give a handsome banner to the State furnishing the largest delegation at that meeting. This banner will be the permanent (Continued on page 384.)

The Young Folks.

Conducted by Ruth Cowgill.

AN OPTIMIST.

"O aged man, pray, if you know,
Now answer me the truth! —
Which of the gifts that the gods bestow
Is the greatest gift of youth?"

"O aged man, I have far to fare
By the divers paths of earth,
Say which of the gifts that with me I bear
Is the gift of the greatest worth?"

"Is it the might of the good right arm,
Whereby I shall make my way
Where dangers threaten and evils harm,
Holding them still at bay?"

"Is it the strength wherewith I shall climb
Where few before have trod—
To the mountain-tops, the peaks sublime
That glow in the smile of the god?"

"Is it the never-failing will,
Invincible in might,
Which armed against oppression still
Shall vanquish for the right?"
"Or is it the heart, thou aged man!—
The heart impassioned, strong—
Which shall be blessed, as naught else can,
In perfect love ere long?"

The old man smiled; the listening breeze
Grew white on the sunlit slope;
The old man signed: "Ah, none of these!
Youth's greatest gift is hope."
—Florence Earl Coates, in Lippincott's.

Mayor's Retribution.

CLARA MOLER.

CHAPTER V.

The mob became strangely quiet. Turn where they would, the rifles gleamed, resistance meant death, they were surrounded.

"The game's up, boys!" cried the leader, "the cadets and the police are too much for us. We'll have to give in."

An angry murmur of assent came from the mob, and without further parley the prisoner was turned over to the police, who whisked him away to the jail.

And soon Ned Carrollton, only son of one of the wealthiest, most influential business men of L—, solitary scion of a proud old race, was locked up in a damp, dark cell, there to quietly await an unknown fate.

And what has caused this change from a pure, noble, upright manhood to a groveling criminal? It is rum, rum, the curse of ages; rum, the agent of crime and misery; rum, the enemy of truth, purity, happiness, and of the home.

And there was one man, now bowed with grief, who might have saved that boy from dishonor; but in trying to win popularity and a place in politics, he had shirked a father's duty, and must bear the penalty.

As Mayor Carrollton bent over his wife, whom he feared to leave for a single moment, his face looked wan and old.

As the first faint streaks of dawn entered the sick chamber, Mary Carrollton opened her big blue eyes, and her husband saw, with a glad throb, that the light of reason shone in their clear, liquid depths.

"My boy!" she panted, "Ned! O, my Ned! they've killed my boy, O, Rodger! he's dead! he's dead, our pretty, winsome boy!" and she covered her face with her trembling hands, while an agony of sobs shook her feeble frame.

"Listen, Mary," said the husband. "Ned is not dead, he was rescued by the police last night. Don't worry, little woman, I am anxious to see what can be done for him, but I feared to leave you last night, you grew bad so quickly."

"Go," she panted, pleadingly, "save him, O Rodger! don't let him die a felon's death."

"Good bye, then. I'll do what I can," and Mayor Carrollton seized his hat, rammed it well down upon his head, and hurried from the house.

He sent one of his wife's friends to sit with her during his absence, for he could not bear the thought of leaving Mary alone for a single moment, and a half hour later he entered the cell where his son sat with head buried in his hands.

"Ned!" The young man sprang to his feet. "Father, why have you come?" he said sadly. "Why do you not leave me alone in my disgrace? I deserve to suffer alone."

"My son! my dear son!" Tears stood in the father's eyes, as he reached forth his hand and laid it carressingly on the jetty curls, then gently as his mother would, took the boy's slim, white hand in his.

Ned sprang back with a look of horror. "Father, this hand is red with human blood, and unworthy for you to touch. I'm a criminal, father, and the cursed rum made me so. It maddened my brain, and caused me to shoot my best friend. It turned me into a de-

mon, a murderer. I tried to reform, father, I tried to be a man, but the love of drink was there. It fought for the mastery, it conquered, and within these prison bars it has landed me at last. Poor Charlie Grayson! I would not have harmed him for the world, if I had only been in my right senses. O, my God! I can see the red blood flowing from that wound in his breast yet. Poor Charlie! poor friend!" and he shuddered.

"Tell me all about it, Ned," said Mr. Carrollton, sitting down beside his son on the iron cot. "Your mother sent me to you. She is very ill, and oh, so anxious about you."

"Poor dear little mother! have I killed her too?" groaned the unhappy young man. "I went down town early last evening. I had no intention of evil then. Truly, father, I had not touched liquor for nearly a year, and oh how earnestly I have prayed that God would keep me free from its contaminating influence. But I had not much more than reached the street, when I fell in with several of my old chums, Grayson among them. They were in a merry gale, and coaxing, pleading, almost forcing, they drew me into that accursed den of iniquity, the Palace saloon. There amid the light, glitter and merry clink of glasses, I forgot father, mother, home, every thing. I drank heavily, and soon found my reason going. After a while, Charlie drew me to a gaming table; things did not go just right with us and we quarreled. I was far too drunk to realize what I was doing. I remember that I suddenly drew a revolver, and fired. I saw my friend sink to the floor with a groan, the red blood spurting in a stream from a bullet hole in his breast. I seemed to come to my senses with a rush after that, and realized that I must flee for my life. It was very easy to slip away during the intense excitement that prevailed and soon I reached home, and when I hid myself in that box in mother's room, I felt tolerably safe; but they found me, and dragged me forth, and you know the rest—how the police saved me from death at the hands of the mob, and brought me here."

The jailor came at this moment and said, "Mr. Carrollton, you time is up. I must ask you to leave the cell." "Don't be downhearted, Ned," said the jailor, kindly. "You did not kill Grayson after all. The physician says the wound is not even serious, and that Charlie will pull through all right. You will be free in a few day, never fear."

These words fell upon Ned's ears like heavenly music. Hope, after the blackest night of despair and misery. He need not bear upon his brow the mark of Cain, after all.

Then a strange darkness seemed to creep over him, and unconsciousness came to the relief of his troubled brain.

When consciousness returned, Ned found himself lying on the iron cot, his head supported by his father's arm, and a physician bending over him.

Grayson declared that he was to blame for the whole affair, and refused to prosecute Ned, who was released. He returned gladly to his home and mother, that mother whose love could overlook his greatest fault and cling closest to him in adversity.

CHAPTER VI.

Edward Carrollton's proud, sensitive soul could not bear the disgrace cast upon him by his own reckless act, and sought forgetfulness in the West.

The rude, untutored cowboys became his fast friends. There was something in his own wild, reckless nature akin to theirs. He soon learned to ride the most treacherous, bucking broncho on the plains, and to throw the lariat with unerring aim.

The strong winds bronzed his cheeks, but not even that rough, wild life could rob his face of its manly beauty, or his tall, sinewy form of its natural grace.

Cowboy though he was, he did not seek the drinking or gaming resorts in which the plains abounded. His comrades oftentimes wondered at this strange freak in his nature, and chaffed him not a little about his temperance notions, trying to coax him to play and drink with them, but he only shook his head, saying that he had had hell enough, and did not mean to get into any more scrapes.

And so three years drifted slowly by, with little or no change in the life of this city-bred boy.

To Mayor Carrollton these three years had been eventful. First, the boom that had promised to make L— a large city burst, then came bankruptcy to several of her most prominent citizens, among whom was Mayor Carrollton. He managed to save only



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a few hundred dollars from a once large fortune.

In the midst of his trouble, his faithful wife sickened and died; and stricken with grief and poverty, he could only turn his thoughts to his absent son, and that far-off western plain, which promised to him an opening, yes, he would take his scant means, go west to his son, and they would settle together on a small cattle ranch, and he would henceforth devote his time and energy to stock-raising, and be company for his boy.

He paid a last visit to the little mound, where lay his sleeping Mary, then the train bore him westward, and other scenes came crowding thick upon him.

At last the journey was at an end, and a little station in Arizona received the traveler, and as he stepped from the train to the platform, his face was beaming with pleasant anticipations and his heart beat high with joy at thought of meeting his boy.

He looked upon a vast, wild country, stretching his knew not whither, while the train, relieved of its passenger, sped onward, leaving in her wake a long line of smoke, while the shining steel rails stretched into the far distance.

It was plain that Mr. Carrollton was a stranger, for as he walked he looked from side to side, as if uncertain in what direction to proceed.

Suddenly there was a clatter of galloping hoofs behind him, and in another moment the strangest figure he had ever seen reined in his steed, and springing lightly from the saddle cried, "Hello, stranger! just come, haven't you? You've missed all the fun."

"What fun?" inquired Carrollton, looking his questioner over keenly and with some amusement.

"Why, we fellows have just had a lynching bee out there," pointing to the west.

Carrollton shuddered. "You needn't shake," said the man with a laugh. "It's easy to see you're a tenderfoot, but lynchings are common among us fellers out here. You see, we cowboys don't go much upon ceremony, but when a feller needs killin', we kills him. Courts and judges don't have much of a show with us, we takes the law in our own hands."

"What did you lynch him for?" asked Carrollton.

"Well, you see, sir, it was just like this. A lot of us fellers come into town this afternoon, and along with us was a young tenderfoot, or we called him tenderfoot because he absolutely refused to touch liquor or play cards, but he could ride the wildest broncho on the plains, and throw the lariat as well as any cowboy who ever handled a rope. On finding that he was really going with us, we made it up among us to get him gloriously drunk, for once at least, and we did—though we had no idea it would end as it did. He wouldn't hear to it at first, and talked to us like a parson, but we dragged him in by force, and poured the liquor down his throat. After that, it was easy getting him to drink, and pretty soon we began to play cards. We had not been playing long, until Bill and the tenderfoot got to quarreling; the tenderfoot accused Bill of cheating on the game, Bill told him he lied, whereupon tenderfoot draws a revolver, and shoots Bill through the head. Then he tries to make his escape, but we fellers are too much for him, and he has to give in, but he dies game though, to the very last. Want to see his body, stranger?"

Mr. Carrollton shudders at the very thought and yet some strong fascination was at work upon him, for he silent-

ly bowed his head in quiet assent, and shortly the two came in sight of the scene of the tragedy. A short distance before them stood a tall tree, and from its limb dangled a human form, back and forth in the gentle wind it swayed. Suddenly a moonbeam rested full upon the face, and disclosed to the father's eyes the pallid, ghastly features of his boy.

A piercing cry of mortal anguish rent the still air.

"O my God! it's my Ned! my son!" There was no mistaking the clear-cut handsome features, the jetty black curls, the marble brow.

A few moments of intense silence, then a report loud and clear rang out upon the soft night wind, and the father fell a bleeding corpse almost at the feet of his murdered son.

The revolver still smoked in his pulseless hand, a stream of blood flowed from a bullet-hole in his temple, and the iron-gray hair, straying down his face, was blood-stained.

And this was justice, this was the work of rum, the saloon was the altar and this gray-haired man and his handsome son the sacrifice.

[THE END.]

Brave Hector.

Long ago, when I was a very small girl, a little forlorn pup came to our house where it was fed and cared for until it had grown to be a large dog; and, as its care fell mostly to me, of course we became great friends and were always together. Hector, as I had named him, disliked all of the other members of our family and took every opportunity to show his dislike by snapping and growling whenever they attempted to come near him. One day I called Hector and started down to the creek which ran through our place, and after reaching it, regardless of the fact that the recent rains had raised it until it was dangerous to try to cross on the narrow foot-bridge, which father had put across so we children could go to school, I started bravely across but was very much surprised and angry to see that Hector refused to come with me. I turned and was going back to try to coax him to come when the bridge broke and I fell into the foaming water. Hector realized my danger and plunged in to save me, but after making several attempts to reach me, he turned, and to my great dismay swam to the bank and ran as fast as he could toward the house where he saw my brother going to the barn. To his great surprise, Hector ran to him, and crouching down by his side began whining in a most pitiful way and started toward the creek; but seeing my brother was not coming, he ran back and seized his hand in his teeth and he was compelled to go with him, at the same time wondering what had happened and why the dog who had never before come near him acted so strangely. They reached the place where the bridge had been and where one end of it still remained. Hector looked around and then lay down on the bank and gave one long, mournful howl. My brother by this time was convinced that something was seriously wrong, and remembering that I had left the house with Hector, started to look for me. After looking around for some time he came back to where he had left Hector but the dog was not to be seen anywhere. After falling into the water I, being able to swim a little, managed not to sink, but the current was so strong I could not reach the bank and was ready to give up in despair when I saw the end of the bridge give way and come floating rapidly down the stream. I managed to catch hold of one of the projecting

boards and thus drew myself up where I was safe from drowning, but the fear that the bridge would drift on and on and I would not be rescued took possession of me, and I kept praying that something would happen to check the bridge, when all of a sudden it gave a sideways lurch and was securely lodged in the tops of some trees. I had not remained there very long when I saw my brother on the other bank and he called to me to not be afraid for he would soon come with help. After knowing I would be saved my first thought was for Hector. Where was he? When my brother returned with a boat and I was safe in my mother's arms, I asked him if he had seen Hector. He said, "Yes, but not for quite awhile." I started out to find the friend who had been so faithful. I had not gone far when I discovered his body near the edge of the creek where it was lodged in some debris, but life was extinct and he had evidently been dead some time. He was taken home and buried; and some of the bitterest tears I ever shed were for the dog who had always been my friend. Who can say why he plunged into the creek? Was it with a thought to follow me and save me or was it from a desire to end his own life, thinking I was dead? Many years have passed away and I am old now, and I often sit and think of Hector, my friend.

"LOUISE."

For the Little Ones

THE SNOWDROP.

Were I a snowdrop pale,
How I could rejoice
To slip up through the cold, dark earth
At the Springtide's silver voice,
I should hear it through the prising sods
above,
Faint though it would be,
O'er all sounds in the world, a distant call
From over land and sea.

How I should rear my head
From out my sheath of green,
At the first breath of the cool, crisp air,
I'd soon forget I'd been
A prisoner below the green earth floor,
A prisoner longing for the glad release
For ten long months, and more.

How I should pine to see again
All living, loving things;
To look up through a world of trees and twigs,
To hear the rush of wings;
To see the great, wide sky spread overhead,
Where all was dark before;
To know that half the world was weeping
Tears of joy
To see the snowdrop nodding at the door.

Etta's Easter Lily.

One day last fall Etta's mother brought her an ugly brown thing that looked a good deal like an onion.

"This is yours, dear," said mother. "Mine!" said Etta. "What is it, mama?"

"Plant it, and some day you will know what it is," answered mother.

So Etta found a little old wooden box, into which she put some good rich dirt, and the brown thing.

Mother told her to keep it in the sunshine, and to water it, which she did very carefully. One day a tiny green stalk stuck its head through the dirt. Then Etta was happy, indeed.

"Oh, mama!" she cried, clapping her hands. "It's a little plant! What kind of a plant is it?"

"Wait and see," said mother.

So Etta waited and waited, a long, long time, all through the cold and stormy winter. But at last, when the birds were just beginning to come back, and the sun shone brightly, and the south wind began to whisper that spring was coming, three lovely buds began to grow upon Etta's plant, which was tall and strong by this time.

"Oh, what kind of a flower is it going to be, mama?" she begged.

But mother only said, "Wait a little longer."

At length, and it was on Easter morning, the buds burst into bloom, three beautiful, fragrant, white lillies.

"Oh, they are Easter lillies!" said Etta, and she was very glad.

Then mother told her about what Easter day is for, and how the Easter lily was like her own little self, who could make every body happy by simply being sweet and clean.

"Now, dear," said mother, oh, so gently, "what shall we do with the lily?"

Etta thought about it for a long time, then she remembered poor old grandmother Hunt, who lived about a mile down the road with a big cross man, and who was sick all the time, and had no little girl to make her happy.

So in the afternoon she took it down to Grandmother Hunt. When grandmother saw the beautiful white thing, she almost cried—yes, Etta was sure she saw tears in grandmother's eyes.

"You dear little girl!" cried Grandmother Hunt. "You are as sweet as an Easter lily yourself."

Puzzle Corner

Riddles.

1. Why is the wind blind?
2. What man is born with three hands?
3. Why does a hen give you more corn than she eats?

Beheadings.

4. Behead to mingle, and leave to loan; behead again, and leave the last of anything.
5. Behead an interrogative pronoun, and leave a covering for the head; behead again, and leave a preposition of two letters.

Charades.

6. My first is something in which people ride; my second is called "mightier than the sword;" my third means to make a rent. My whole is a certain kind of laborer.

Answers.

1. He can pick down from the stork.
2. You, dead.
3. Because Pharaoh made a ruler of him.
4. Washington.
5. Esteem.
6. Intricate.

Grange Department.

"For the good of our order, our country, and mankind."

Conducted by Ed. Blair, Cadmus, to whom all correspondence for this department should be addressed. Papers from Kansas Granges are especially solicited.

NATIONAL GRANGE.

Master.....Aaron Jones, South Bend, Ind.
Lecturer.....N. J. Bacheider, Concord, N. H.
Secretary, John Trimble, 514 F St., Washington, D. C.

KANSAS STATE GRANGE.

Master.....E. W. Westgate, Manhattan
Overseer.....J. C. Lovatt, Bucyrus
Lecturer.....Ole Hfner, Olathe
Steward.....R. C. Post, Spring Hill
Assistant Steward.....W. H. Coultis, Richland
Chaplain.....Mrs. M. J. Ramage, Arkansas City
Treasurer.....Wm. Henry, Olathe
Secretary.....Geo. Black, Olathe
Gate Keeper.....G. P. Kyner, Lone Elm
Ceres.....Mrs. M. J. Allison, Lyndon
Pomona.....Mrs. Ida E. Filer, Madison
Flora.....Mrs. L. J. Lovett, Larned
L. A. S.....Mrs. Lola Radcliff, Overbrook

EXECUTIVE COMMITTEE.

Henry Rhoades.....Gardner
J. T. Lincoln.....Olpe
A. P. Reardon.....McLouth

Grange Opportunity.

We believe there is a general awakening among farmers at present as to the necessity of more thorough and compact organization among the agriculturists of the State. This interest is not confined alone to communities in which farmers' organizations of some kind are already located, but it seems to be pretty general over the country. This indicates a revival in the grange. For the grange is the only farm organization that has a State and National head. It is the only one that brings the right kind of influence to bear upon the law making powers of the State and Nation. The farmers are beginning slowly to recognize this fact, and the sooner they begin to realize that they will never accomplish much in the way of correcting any of the evils of the day except through the agency of some organized body, the better it will be. They should know that men must unite for a common purpose who have a community of interest, and who are all alike interested in the accomplishment of a common purpose if they would succeed. The much talked of trusts are simply the combination of commercial interests similar in character and purpose. They simply recognize the strength that comes from combined influence and interest and are ready to use any advantages that are likely to result from such action. The business men of the country are not slow to take advantage, too, of anything that will give them strength, influence or profit. And the result is that there is scarcely a business of any kind in the whole country but is affected by this spirit of organization, combining business interests for the purpose of protection or profit or both. And it seems to us that with the general intelligence now prevalent among the agricultural population they, too, should take advantage of any good that may be likely to come from organized effort. The farmers have just as much need of protecting their own interests as any other class of business men. If there is any possible good to come from bringing themselves together in some form of organization the farmers should have it. And the grange possesses so many strong and commendable features that a thinking man or

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woman who views it in an unprejudiced manner can not help but see it in that light and act accordingly.

This spirit of inquiry referred to above as manifesting itself among the members of the grange wherever seen, and encouraged and fostered in every way possible. We believe the time is near when the more thoughtful farmers of the country shall feel the lack of influence and power when compared with other business men, and look for some place or society through which they can exercise their proper influence both in business and in politics. So let us all enter upon the work of explaining and spreading the gospel of grange truth in such a way as to bring many new recruits to our noble order the present year. This can only be done by concerted action on the part of all, whether officers or members. Do not rely entirely upon the State or county officers to do all the work. While they are generally willing to do all they can in their respective positions yet it is impossible for them to reach all. The county deputy and lecturers may be ever so anxious and ever so willing to reach out and draw in all within their reach, yet there are many localities where greater influence can be exercised by the members of the subordinate grange in bringing in new members than either county or State officers. We have in mind an instance a few years since where the people of that neighborhood seemed ripe for an organization. A meeting was called and a very sensible and eloquent presentation of grange principles was made by a State officer at the meeting but the organization failed. And the reason given by one of the leading spirits was that the speaker did not seem to get a right hold upon the people. He did not understand the situation in that immediate locality correctly, hence he failed. This was no fault of the speaker. Neither did our informant lay the blame upon him, but on the contrary commended his address very highly, but said, had the local organizer with whom the people were all acquainted and who understood the local conditions been there, an organization would have been effected. We mention this for the encouragement of local workers everywhere, as great good can be done by vigilant and industrious effort on the part of all who feel an interest in the growth and prosperity of the grange.—JOHN BEGG, Lecturer O. S. G., in Stockman and Farmer.

Grange Training.

At a recent Pomona Grange meeting in Ohio the principal topic discussed was "How the Grange Prepares Its Members for Public Positions." The lecturer said he wanted a general expression, so began at one part of the hall and called upon all in turn. Many apt illustrations were given. One brother said he had been a member of the Grange for thirty years and had watched its work and influence very carefully, and had it not been for his firm conviction of the usefulness and

helpfulness of the Grange in training and preparing men and women for greater usefulness in the various walks of life—including public office—he should have dropped it long ago. He gave it as his opinion that the Grange presented the best opportunity of which he knew to the young man of the farm who wanted to rise in the world. It was cited that in the Grange embarrassment was overcome—subjects of wide importance were thoroughly investigated, and members thus were taught to weigh all sides, and by practice learned to impart intelligently the impressions made upon them. An example was cited where thirty years ago a class joined the Grange, one of which was a bright young man who was teaching school. Afterwards he entered into business and was fairly successful. He was not much impressed with the Grange—it must be admitted some granges in the early history of Grange work were a little crude—and so he dropped out after a short time. Not long since, this same man was reinstated in the Grange, and some of the members were those that were in his class thirty years ago. In due time the lecture hour arrived and he was called upon for remarks, and the rambling, stumbling manner in which he answered not only surprised the members but called forth from several the expression "I feel sorry for him." Instances were named where the training obtained through the office of secretary had given members nice positions. The Mutual Insurance Association of Ohio was said to be largely started and officered by those who had been trained in the Grange.

A study of the lecturers of the farmers' institutes of Ohio revealed the fact that a large per cent of them were members of the Grange, while prominent positions in county, State, and Nation were held by Patrons. The Grange has not only given its members a practical training for public positions, but it has encouraged men of worth to come to the front and the powers that be are quick to recognize them.—Patron and Cooperator.

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The Ho

Conducted by

AN O

"O aged man, pray,
Now answer me
Which of the gifts
Is the greatest gift

"O aged man, I had
By the divers part
Say which of the gifts
Is the gift of the

"Is it the might of
Whereby I shall not
Where dangers throng
Holding them still

"Is it the strength
Where fore before
To the mountain-top
That glow in the

"Is it the never-fail
Invincible in might
Which armed again
Shall vanquish foe
Or is it the heart,
The heart impassion
Which shall be ble
In perfect love e

The old man smile
Grew whilst on the
The old man signe
Youth's greatest
—Florence Earl

Mayor's CLAR

The mob bec
Turn where the
gleamed, resistan
were surrounded.
"The game's t
leader, "the cade
too much for us
in."

An angry mur
from the mob, an
ley the prisoner
the police, who v
the jail.

And soon Ned
one of the wealt
business men of
of a proud old r
a damp, dark c
await an unknow

And what has
from a pure, nol
to a groveling
rum, the curse of ages
of crime and mis
of truth, purity, h
home.

And there was
with grief, who n
boy from dishon
win popularity a
he had shirked
must bear the pe

As Mayor Car
wife, whom he f
single moment,
and old.
As the first f
entered the sick
rollton opened h
her husband sav
that the light of
clear, liquid dep
"My boy!" she
Ned! they've kil
er! he's dead! I
winsome boy!"
face with her tr
an agony of sc
frame.

"Listen, Mary
"Ned is not dea
the police last n
tle woman, I an
can be done for
leave you last n
quickly."

"Go," she par
him, O Rodger!
felon's death."
"Good bye, the
and Mayor Car
rammed it well
and hurried fro

He sent one c
sit with her dur
could not bear
Mary alone for
half hour later
where his son
in his hands.

"Ned!" The
his feet. "Fa
come?" he said
not leave me al
deserve to suffe
"My son! n
stood in the
reached forth h
ressingly on th
tly as his mothe
slim, white han

Ned sprang b
ror. "Father,
human blood, a
touch. I'm a c
cursed rum ma
my brain, and
best friend. It

The Home Circle.

Conducted by Ruth Cowgill.

AN EASTER SONG.

Arise, my heart, and sing thy Easter song!
To the great anthem of returning bird,
And sweetening bud, and green, ascending
blade.

Long was the winter and the waiting long;
Heart, there were hours, indeed, thou wert
afraid,
So long the spring delayed.

Shut in the winter's alabaster tomb,
So white and still the sleeping summer lay
That dead she seemed:
And none might know how in her magic side
Slept the young spring, and moved, and
smiled, and dreamed.

Behold, she wakes again, and open-eyed,
Gazes, in wonder, round the leafy room.
At the young flowers. Upon this Easter Day
Awaken, too, my heart, open thine eyes,
And from thy seeming death thou, too, arise.

Arise, my heart; yea, go thou forth and sing!
Join thou thy voice to all this music sweet
Of crowding leaf and busy, building wing,
And falling showers;
The murmur soft of little lives new-born,
The armies of the grass, the million feet
Of marching flowers.

How sweetly blows the Resurrection horn
Across the meadows, over the far hills!
In the soul's garden a new sweetness stirs,
And the heart ails,

And in and out the mind flow the soft airs.
Arise, my heart, and sing, this Eastern
morn;
In the year's resurrection do thy part,—
Arise, my heart!

—Richard Le Gallienne, in April "Success."

Easter and Its Observance.

Easter is the most beautiful anniversary that we have to celebrate. It is the one whose early significance has been least concealed and most sweetly exemplified by latter-day observances. The egg is the symbol of life imprisoned, ready to break its bonds and come forth. The lily, whose homey brown bulb has held the germ of the beautiful life which has since come forth, is the symbol of the same thing in a later stage. The butterfly (whose chrysalis should always find a place at Easter time in the home where children are) is a complete manifestation of a resurrection, the caterpillar having laid down its life to take it again, at a later time, in the freer, lovelier form of the butterfly.

This day should never be unnoticed in the home. Its beautiful significance should be taught and illustrated with all of nature's illustrations of its truth. It should be a day of flowers, not only in the church, but at home also. House plants, though one have ever so few, should be watched and tended all through the year in anticipation of this time, so managing that there be at least one bloom for Easter.

A Few Easter Recipes.

Gelatine Eggs.—Make a small hole in the end of each egg, and carefully shake out the contents, which can be used for an omelet, or any other cooking that requires eggs, and then fill with gelatine which has been prepared as for dessert (being very careful to make it rather stiff) and colored. Put in a cool place over night, and by dinner time next day the shells can be cracked and removed, leaving perfectly-shaped eggs of gelatine. This makes a delightful dessert, served with whipped cream, and drop-cakes, upon each one of which has been placed one or several of the small oval candies which look like tiny Easter eggs.

Potato Eggs.—Beat up one egg and mix with cold mashed potatoes. Make into egg-shaped cakes; roll in bread-crumbs, dip into a beaten egg; roll again in crumbs, and cook in a pan of piping hot grease, as for doughnuts.

Pickled Eggs.—Drain the juice from a can of pickled beets, and put into it hard-boiled eggs. Leave over night, when they will be colored a rich red.

Many other novel schemes will suggest themselves in addition to these. Each woman can adapt her ordinary methods to the occasion, thereby filling the hearts of the little ones with delight.

To Amuse the Children on Rainy Days.

To be compelled to stay in the house either because the weather is unfit or because one has a bad cold, is, in the child's eyes, a great and unjust affliction; and often he shows his sense of outrage by a restlessness and a propensity for mischief, which, were he not one's own dearly-beloved child, would seem little short of malicious. The treatment for a mischievous child is not, according to authorities on child-training, the constant prohibition. "Don't, don't," but the substitution of harmless amusements for the troublesome ones. Keep the little fingers and minds occupied, and they will keep out of mischief.

Here are a few suggestions, the result of an experience that has proven them, not unfalling, but beneficial. The object is to teach the children to amuse

themselves, while mother works about the room. They are simple devices, inexpensive and easily prepared.

A scrap-book will fill many happy hours. If nothing else is at hand, an old book may be used, but the most durable and, to the child, most beautiful, book is made of bright-colored paper cambric, cut into a convenient size, and sewed together in the middle. Give the children any discarded picture cards, old magazines and papers. In this day of artistic advertising, it is easy to find attractive pictures, even though few papers come into the home. I have seen some really artistic scrap-books made by very small children, and by directing their attention toward neatness and pleasing arrangement, you train their eyes to good taste, and teach them care and cleanliness. For it is true that it is through the eye that children learn most readily; and the object lessons learned in childhood never quite depart from the brain, even to forgetful old age.

When scrap-books are beginning to grow tiresome, try the children with a puzzle. Home-made puzzles are as good as any. Cut up some old, and preferably brightly colored picture, into many pieces of different sizes and shapes; then set the little ones to putting them together again. Or, if there is an older child at home, get them to read a simple little story, leaving out certain words like this: "John, the _____, went away on the _____. He had a basket, in which he carried _____, _____, and _____. When he reached the town where he was going, he saw _____, _____, and _____, and wondered what a queer place he had come to. After wandering around for a while, he grew hungry, and sat down to eat. When he opened his basket, he found in it _____, _____, and _____. He thought he did not care to eat such things, so he went to a house and asked for _____, which he thought very good indeed," etc. The words omitted, "Cowboy, train, bread," etc., are to be printed plainly upon little slips of paper, which are passed to the children indiscriminately, and read by turns when the reader pauses at the blanks. The wrong word will almost always come at the wrong place, and generally children think this is remarkably funny. This game is for children somewhat older than in the first two amusements.

It is excellent to have a box of sand in the house, where the children play. It should be a long, shallow box, upon legs, or a low table stationary against the wall. With a very little teaching, the little ones will learn to keep the sand always in the box, and it will be found a cheap and effective way to keep them amused and at the same time comparatively clean. They can make houses and cities, and innumerable things, and you will find them soon devising many remarkable new things at the behest of their bright imaginations. It is an excellent thing to have, in connection with the sand-box, a plant or two for each child, for his very own, teaching him to water it, and give it the sunlight, and care for it in general. This is an opportunity to teach him of the growth and nourishment of plants, and many lessons of nature that will be useful to him. There are many odd ways of growing certain plants that will please the children and keep them interested, as sowing seeds in a wet sponge, or in a half of a turnip, or placing a slip of nasturtium or some such plant in a bottle of water. This suggestion as to plants would be more seasonable in the fall, of course, for it is almost time, now, for the little out-door gardens. But to allow them to plant little beds of pansies or pinks in small



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boxes, to be transplanted later into the garden, will be a pleasure to them that will well repay the little time spent in showing them how.

I remember an amusement which was the joy of my childish life. This was to obtain some putty—I am sure I do not know where from—and, working it into fine shape, make it into boys, and beasts, and divers queer-looking creatures—a very absorbing pastime, albeit rather a trying one for white aprons and clean hands.

Doubtless many variations of these simple devices will suggest themselves to the minds of mothers. The main point is to apply the principle that two things can not occupy little minds at the same time, and to provide the thing which is harmless as well as interesting; in some way educational as well as amusing.

Club Department.

A Suggestion.

We have an enthusiastic report this week from the club in Darlington township. Widely though the different clubs vary in work and in numbers, there is this one particular in which they all agree without exception, i. e., the enthusiasm of the members! The women who have written to us all unite in saying that country clubs are a source of great benefit to their members, cheering them on their way, opening up wider horizons to their mental and spiritual eyes, and enriching their daily lives in countless ways unforeseen.

We have a suggestion to make which is also a request. Whenever in your club meetings you hear a paper which seems to you too good to be confined to the hearing of the small number of the club (which will happen many times, and doubtless has happened before), send the paper to us, and we will publish it in our Club Department, thereby giving the benefit of its teachings to many lonely women who have not the advantage of the interchange of ideas which you have in your frequent meetings, as well as to other clubs who many times will find much of helpfulness in thus hearing from sister clubs far distant. The manuscript will be returned un hurt, if accompanied by postage, and, if so requested, a typewritten copy will be sent with it.

Will you not do this for us, and for each other? We leave it to your discretion, hoping to learn of its being acted upon, by the receipt of some excellent paper.

The Organization of a Country Club.

Now is the time of year to organize country clubs, just before the busy time of house cleaning and the beginning of gardening and other spring work. Let two or three ladies (or only one lady if she be so minded) resolve to infuse a little life in the neighborhood and organize a club where the busy, weary farmer's wife may have rest and recreation for two or three hours twice a month—which will be far less time spent away from home duties than is spent by the husband away from his farm.

After having talked the matter over among themselves, as to what ladies in the neighborhood would be eligible and desirable, and as to which one of them would entertain the ladies, what day would be suitable, and any other preliminaries that might suggest themselves, let them send notes of invitation to these ladies requesting their presence at the home selected at a

designated hour and day, say at 2 p. m., Thursday, April 16, for the purpose of talking of the advisability of organizing a woman's club, signed by the ladies sending the invitation.

On the day appointed most if not all the ladies will come, the novelty of the thing will bring some, while very many women have read much of woman's clubs and are anxious and willing to join one and are glad of the opportunity.

After the guests have assembled and exchanged the usual greetings of friends and neighbors who have not seen each other for some time, the hostess or other member of the receiving party who is the best talker will call attention of the ladies to the object of the meeting and will clearly set forth the benefits and pleasures to be derived from the club. When she has finished, let her call for other ladies to talk in an informal way as to what they think of joining a club. When all have expressed themselves that will, call on each one of the others, then have a paper and pencil ready, let one of the number use it and all the ladies who will consent to become members of the new club, sign it.

When all have signed it who will, the lady who has assumed the chairmanship of the meeting calls attention to the fact that there must be some officers elected, and the ladies proceed to elect president, vice-president, secretary, and treasurer; after which they may discuss a suitable name for their club, and if they choose, vote upon it or leave it over to be decided at the next meeting. Then the matter of the time of meeting should be decided, the day of the week, whether twice a month or every three weeks, the new president putting the question to vote. Two committees should be provided, one on programs and the other on constitution; they may be elected by the club or the club may vote that the president appoint the committee; in either case, both committees are necessary. The first lady chosen on a committee is the chairman of that committee, calls its meetings and reads the reports of same.

The committee on program must prepare a program for the next meeting which must be read before the meeting adjourns; also a place for the next meeting must be chosen, usually some lady offers her home which is accepted by vote.

At this juncture the hostess serves light refreshments of never more than three articles, say sandwiches, cake, and coffee; after which the club adjourns to meet again in two weeks.

We wish to add this to the lunch question: Most city clubs do not have lunch except at the opening and closing meetings of their club year, most of the members preferring not to have lunch. This, of course, is optional with any club, but for country women who sometimes have from four to six miles to ride to the club and as far to return, and after having hurried with their work to get ready have usually eaten but a scant dinner, to all such a luncheon is very refreshing. It has been my experience that luncheon served in country clubs is always best and acceptable but a ruling must be made that not more than three articles are to be served so as not to have any spirit of rivalry as to a big spread to detract from the real object of the club, namely, mental improvement, and social enjoyment.

IDA M. TERRIE.

The Ladies Reading Club of Darlington Township.

Our country club was organized November 20, 1902, and was named "The Ladies Reading Club of Darlington

Township." It was understood that ladies from other townships would be cordially welcomed and we have one member who lives in the adjoining county. Our club numbers eight members and a more enthusiastic, harmonious little circle would be hard to find. As to our programs, at first we copied some from the "Bay View Reading Circle" course. Later, we made a change, allowing the members to select any topic they wished for a paper or for discussion. At our first meeting the subjects were principally on the New England States. As it was near Thanksgiving so many interesting things were told about the celebration of that day in earlier times. These are some of the topics discussed: "Resources of South Africa," "The Big Trees of California," "Current Events," "Household Economies." Every three months, we hope to give a banquet, to which are to be invited the husbands, brothers, and sweethearts. Our object is to uplift and enrich our lives. The club work broadens our views, deepens our sympathies and makes us more helpful. One woman remarked, "Oh, I hope that I will become so interested in this work that I will forget the little annoyances of life." The club meetings are very restful as they are a complete change from the routine of the daily life on a farm.

The Club Department in KANSAS FARMER will be an inspiration to us. Many of the articles contained in it will be read before the club which meets once in two weeks.

Mrs. F. C. KESSLER.

Harvey County.

Easter renews hope, it strengthens faith, quickens charity. It comforts bereavement, reproaches doubt and stimulates consecration. It is an unanswered argument for Christianity. It is the blossom of the Christian year.—Elizabeth Stuart Phelps.

Horticulture.

Preparing for a Big Crop of Apples.

HON. EDWIN TAYLOR, BEFORE MISSOURI VALLEY HORTICULTURAL SOCIETY.

There is a man over in Kansas who writes beautifully for the agricultural papers. His articles are elegant pieces of word-carpentry, and the accounts he gives of his doings, his thrift, his short-cuts in work, and his notable achievements as a farmer have a tendency to raise the price of land wherever they are read, or whenever a city man gets under the spell of one of those articles and smells the lilacs and tastes the bliss, and has "success with flowers" and everything else he grows in in his mind, he just rushes off to a real estate agent and the real estate man does the rest. In order that you may not guess from anything I say whom I have in mind, I will call this gentleman's name Arthur Intertaken. This last fall one of Mr. Intertaken's neighbors took dinner with me. "Let me see," I said to my visitor, "you live in Arthur Intertaken's county, don't you?"

"Yes," said my friend, "I know Intertaken quite well. I live in the city of So-and-So, and he lives on his farm about seven miles out of town."

"Ever been on his place?" I inquired.

"Oh, yes," said the gentleman.

"Well," I said, "I suppose Intertaken's farming is just simply great."

"Oh, it's fair," said my caller, "but Intertaken's farming isn't near as great to look at as it is to read about in the articles that Intertaken writes."

Did you never notice that a good many of us farmers belong to that same family of writers? I am the only one of the clan present that I recognize, but there are a good many of us on both sides of the State line. On paper, our crops, our animals, our methods and our profits are hard to beat, but on land our operations fail to dazzle.

It is not always true, but it is sometimes true, that what an agriculturist publishes is in inverse ratio to what he accomplishes. There is an orchardist in this city who has packed a hundred car-loads of apples off his own trees in a single season, and I have never yet seen his name in print about it, not to speak of his undertaking to tell a large and intelligent audience how he manages it. There is Brother Bayless, for instance, who spent some four thousand dollars spraying his orchard year before last, and then sold the resulting crop of apples on the trees for \$25,000; but who ever saw him in the papers?

But it is different with me. Not having had any apples to speak of for a considerable length of time, the com-

mittee has done well to assign me the important subject of the "Proper Preparation for Another Glorious Apple Campaign." If I am a little short on apples, I am long on lead pencils, not too soft, and if allowed plenty of paper and permitted to use the loud pedal on my imagination, I can give advice on orchard in the "spring time, gentle Annie," to beat the band. At the same time, I should like to know, between ourselves, on the—not on the "square" but on the sign of our order, the Horticultural Fraternity, let it be the berry-box, the step-ladder, or the apple barrel—I should like to know, I say, just what would be the best treatment this spring for your orchards and mine. If I were writing for the press, now, it would be different; I wouldn't own up to a thing. I would say to one inquirer "go," and to another "come," and to another "do this," and he would do it—once. When an agricultural writer hesitates he's lost. He should always be ready with a good, mouth-filling discourse, and the hazier he may be about his prescriptions the stronger he should come out in his explanations. But among friends, I'll confess that I am often at a loss to know what is best to do, not only in my orcharding, but in two or three matters outside of it. I suspect candor would compel you to own that many of you have had these symptoms yourselves.

Some of my trees, for instance, are old and large, with the limbs so long and hanging so close to the ground that there is no going about the trees with horses, and there is danger of making a Venetian blind—or any other man—if he should attempt to go in under those limbs to pick or to pick up. The rows of trees don't quite touch yet—there is quite a space between them—and I studied long before deciding whether to cut out those lower limbs and plow the orchard or not.

Up in York State they are famous for apples, and my native State of Michigan also does its share in breaking the apple market every now and then. Well, they don't allow limbs on the ground in that country, but on the contrary trim their trees up so that they can work right up to the trunks. So far, I haven't done more with those lower limbs than to restrain myself when I went in to make the situation more to my liking—I compromised on cutting out some of the lowest and the thickest.

I also plowed the open spaces between the rows and got around between the trees as well as possible. This was a year ago. When spring came on the orchard was faithfully cultivated till along about the first of June, when the cares of the world and the deceitfulness of potatoes caused me to neglect the orchard culture. The weeds and grass came on astonishingly. Without knowing it, I had the mulch crop that some orchardists make so much account of in the horticultural journals. Had this crop been cut with a mowing machine the first of September I might have been better off. I might not. I think the professional agricultural writers always cut their mulch crops—on paper. If I had plowed the ground again last fall and turned the weeds and grass under, I should at least be in less hazard from fire. The orchard is partially plowed, but only in part. The freezing weather last fall caught me unprepared for it. A certain class of people are ready—belong to what Mr. Gough used to call the three-handed family; two hands like yours and a little behind hand. Supposing I plow again in the spring? And if I plow shall I sow clover? Suppose I do sow clover, what shall I do with it? Make hay to be hauled off, cut it and use it for mulch about the trees, or should it be cut and left to lie on the ground? Heretofore I have felt constrained to make hay of the orchard clover and put the same in the barn. The next clover cut in the orchard will be left where it falls.

If one were going to sow an orchard in clover this spring he would find the seed would cost him right around \$2 per acre. Under such circumstances it is imperative to get a stand. Suppose the ground were fall-plowed, how would the latter part of March do for sowing? Should the clover seed be harrowed in, merely, or should it also be rolled in?

Suppose one had large trees, and the tops were congested with brush, should there be any surgery? A year ago at this time I had half a dozen men amputating water-sprouts and other unnecessary wood. The books say every large stump of a limb should be painted, but trimming can be done without painting the stumps. I found it cost about 7 cents a tree to do this work as we did it. The brush-hauling was an important job, but by mak-

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ing a sled for hauling it with, much of the labor was saved. After all, the brush-hauling cost fully 2 cents a tree.

There were no apples to speak of in that orchard last year and I have often wondered whether I was justified in that trimming. Possibly the future has a reward for it in store. Why there were no apples is a puzzle to me. There was bloom enough to make all kinds of a crop and the trees were sprayed until the little apples were so nearly all dropped off that it became apparent that if there was going to be anything saved out of that crop it would have to be the blue-vitriol.

I don't think the committee intended me to discuss spraying and I won't. But, perhaps, I may be allowed to remark that it is a thousand pities that it is so laborious and tedious a job. It is like cutting alfalfa; you are no sooner done with it once than you have to do it again.

Over in Kansas they are telling this story of Professor Cottrell, who was the life of our Agricultural College while he was with it. Cottrell was an enthusiast on the subject of alfalfa. He was also a great farmers' institute man. Wherever he went he preached his alfalfa crusade like another Peter the Hermit, and the farmers caught fire from him just as the peasants did from Peter. It was in the fifth year of Cottrell's rounds as an institute spell-binder that he was invited to make his home during the institute he was holding at a certain town at the home of a prominent farmer. History doesn't relate how it came about that he went to the house unattended, but he did and presented his card to good-wife when she came to the door. "I've a notion not to let you in," she said. "You are the very man that talked my husband into sowing forty acres of alfalfa once, and he has been haying ever since!"

Spraying is just as insistent while it lasts as haying, and it is a lot bluer and meaner job.

It is a fair criticism on most agricultural writing, both in papers and in books, that it is lacking in details. The principles involved, or supposed to be involved, in farm processes are too often dwelt upon with iteration while the methods get but scant notice. The adjustment of his different tools is far more important to the corn-grower than either the chemistry of the soil or

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 We Pay the Freight. Illustrated Catalog, or English free. German Nurseries, Carl Sonderegger, Prop., Box 9, Beutrich, Neb.

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 An old and Well-Tried Remedy. Mrs. Winslow's Soothing Syrup has been used for over Sixty Years by Millions of Mothers for their Children while Teething, with Perfect Success. It soothes the Child, softens the Gums, allays all Pain; cures Wind Colic, and is the best remedy for Diarrhoea. Sold by druggists in every part of the world. Be sure and ask for Mrs. Winslow's Soothing Syrup and take no other kind.
 Twenty-five Cents a Bottle.

Have You Tried Pencillaria?

The wonderful fodder plant. Yields three to seven crops each season from one planting and has produced 95 tons per acre in a carefully weighed test. Highly nutritious and relished by cattle, horses and hogs; does well in all parts of the United States. Seeds are small so that one pound will plant an acre; **Grows 12 Feet High.** Price per lb. 75c; 1/2 lb. 50c. Sample free if you mention this paper. Ask for our large illustrated catalogue of farm and garden seeds.

IOWA SEED COMPANY, Des Moines, Iowa.

the botany of the plant. And in spraying, exactly how to do it is a puzzle—a puzzle as well to those who direct it. I will instance one particular: I have never seen it hinted in print that the spray wagon should not go to the supply tank but that, instead, the supply tank should go to the spray wagon. The effectiveness of an outfit is increased 10 per cent to 25 per cent, sometimes even more by this simple observance.

During the War of the Rebellion, which most of you are too young to recollect, we used to say of news which was too good to be true, that it came by "grape-vine telegraph." And when I have heard Brother Johnston enlarge upon his dust-spray process, I have wondered whether it is also a grape-vine proposition or whether it is the coming method of putting pizen on the pervasive and promiscuous and pollymorphous bug. I have used the dust spray myself and it is likely I shall use it more, for when I did use it once we had good apples, mainly running No. 1. It is easy to find an illustration supporting the truth of nearly any theory of farm procedure which may be advanced, and yet the truth be told. If I should stop here in my account of dust spray my story would be accepted as good evidence of its effectiveness. But now I'll tell the whole truth. That dust spray was applied to a Jonathan orchard in the first year of bearing, and a Jonathan tree, well attended on good ground, for its first crop will make choice fruit whether you spray it with liquid or dust, or bone over your shoulder. I don't say bone over your shoulder. I don't say dust spray won't do good under any circumstances on vigorous young trees, but I feel most sure of it.

I think it was the year I was 5 years old that my father planted an orchard, and in about five years thereafter every spring found me painting those trees from the ground to high up in the branches with lye. I got too much of it in my eyes to forget about it. It was the only orchard in the neighborhood that was so treated and the trunks of those trees had a glossy appearance that other orchard trees did not have. I wonder if the trees were better for this treatment, and I wonder if they would have got it if there hadn't been a small boy available. I wonder if it paid. I wonder if it would pay now—on your orchards and mine. We often see tree washes spoken of in print. Sometimes they are advertised for sale, but I don't know of any live orchardist who has any considerable number of trees, who uses any wash or paint for his trees. For a long time I carried a printed formula of a tree wash warranted to do great things for apple trees. The author lives near Leocompton. I wrote him for particulars and sent a stamp. The stamp didn't come back.

Jim Bennett used to maintain that there were two ways to feed hogs that paid: One was to feed nothing, then whatever gain the pig made or what he stole was all profit; the other way was to feed all the hogs would eat, then there would be some gain. I am not sure that there isn't a sort of parallel between hogs and trees.

I close my advice to the young orchardist with the strong injunction to either attend well and carefully to his trees, giving them what old man Gaines used to call "the justice work," or else save his labor and let them alone. If the latter policy is pursued, it suggests an important step as a precursor to his orcharding—viz: his signing the pledge to abstain from orchards entirely.

A PACKING-HOUSE MERGER.

(Continued from page 377.)

about by the purchase of the Omaha Packing Company, Omaha; the Hammond Packing Company, St. Joseph; the G. H. Hammond Company, Chicago; the Hutchinson Packing Company, Hutchinson, Kans.; the Anglo-American Provision Company, Chicago; the United Dressed Beef Company, New York; and the Fowler Packing Company, Kansas City. These concerns were some time ago purchased by J. Ogden Armour, G. F. Swift, and Edward Morris. A New Jersey charter was obtained for the National Packing Company. Deeds to the seven properties above named were made by Armour, Swift, and Morris.

These independent concerns now come under control of the great packing magnates. Legal complications with Uncle Sam seem to have been avoided, and there is no apparent reason why the packers have not made themselves secure in the merger.

Does any one expect an advance in the price of animals on the hoof or a

decline in the price of meat to the consumer on account of this master stroke by the packers?

DRESSED BEEF DEMONSTRATION AT THE KANSAS STATE AGRICULTURAL COLLEGE.

For a number of weeks past the department of Animal Husbandry at the State Agricultural College has been conducting a series of judging schools the real value of which to the future stock-breeding interests of the State can not be estimated at this time. Under the efficient management of Prof. D. H. Otis with the aid of the capable men employed as lecturers and instructors, these judging schools have grown in value and interest. They were fully appreciated by the students; and our only regret is that a still larger number of Kansas farmers both young and old could not have participated in them personally. The last judging school of the series was that for the dressed beef demonstration.

On March 24, 1903, the chilled carcasses of a 37-months-old fat steer, a 26-months-old butchers prime steer, and a baby beef, a veal, and a canner were cut up before the class in stock judging. The object of this test was to show the relative amounts of lean and fat meat with animals of different ages and conditions.

The 36-months-old steer, Donald, which was a prize winner at the Chicago International, showed a very heavy layer of fat on loin and rib. This makes the animal look very fine and smooth when alive, but there was great waste to the various cuts of meat because of this excess of fat.

The 24-months-old steer, John, showed nearly as much lean as the fat steer, but did not have as much waste in the form of excessive fat.

The baby beef, a grade Shorthorn, showed very little waste in the way of excess fat.

The canner was used to show the frame work, and the veal calf to show the difference in the color of the bone in animals of various ages.

On the day following the demonstration, the domestic science department gave a cooking test of similar cuts of the different animals. Invited guests were asked to pass judgment on the quality of fiber, flavor and relative rank of the various pieces of meat. A summary of the ranks showed that the guests preferred the lean meat of the fat steer for the steak and broiling piece, and the baby beef for the boiling piece.

The complete results of the dressed and cooking tests will soon be published in bulletin form.

SORGHUM POISONING.

The Nebraska Experiment Station has published a most valuable bulletin dealing with investigations made by the veterinarian and the chemist of that station on "Poisoning of Cattle by Common Sorghum and Kafir-corn." The experiments are stated to be incomplete, but the information developed is so important that the publication of the preliminary bulletin is fully justified.

The investigations point clearly to prussic acid as the poison that kills the cattle. This is usually not elaborated but under some conditions the prussic acid is liberated from its combination and the well-known results follow.

Conditions of growth in which sorghum and Kafir-corn are dangerous are suggested as follows:

1. Young plants.
2. Second growth.
3. Frosted plants.
4. Stunted plants.

In discussing these points the writer of the bulletin admits that sufficient data have not been secured to enable him to give a final opinion on all of them. He says, however:

"Young plants of vigorous growth contain a higher per cent of prussic acid than the bright, green leaves of plants reaching maturity. As the stalks and seeds contain no prussic acid, its young plants contain a much greater per cent of acid than the mature plants considered as a whole.

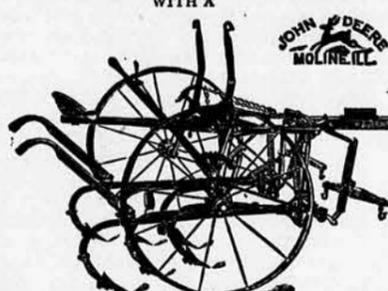
"Second growth is not more deadly than first growth, although, as falls in the West are often bright and dry, conditions may be favorable for the elaboration of excessive amounts of poison during the second growth.

"Frost is without influence except as a forerunner of a period of bright, dry weather.

"Growth arrested by dry weather before the plant begins to mature presents a condition very favorable for the elaboration of the poison. Growth stunted by too much water, sterile soil,

Ride or Walk?

You Can Do Either
WITH A



**JOHN DEERE
MOLINE ILL.**

New Elk Combined Riding and Walking Cultivator

with balance frame. Only cultivator made that is equally satisfactory as Rider or Walker. Cut shows one of a dozen styles of rigs. Find out about it now before the cultivating season. Ask your dealer about it.

Send 6 cents for a souvenir and a years subscription to The Furrow, a finely illustrated Farm quarterly.

Deere & Co., Moline, Ills.

shade of trees, or hardness of the ground does not result in the formation of dangerous qualities of poison."

The investigations from which the information given in the bulletin was derived were made by Dr. A. T. Peters, H. B. Slade, and Samuel Avery. The appearance of the next bulletin giving the results of further studies will be awaited with interest.

Reports of the merging of the Rock Island, the Santa Fe, and the Frisco railroads are persistently made from New York and are in a semi-official way confirmed in Topeka. The consolidated system will be the largest in the world, embracing 21,000 miles of railroad.

KANSAS FARMERS' NEW WALL ATLAS.

The KANSAS FARMER has arranged with the leading publisher of maps and atlases to prepare especially for us a New Wall Atlas, showing colored reference maps of Kansas, Oklahoma Indian Territory, the United States, and the world, with the census of 1900. The size of the New Wall Atlas is 22 by 28 inches and it is decorated on the outer cover with a handsome design composed of the flags of all nations.

Tables showing products of the United States and the world, with their values, the growth of our country for the last three decades, and a complete map of the greater United States are given. This is an excellent educational work and should be in every home. The retail price of this New Wall Atlas is \$1.

Every one of our old subscribers who will send us \$1 for two new trial subscriptions for one year will receive as a present a copy of this splendid New Wall Atlas, postpaid, free.

Any one not now a subscriber who will send us 50 cents at once will receive the KANSAS FARMER for five months and will be given a copy of our New Wall Atlas free and postpaid.

Business Opportunities for All.

Locations in Iowa, Illinois, Minnesota, and Missouri on the Chicago Great Western Railway; the very best agricultural section of the United States where farmers are prosperous and business men successful. We have a demand for competent men with the necessary capital for all branches of business. Some special opportunities for creamerymen and millers. Good locations for general merchandise, hardware, harness, hotels, banks, and stock-buyers. Correspondence solicited. Write for maps and sample leaflets. W. J. Reed, Industrial Agent, 604 Endicott Building, St. Paul, Minn.

\$2.50 Value for Only \$1.00.

The Western Swine Breeder's Journal, of Lincoln, Neb., is a very valuable publication for Western swine raisers. The price is 50 cents a year. The Kansas Farmer is \$1.00 a year. For a limited time we make this great offer: To any of our subscribers who will send us two new subscribers for one year and enclose a dollar bill, we will make them a present of the Western Swine Breeder's Journal one year free, thus giving \$2.50 in value for only \$1.00. Address Kansas Farmer, Topeka, Kans.

The Book of Corn.

A complete treatise on the culture, marketing and uses of maize in America and elsewhere, for farmers, dealers, manufacturers, and others—a comprehensive manual on the production, sale, use, and commerce of the world's greatest cereal; prepared under the direction of Herbert Myrick, by the most capable specialists in America and Europe. King Corn is to have still larger prosperity in the future. This is true not only of the grain, but of the whole plant. Maize is the most important cereal grown, yet in spite of the over-shadowing importance of this crop, practically no book worthy of the subject exists. Recent improvements in all methods pertaining to raising, harvesting, and utilizing corn certainly warrant a book that shall be the standard authority on this subject at home and abroad for years to come. The Book of Corn supplies this want. The writers are practical, scientific, and commercial experts—each the master of his subject from every standpoint, making this work of indispensable utility to every one interested in this crop. While authoritative both as a practical manual and scientific treatise, The Book of Corn is strong and accurate on the commercial or business aspects of this great industry. A system of blanks by which growers can keep an accurate account of every item of expense in raising, harvesting, and selling corn is an additional feature that makes this book constantly used and referred to by corn-growers everywhere. Richly illustrated, 3 by 7 inches, about 50 pages. Cloth. Price, postpaid, \$1.50. Orange Judd Company, New York.

It is extremely important at this season of the year to select good seeds and made a good choice of varieties, especially of small fruits and garden seeds. At this season it becomes doubly important to know where one may find seeds that are satisfactory. Our answer to this always is, consult the advertising pages of the Kansas Farmer. You will there surely find what you want, but if you should not you will find those who can tell you where to go. We have just received a handsomely illustrated catalogue from H. W. Buckbee, Rockford, Ill., which is a good thing to have in the house as it not only contains a complete list of garden seeds, corn, and the small grains, flowers in immense varieties, small fruits, cuttings, farm, garden, and orchard tools, but in fact everything that is needed by a farmer who would enjoy the good things of life. A postal card will bring this catalogue with a big red-cored water melon on the back.

CANCER ON THE ARM CURED BY THE COMBINATION OILS.

Emporia, Kans., October 18, 1901.
Dr. D. M. Bye Company, Indianapolis, Ind.

Dear Doctors:—Believing you would be glad to know of the recovery of your patients, I am pleased to tell you the cancer on my arm is well. It is wonderful, this rapid recovery. I do not believe things happen, but that the Lord rules in all things, and that He led me to try your wonderful cure. May the dear Father bless you in your work of healing is the earnest prayer of your grateful patient,

Mrs. A. J. Wooster.

The Combination Oil Cure was originated and perfected by Dr. D. M. Bye. He has cured many very bad cases without pain or disfigurement. Those who would like to know more about it, or who desire free books and papers, should write to the HOME OFFICE of the Originator, Dr. D. M. Bye Company, Drawer 505, Indianapolis, Ind.

PILES NO MONEY TILL CURED. 25 YEARS ESTABLISHED.

We send FREE and postpaid a 200 page treatise on Piles, Fistula and Diseases of the Rectum; also 100 page illus. treatise on Diseases of Women. Of the thousands cured by our mild method, none paid a cent till cured—we furnish their names on application.

DR. THORNTON & MINOR, 207 Oak St., Kansas City, Mo.

PUBLISHERS' PARAGRAPHS.

J. B. Armstrong & Sons, Shenandoah, Iowa, report a season of lively trade in seed-corn. Give them an early order.

Ross & Ferrell, Farragut, Iowa, are shipping corn shelled or in the ear, just as their customers like it. See their new advertisement.

The rich Tuscan Red Mineral Paint, mixed in Colorado and shipped with all charges paid and safe delivery guaranteed by the Building Material and Paint Company, Railroad Building, Denver, Col., is handy, in that it requires no oil, only water, to prepare it for use; is economical because of its low price and great spreading quality, and is also one of the best preservative paints for indoor or outdoor work that can be had at any price. The advertisement of this paint appears elsewhere in this issue, and will repay perusal by all of our readers.

If a mowing-machine never broke until it was all worn out, there would not be the large number sold annually that there is at present. Farmers could save expense for themselves and cut down their number if they would take proper care of their machines, keeping the fast-running parts properly oiled, the nuts tight, and the various parts in proper adjustment. In buying a new mower, it is well to notice what provision has been made for taking up wear and lost motion and preventing pounding, thus preventing untimely breakage and the early laying aside of the machine. The Champion Draw Cut Mower will repay an examination with this point in mind.

We recommend our readers to procure without delay the new illustrated catalogue of F. S. Burch & Co. Their popular remedies are as widely known as they are appreciated. A new feature of this house this year is their list of premiums to their customers, even so small an order as \$5 carrying some free gift, while on larger orders, shearing machines, dipping tanks, and other useful and desirable articles may be obtained absolutely free or at greatly reduced prices according to the value of the order. This spirit of dividing profits with patrons is at once generous and wise. It will be much appreciated by present customers of this house, and we predict will bring them a large additional patronage.

A great nursery town is Fairbury, Neb. Nature has done much for that region in soil and climate and nurserymen have merely to avail themselves of conditions and employ right methods to produce stock the equal of what can be grown anywhere at surprisingly low prices. The Fairbury Nurseries is one of the institutions that has taken firm root there. They grow superb stacks of apples, peaches, grapes, small fruits, etc., almost everything in the nursery line. As a sample of their prevailing prices, readers are referred to their advertisement elsewhere showing the worth of a dollar with them. The catalogue to meet the diverse needs of their customers is printed in both English and German, and is mailed free for the asking.

It requires a business eye to see an opportunity when it presents itself. The ability to see things as they are is the one thing which agriculturists should possess if they mean to make a success out of whatever they undertake to do. It is the power of discernment that enables them to keep up interest in their work, and it is an enthusiastic interest in what one is doing that gives life its zest and enables one to do his best. In the purchase of a binder, for example, a good business eye is needed. There are many details in the construction of the machine that should be carefully examined; and where this is done the farmer in the great majority of instances buys the McCormick, because it is preeminently the machine for the man with an eye for business.

On page 393 of this issue will be noticed the advertisement of the New Century Compressed Air Sprayer which is deserving of special attention. This sprayer is fitted with an automatic mixer which keeps the sprayer solution thoroughly mixed so that the orchard trees are covered with a uniform deposit of the poison. And it is so constructed that a pump compresses air into a steel cylinder to such a degree that one pumping is sufficient to empty the tank. It will throw a solid stream from forty to fifty feet and will throw a fine or coarse spray as far as fifteen feet. A few strokes of the pump before starting into the orchard are all that is necessary. After reaching the orchards all you have to do is to direct the nozzle and the sprayer does the rest.

About the handsomest little catalogue that has come to our desk lately is the one issued by the Great Northern Seed Company, Rockford, Ill. One of the attractive features about it is the outside cover which shows pictures of three new nasturtiums with an offer of \$100 cash to the customer who will name them satisfactorily. We do not now remember to have looked through a catalogue which is so comprehensive in its offering of flowers, grasses, vegetables, corn, melons, etc. Another specially attractive feature of this catalogue is the very moderate prices which have been fixed upon everything offered, but more attractive than all, perhaps, is the absolute reliability of the firm issuing it. It will pay you to get this new catalogue and give them a trial order.

A safe place to buy all kinds of nursery stock is the Galbraith Nurseries, Fairbury, Neb. They are located on a specially favored spot for the nursery business and they make it a point always to deal generously and honestly with their customers. This course has built up a very satisfactory trade. They call our attention to the fact that they have a finer and larger stock for this spring's delivery than ever before, and were never

SWOLLEN FINGERS

AND PAINFUL JOINTS CAUSED BY RHEUMATISM.

A Severe Case at Candia, N. H., Cured by Dr. Williams' Pink Pills for Pale People.

"A few years ago," says Mrs. F. D. Rowe, of Candia, N. H., "when I had been suffering the agonies of rheumatism for two years, I found relief in Dr. Williams' Pink Pills for Pale People. Before I tried this remedy my fingers were swollen and all my joints pained me terribly. The disease affected my stomach so that I became troubled with indigestion and constipation, my nervous system became unstrung and I found myself melancholy and morose and in a generally miserable condition. And all the time I was in pain from the rheumatism.

"An account in the papers of a person cured of troubles like mine by Dr. Williams' Pink Pills led me to try them, and before the first box was all taken the pain and soreness seemed better. A few boxes more drove the rheumatism away, and now I feel well. My husband also took this medicine for rheumatism with gratifying results."

The real cause of rheumatism is the presence of acid in the blood, which irritates the sensitive tissues that unite the joints and cover the muscles, thus causing those indescribable tortures which rheumatic sufferers endure. Dr. Williams' Pink Pills for Pale People go directly to the seat of the trouble, purifying and enriching the blood by eliminating poisonous elements and renewing health-giving forces, thus making a potent remedy for curing this disease.

Dr. Williams' Pink Pills are a positive specific not only for rheumatism, but for such diseases as locomotor ataxia, partial paralysis, St. Vitus' dance, sciatica, neuralgia, nervous headache, the after-effects of the grip, of fevers and other acute diseases, palpitation of the heart, pale and sallow complexions and all forms of weakness either in male or female. Dr. Williams' Pink Pills for Pale People are sold by all dealers, or will be sent postpaid on receipt of price, fifty cents a box; six boxes for two dollars and fifty cents, (they are never sold in bulk or by the hundred) by Dr. Williams' Medicine Co., Schenectady, N. Y. Be sure to get the genuine; substitutes never cured anybody.

quite so well equipped for making quick shipments. They make an especially fine showing of apple-trees of all sizes and varieties at prices that are certainly most reasonable, considering the quality of stock. Then there are peaches, pears, plums, cherries, grapes, mulberry trees, ash, catalpa, locust and other forest and ornamental trees in great variety. The Galbraith trees are noted for being free from all tree disease, clean, well-rooted, and in condition to enter upon vigorous growth when transplanted. They also make a specialty of right packing, digging fresh from the ground and boxing immediately, not in the sun, but in their

large packing warehouse for the purpose, and ship with greatest promptitude. This enables them to guarantee arrival in prime condition. They pay freight on all orders of \$10 or over anywhere east of the Rocky Mountains, and on \$20 orders anywhere in the United States. Catalogue mailed free for the asking.

We invite the attention of our readers to the accompanying illustration of the Louden Hay Sling. There is no question but that slings are the coming hay unloaders. They are as far ahead of the horse-fork as the horse-fork is ahead of the old hand pitch-fork. Farmers who

LOUDEN HAY-SLING



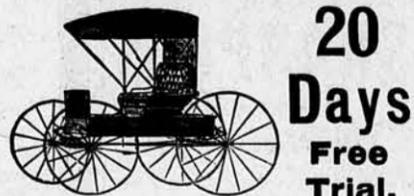
IT CLEANS THE RACK.

seek to economize in time, and also to do away with much of the hard labor of hay time, would do well to drop a card to the Louden Machinery Co., Fairfield, Iowa, and ask for their catalogue. This firm makes a specialty of haying tools of all descriptions. Also a complete line of barn door hangers and barn hardware specialties. Their slings and field stacker outfits are extensively used in Kansas and other Western States and are said to be very successful.



This elegant buggy, No. 195 Hummer, either end springs or side springs same price, wheels select hickory, 3/4, 7/8, or 1 inch tires, wheels 32-42 or 40-44, very fine quarter leather top, heavy roof and back curtains, solid leather trimmings, long distance axle, wide or narrow track, wide track is 5 feet 1 inch and narrow track is 4 feet 8 inches, finest painting, 10 coats of paint on the body and 5 on the gear, brewster green or carmine; side curtains, storm apron, carpet, all complete with each buggy, price only \$42 on terms of \$10 cash with order, balance payable \$4 a month no interest, or if the customer prefers purchasing for spot cash and does not wish any credit, we will then allow a cash discount of \$2 and will furnish this elegant buggy for \$40 spot cash. This includes shafts, pole, no shafts, \$1.25 extra, pole and shafts both \$3 extra, fully warranted for three years. The Century buggies are the only buggies in the market that are warranted for three years. The freight on a buggy from our factory to any point in Kansas will amount to about \$5.25. Send us your order, either for cash or on credit terms whichever you prefer, and the order will receive our prompt and careful attention. We should be pleased to extend credit to honest people located in all parts of the world. Knowing that the readers of the Kansas Farmer are honest, we should, therefore be pleased to extend credit to all the readers of the Kansas Farmer. Write for free catalogue. This is the greatest bargain ever offered. We refer you to the Southern Illinois National Bank of East St. Louis, Ill. Century Manufacturing Company, capital \$500,000. Department No. 54, East St. Louis, Ill.

We Sell Direct--Save Our Customers Two and Three Profits--Send for Catalogue.



20 Days Free Trial.

One Year's Guarantee \$39.50

Top Leather Quarter, Leather Cushion Back.

Wholesale Manufacturers of Buggies, Road, Spring and Farm Wagons, Harness, Saddles, Rural Mail Wagons, etc.

ERHARDT WAGON MFG. CO.,

Third and Commercial Streets, ATCHISON, : : : KANS.

Blood and Skin Disease Positively Cured.

No Cure, No Pay.

Cases guaranteed. Pay your money when benefited. I have hundreds of testimonials who testify of the healing power of my treatment. If you are ailing, Don't give up hope, but write me at once for full free advice, enclosing stamp for reply.

A. A. BROWER, M. D.
Box 199 B, Topeka, Kansas.

COLORADO RED MINERAL PAINT

Use No Oil--Mix With Water

A 12 year old boy can apply this paint successfully. Satisfaction guaranteed. We pay the freight. Paint your houses inside and outside. Your barns, fences and agricultural implements. This Rich Tuscan Red Mineral Paint is shipped dry in 100 lb. packages. 100 lbs. will cover 1000 square feet of rough surface such as rough boards and undressed stone and 2000 square feet of smooth surface such as walls and ceilings. This paint will not wash, rub or peel off and can be polished like a mirror. Finish. Price \$3.00 per 100 lbs. delivered in Iowa, Kansas or Nebraska. We pay all freight charges and guarantee safe delivery. Remit by Draft, P. O. Order or Express Order to B. M. & PAINT CO., Railroad Bldg., Denver, Colo. Paid up Capital \$150,000.

\$28. Free, For A Testimonial.

You can have ripe tomatoes June 15th, ripe melons July 1st, new potatoes and cucumbers May 15th. All other vegetables or flowers as early by using Gold Mine Hot Bed. It protects all kinds of plants from frost, cold, raw winds and storms. Keeps off the bugs, insects, cut-worms. Stimulates plant life in such a manner as to make them grow three times as fast. Indorsed and recommended by every agricultural paper in the United States, and by every farmer that has used them. There is not a tool or implement that the farmer buys that will bring him in as large returns each year as this. It will pay for itself forty times a year, with proper usage.

We have reduced the price from \$1.50 per dozen to 85 cents, for immediate acceptance. Sold on the same guarantee to give satisfaction as plows, binders, and mowers are sold, or money refunded. When you find they are better than you expected then kindly send us a testimonial. Next year you will want more of them; we will reciprocate your kindness with a present.

We will give 200 Gold Mine Hot Beds to the person sending in the best report; 100 for second best; 50 for third; value \$28, and pay all charges to destination. Premiums paid in November. Points considered--Earliness, yield, amount of money made, with one dozen.

Please do not delay your orders. Reference by permission: Commercial Bank, Greentown. W. M. WOODWORTH, Greentown, Ind.

LOOK! LOOK! MIRACULOUS DISCOVERY! Good Butter from 1 Pound. Satisfaction Guaranteed. If you fail to make the Butter your money cheerfully refunded. Send \$1.00 at once and begin to treble your out-turn of Butter. No Drugs used. Address THE HOME SUPPLY CO., KAUFMAN, TEXAS.

Seed-corn, Seed-corn.

Ross & Ferrell, Farragut, Iowa, make a strong point of selecting high-class seed-corn for their customers. All their corn is carefully hand-picked. They will ship in the ear or shelled, and they guarantee it to be as represented. It is pure seed, true to name, and has lots of vitality for quick and continued growth. All are standard varieties of medium size, a good cattle corn, the kind that best pleases elevator men. The Early Reed and Early Gem are best varieties of yellow. Your order given best of attention now. Order without delay. The big rush will begin in two or three weeks. See advertisement.

To the man who profits by his mistakes experience pays handsome dividends. Don't make any more mistakes. See our "Blocks of Two."



The Erhardt Wagon Mfg. Co.

Herewith we print a picture of the factory and warehouses of the Erhardt Wagon Manufacturing Company, the Western headquarters of which are located at Atchison, Kans. It is always a matter of pride to be able to claim these great factories as home institutions, and it is a matter of further satisfaction when such a factory adopts the policy of selling direct to consumers and thus saves the jobbers' and retailers' profits for the

benefit of the customers. At this factory everything in the way of vehicles from the heavy truck to the pony cart is offered at wholesale prices. All kinds of harness, saddles, wagon covers, tents, horse-clippers, and everything that pertains to a horse, is here catalogued at the same kind of prices and an early shipment guaranteed. Their advertising card appears on page 389. Write for catalogue with special price list.

DIETZ LANTERNS are everywhere noted for shedding strong clear, white light. Hand lanterns, street and driving lamps, etc., many sizes and styles for all purposes. Send for free illustrated catalogue. **R. E. DIETZ COMPANY, 28 Light St., NEW YORK.** Established 1860.

THE SHARPLES Tubular Dairy SEPARATOR

Here is a sample of the kind of letters we get every day:

"Have often heard of the Sharples Tubular Separator, but never investigated it until now. I thought all separators more or less alike until I tried your Tubular. I have used other separators, but never knew what a separator could be or should be, until I got this. No fat left in the skim-milk—half the labor to turn it—one-tenth number of parts to clean. The talk of others misled me to my own loss, but now I know better."



Every dairy farmer can have a free trial of the Sharples Tubular and decide in accordance with his own judgment—not talk. Catalog No. 168 free.

SHARPLES CO., P. M. SHARPLES,
Chicago, Ill. West Chester, Pa.

Let us put your name on the free list of the "SEPARATOR"—a good paper for dairymen and farmers.

In the Dairy.

Conducted by George C. Wheeler, Kansas Experiment Station, Manhattan, Kans., to whom all correspondence with this department should be addressed.

[The editor of the KANSAS FARMER is glad to announce that the position of editor of the dairy department, which was so long and so ably filled by Prof. D. H. Otis and later by Prof. Ed. H. Webster, from this time forward passes to the charge of Mr. George C. Wheeler of the Kansas Experiment Station. Mr. Wheeler has charge of the dairy herds at the college so that his part of the work is in exact line with that of the producer of milk. It is hoped that Mr. Wheeler's invitation to ask questions will result in keeping him busy with answers.]

A Plea for More Progressive Dairying.

Another turn of the wheel and the dairy page of the KANSAS FARMER is deprived of its editor. Prof. Ed. H. Webster, who has so ably filled the place for the last few months, steps up and out. The writer who has been asked to take his place can not hope

to fill it, but will rattle around to the best of his ability and perhaps may aid to some extent in disseminating and emphasizing the principles of Kansas dairying.

We invite and urge the hearty cooperation of all practical dairymen in our work. If you have methods which are especially satisfactory, write us about them; let the dairy page of the KANSAS FARMER be a clearing house for all the latest and best things in dairy practice.

We will endeavor to answer, as far as we are able, all dairy questions of general interest which may be submitted to us.

We publish this week the record of a Colorado herd which Kansas dairymen might well emulate. The keeping of accurate records will do more to increase the profits of dairying than any other one thing. The dairyman who does not use the scales and the Babcock test is groping in darkness. It is the only sure way of knowing the profitable cow from the mere boarder. Even our most expert judges of dairy cattle fail in selecting cows by mere external appearance, as is shown in the results of the recent year's record of the prize herd at the college.

The keeping of a milk record is not a difficult matter nor does it take much additional time. A dairyman without a Babcock tester will find his creamery or skimming-station eager to assist him in his efforts to improve his herd. Occasionally taking a sample of a cow's milk to the creamery for a test will not avail. It must be systematically sampled at stated intervals. With the college herd we make a composite sample of eight successive milkings twice a month and the average of these two tests is used as the per cent butter-fat for the month. We would urge every dairyman who is not now keeping accurate record of the individual producing powers of his cows to begin at once. We should like to publish some Kansas figures to compare with the Colorado record of this issue and we invite dairymen who have records of their cows to send them in for publication. We ought to have a score or more of such records published in the KANSAS FARMER.

Swine-Raising as an Adjunct to the Dairy Business.

Much has been said and written on the value of skim-milk for swine, but the subject has not been emphasized as it should be yet, for many men do not realize the feeding value of skim-milk or the beneficial effect it has on the digestive system of the corn-fed hog or the growing pigs. The dairymen, of course, utilize

HARD FACTS ABOUT CREAM SEPARATORS.

The **HARD FACTS** which concern the intending purchaser of a cream separator—whether for factory or farm use—are briefly these:

That a DE LAVAL Cream Separator is as much superior to imitating machines as such other separators are to gravity setting systems.

That protecting patents make and keep them so—together with far greater experience and superior facilities in every way for cream separator manufacture.

That every big and experienced user of cream separators knows this and uses De Laval machines exclusively—both in factory and farm sizes.

That it is as foolish to-day to buy other than a De Laval separator as it would be to buy an old-fashioned mower if an up-to-date combined reaper and self-binder could be had for the same money.

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much of the skim-milk in rearing the calves, but a first-class dairy cow ought to produce more than enough milk to raise the calf. The man who runs a private dairy can also profit by feeding the buttermilk to swine instead of letting it run into the sewer.

The Kansas Experiment Station has conducted several experiments with feeding skim-milk to hogs, and in every case the gain per day has not only been larger but has taken much less grain per hundred pounds of gain than in cases where skim-milk was not used. We recently put some shoats on a fattening ration of soaked corn and alfalfa hay. They gained all the way from a pound to a pound and one-half a day for two weeks, then we began feeding skim-milk and for the last two weeks, and since we introduced the skim-milk into the ration they have gained over two pounds per day right

along, and yet many men hesitate about paying 15 cents a hundred for skim-milk or waste the skim-milk and overfeed their calves with it rather than feed it to the hogs.

Skim-milk is of more value to the hogs than its analysis shows it to be as it acts as a tonic and stimulant. It keeps the bowels in good condition and the hogs seem to be healthier and fatten much faster when they have this kind of a feed. It is true, however, that hogs fed on milk of any kind are more or less troubled with worms, but this can be remedied by having charcoal or slaked lime before them all the time, and they should have one of these condiments whether they are fed milk or not.

Then again, what is better for the growing pig at weaning time than skim-milk? Nothing could be better, for the pig at this time needs some

A Train Load of Separators!

Twenty car loads. Two thousand two hundred and fifty De Laval Hand Separators at a value of \$225,000.00, all sold during the first ten weeks of 1903. This is the record of The Continental Creamery Company of Kansas. Two hundred and twenty-five thousand dollars invested by Kansas dairymen in improved machinery.

Why Do They Buy The De Laval?

Simply because the dairy business has come to stay in Kansas and they want the separator which LASTS. The farmers buying these separators are selling their cream to The Continental Creamery Company. Why? Because they are better treated, are paid better prices and have the advantage of seeing their cream weighed, sampled and tested by a home man at a home station.

What Are Our Prices?

We pay three and one-half cents under New York market, NET, for butterfat in Hand Separator cream delivered at our stations. In January we paid 24 cents, NET. In February we paid about 23 1-5 cents, NET. These prices were not beaten and our prices the year round cannot be beaten by any concern in the country. If you are not near one of our stations, twenty or more hand separator patrons in a given radius can get one. Write us or see our agents.

THE CONTINENTAL CREAMERY COMPANY,

TOPEKA, KANSAS.

highly nitrogenous food to combine with the more carbonaceous grain ration to which the pig generally has access. Many men who live on the outskirts of towns and cities keep a pig or two to utilize the waste from the table and kitchen and raise them practically without cost. Then why not practice this on a larger scale by keeping swine to utilize the waste from the private dairy and creamery?

R. N. DORMAN.

Dairy Notes from Sunny Colorado.

Spring has arrived fully three weeks earlier than common this year. The pastures and alfalfa-fields are showing signs of returning activity in growth and the mountains are well covered with snow, prophetic of plenty of water during the coming summer for irrigation which is the main factor in successful farm operations here.

February was the severest month of the whole winter on stock, and our milk receipts were considerably below normal on that account. The herd report for the month of February is as follows:

REPORT OF BROADMOOR DAIRY FOR FEBRUARY, 1903.

Cows on record.....	128
Alfalfa fed, pounds.....	64,510
Silage fed, pounds.....	47,376
Bran fed, pounds.....	20,275
Corn chop fed, pounds.....	1,764
Milk produced, pounds.....	67,965.8
Alfalfa hay per cow per day, average pounds.....	18
Silage per cow per day, average pounds.....	13.22
Bran per cow per day, average pounds.....	5.65
Corn chop per cow per day, average pounds.....	.49
Milk per cow per day, average pounds.....	18.96
Notes.—Began feeding corn chop in ration on 23d. A stormy, cold month—cows kept in barns nine nights during the month.	
Per cent.	
Herd test, butter-fat (certified).....	4.2
Solids fat.....	4.5
Solids not fat.....	9.37
Total solids.....	13.8
FEED VALUES.	
Alfalfa hay per ton.....	\$10.000
Silage per ton.....	2.000
Bran per ton.....	19.000
Corn chop per ton.....	18.000
Feed cost per pound of milk.....	.008

So far as my knowledge extends, we are the only dairymen in Colorado and even west of the Mississippi furnishing a "certified" milk. For the benefit of the uninitiated a few of its special features are given in comparison with so-called "average" milk in the following ten parallel statements:

Advantages of Broadmoor Certified Milk for Infant Feeding

1. The cows are guaranteed free from tuberculosis.
2. The cows are groomed every day.
3. The first milk from each cow is rejected every day, as it is well known that the fore-milk contains the majority of harmful bacteria.
4. The cows stand on a cement floor, which is washed every day.
5. Milk is immediately cooled, bottled in sterilized jars, which are hermetically sealed and placed on ice until delivered to the customer.
6. Water is supplied from a spring, which is piped to the cow lot, the water having been analyzed and pronounced pure by Dr. Mitchell, Bacteriologist to the Denver Board of Health.
7. The fat content of the milk is guaranteed not to vary. The milk is tested every day, so that we know what we are selling. We can not afford to guess when a doctor is prescribing for a delicate baby.
8. Our preservatives are cleanliness and coldness.
9. Owing to the care used in producing our certified milk, we are able to deliver a milk practically neutral.
10. Our certified herd is isolated from other cattle and therefore not liable to infection.

Milkers are clothed in clean, white suits and we use the Gurler sanitary milk pail, the entire top of which is a removable strainer consisting of two thicknesses of sterilized gauze between which is a layer of sterilized absorbent cotton. A new supply of gauze and cotton is used at each milking.

The mechanical milker has been attracting considerable attention of late and the day-dawn of success seems to be tinting the sky with hope. Apropos to this matter the following extract from a letter received from F. E. Bryant, senior partner in the Broadmoor dairy firm and who is now visiting in England is of value to dairymen, coming as it does from a disinterested eye-witness and a practical dairyman of experience:

"I have been looking into the merits of the Lawrence-Kennedy milking-machine. There are over five hundred of these machines in use in Australia and about ninety in England. I went

down to a place called Gillingham's in Dorset to see them work. The machine has been installed at this dairy for nearly two years; so I thought it would be a good place to go as they had cows that had been milked by the machines before calving, had since freshened and were being milked again by the machine. I saw forty cows milked at this place in twenty-five minutes using eight machines, being operated by a man to put the 'teats' on, and a boy to carry the milk to the dairy. The machine got practically all the milk. The cows were stripped out afterward and a gallon and a half was all that was gotten from the forty cows. The owner of the farm told me that he considered it saved him a lot of money and time, and since using the machine he had had no 'three teater,' sore teats, or cowpox, and had cleaner, better-keeping milk.

"I see no reason to doubt but that the machine is entirely practical; it is very simple, nothing to get out of order and easily kept clean. I am going to Datchett this week to see the machine work again."

All things considered, such statements would tend to "jar" the unfaith of the most skeptical. The cost of hand milking is always heavy on a modern large dairy. To regularly milk a "string" of from twenty-five to thirty-five cows and care for them requires a "professional" milker, and the unnatural hours of work tend to render a man "cranky" and pessimistic.

Abnormal cranial "bumps" of tact and patience are needed in the head-gear of a superintendent to secure long-continued service from employees under these conditions. May the success of mechanical milkers come, and come quickly.

H. R. BLAIR.

WITH NATURE'S WONDERS.

The Tourist Finds Much of Interest Among the Caves and Natural Bridges of California.

California has numerous natural bridges, caves, etc., of no little interest. The mammoth cave of Calaveras was discovered by miners in 1850. It contains, among other striking features, a rock shaped like a boat, and various apartments whose peculiar conformation or apertures have caused them to receive such names as Odd Fellows' Hall, Music Hall, Bridal Chamber, Cataract, etc.

In Placer County, eight miles from the Central Pacific tract, is the Alabaster Cave, containing large rooms, crystalline waters, and innumerable stalagmites, stalactites, etc.

In Tuolumne County is the Crystal Pal-

Average Dairy Milk Produced under Average Conditions.

1. Ten per cent of Colorado's dairy cows have tuberculosis.
2. The cows are never groomed.
3. Anything that looks like milk is good enough.
4. The cows stand on a board floor which is alive with bacteria, and is never washed.
5. The milk is cooled from two to three hours after milking, put in jars which have not been sterilized and is not put on ice.
6. The less said about the water supply of the average dairy the better.
7. The average dairyman does not know the fat content of his milk. As he never tests it, he has to guess at it. The doctors have failed to find any merit in average milk produced under average conditions. When their reputations and the life of a delicate baby are at stake they want the best.
8. Common preservatives found in average milk are freezing, borax, preservative, boracic acid, etc.
9. Average milk under average conditions contains a high per cent of acidity, which leads to stomach derangements, and kindred troubles.
10. Healthy and sick intermingle promiscuously.

ace Cave, discovered in 1879. It has a number of attractive subterranean apartments, such as the Bridal Chamber, the Crystal Palace home, and a curious apartment called the Music Hall, where the deposits of aqueous origin not only have taken the form of organ pipes, sounding boards, etc., but they also emit, when struck, sounds or vibrations distinctly musical in quality.

Near this cave are two natural bridges, which the tourist can visit and return to the railway within half an hour. They are respectively 180 and 240 feet long, and the upper and larger is very curious.

On the beach near Santa Cruz is a natural bridge of imposing proportions and picturesque formation into which the sea washes.

The direct and most comfortable route to California is over the Union Pacific. Literature giving full information can be obtained by addressing J. C. Fulton, depot agent, Telephone 34, or F. A. Lewis, city ticket agent, 525 Kansas Avenue, telephone 53.

This is the season of year when stock of all kind should be given a good conditioner. The system is clogged with impure matter, worms, etc. Rex Conditioner will put them in fine shape for spring work. It is just what your horses need.

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Everybody happy all about the place—
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The Empire way means greater profits for the butter maker, more money for the milk producer, less labor for both and greater satisfaction all around. Don't make a mistake. Be sure and get an

Empire Easy Running Separator,

The Separator with the light bowl and few parts.

The separator that's easy to turn, easy to clean and that has practically no wear out to it. Don't be persuaded into buying a separator without investigating the merits of the Empire. Don't take anybody's say so—try it and then decide for yourself. There can be no question as to what your judgment will be.

The Empire is different from other separators. Without question it is the simplest in construction, has fewer parts to clean and nothing to get out of order, and it is sold on a fair basis.

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Bloomfield, New Jersey.

Western Office, FISHER BLDG., Chicago.

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GOOD COWS AND A U.S. SEPARATOR

FILL THE FARMER'S POCKETS WITH MONEY!

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The cream makes the butter,
The skim-milk makes the calf,
All bring in the cash.

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[The editor of t is glad to announ of editor of the which was so lon by Prof. D. H. Otl Ed. H. Webster, ward passes to t George C. Wheel periment Station charge of the dai lege so that his p exact line with t of milk. It is ho er's invitation to a suit in keeping l swers.]

A Plea for More F

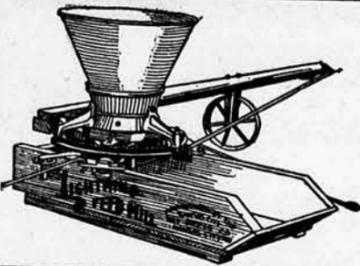
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T BEEES If interested in bees subscribe for the Progressive Bee-Keeper 50c per year. Sample copy free, also copy of catalogue of Bee Keepers' Supplies. LEAHY CO., HIGGINSVILLE, MO.

The Poultry Yard.

Some Fowl Questions.

EDITOR KANSAS FARMER:—I want to learn something about the different breeds of poultry, and about the machine which man's inventive genius has built to take the place of old biddy. When the chicks in the incubator pip through the shell and fail to go farther but seem to get dry and stick in the shell, whose fault is it, that of the man who made the incubator or that of the incubator, or of the one who operates the incubator? Or is it from a fault in the care and management of the hens that laid the eggs? We notice that the old hen seldom had this trouble—all eggs that pipped hatched and usually eleven out of thirteen empty shells were left in the nest.

But this spring we have this trouble and the eggs that fail to hatch seem to lack moisture. Will some one who has had experience tell us what the trouble is and how to remedy it?

Again, in these days of improved breeds and progress in poultry science I hear of some new breed every year or oftener, and all breeders claim to have the best and most profitable for the farmer to raise. So if I try to keep up with the procession, before I can be stocked in one breed I find that there is another that has lately come forth that has greater claims than all others. Whither is this craze for new things leading us? Let us think a minute, and ask what class of fowls have gained the most favor with the farmers of America, and we will come to the conclusion that Americans raise poultry for two purposes, for profit and for pleasure; or again, for eggs and for meat. The people of Asia seem to raise poultry for the meat alone while the Mediterraneans raise them for the sake of the eggs they produce; but we Americans try to invent a machine to produce the eggs for us to eat, and then we want to eat the machine. So we have the Rocks, the Domineque, the Wyandottes, Rhode Island Reds, and Javas, which we believe are the oldest of the American breeds and from which the Plymouth Rocks originated. But the original Javas are black, and we do not like a black chicken because they are not as easily dressed as a buff or a white color.

For all that, the Javas are the most beautifully formed and are the most hardy, are good rustlers and resist disease better than most varieties, besides being able to lay as many eggs and produce as much and as delicious meat as any other variety. We find all other breeds produce what is called "sports," and we have White Rocks, and Buff Rocks, and Wyandottes of all colors, but we have but two colors in the Javas, the black and mottled. Why do we not produce a sport and raise a white Java? Do any of our readers know of any White Javas? If so, where are they raised and what merit have they? I would like to learn, for in these times of improved breeds I feel like going back to the original and not try every new thing.

J. B. DAVIS.

COLONIZATION OF THE SOUTH-WEST.

Aid and Inducements Offered by the Missouri Pacific Railway.

The Missouri Pacific Railway is bending every effort towards developing the agricultural, mineral, and industrial resources of the West and Southwest. To attain this end, it asks the aid and cooperation of every farmer, miner, merchant, and professional man along its lines.

The development of the products of any section of the country means just so much more capital to be spent in that section. Prosperous neighbors make a prosperous community, especially if they live and have their interests at home.

It is this class of persons that the Missouri Pacific Railway asks the patrons along its lines to invite to their sections. You furnish the names and addresses, and we will furnish the necessary descriptive and illustrated literature to induce them to settle in your community.

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H. C. TOWNSEND, General Passenger and Ticket Agent, St. Louis, Mo.

Caustic Balsam Having Excellent Sales.

Cunningham, Kans., Jan. 15, 1903. The Lawrence-Williams Co., Cleveland, O. I opened a drug store here about November 20, 1902. Since that time I have sold eleven bottles of Gombault's Caustic Balsam, and have just ordered more today. Can you beat that in a town of 200 people?—IRA L. MAXSON.

TWO GIRLS hatch 2,183 chicks; one woman 716; one man over 2,000. New System again beats incubators. Booklet Free. P. GRUNDY, Merionville, Ill.

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JAMES BOTTOM, breeder of Black Langshans. Eggs \$1.00 per setting. Onaga, Kans.

PEN OF SELECTED WINTER LAYERS—R. C. Brown Leghorns exclusively. Eggs \$1.25 per setting of 15. H. M. Johnson, Formosa, Jewell Co., Kans.

FOR SALE—Light Brahma cockerels, \$1.00 each, four for \$3.00. Wanted—White Holland turkeys. Nellie B. Stallard, Sedan, Kans.

BLACK MINORCAS—World's greatest laying strain, beautiful in shape, color and comb; grand winter layers. Eggs \$1.50 per 15. Address George Kern, 817 Osage St., Leavenworth, Kans. Circular free.

FOR SALE—Light Brahma chickens; the finest in the land; I won three first premiums, one second and two third, against the hottest competition. I offer 10 high-scoring cockerels at \$5 each; ship subject to examination at express office; if not as represented, ship back at my expense, and money will be refunded. Others not so high scoring, for \$1, \$2 and \$3, but not on shipping guarantee. Eggs from prize winning pens \$2 for 15, from second pen \$1 for 15 or \$1.50 for 30. Correspondence solicited. Mrs. J. R. Kenworthy, Cottage Home Poultry Yards, 1102 Waco Ave., Wichita, Kans.

HIGH-CLASS POULTRY—Silver Wyandottes, White Wyandottes, and White Plymouth Rocks. Eggs for hatching, 13 for \$1. R. F. Meek, Hutchinson, Kans.

FOUR young litters high bred, pedigreed, Scotch collie pups, for sale. Book your orders quick. Walnut Grove Farm, Emporia, Kans.

COCKERELS—Indian Games and Black Langshans, farm-raised, price \$1 each, if taken soon. H. Baughman, Wymore, Neb.

SILVER LACED WYANDOTTES—Exclusive of the American Beauties. Choice birds. Sixteen years a breeder. Eggs \$1.50 to \$1 per 15. D. Tennyson, Frankfort, Kans.

B. P. ROCK EGGS—15, \$1.50; 100, \$4. Mrs. J. W. Holsinger, Cottonwood Falls, Kans.

PURE S. C. B. Leghorn eggs, 30 for \$1; entire new blood. Orders promptly filled. F. P. Flower, Wakefield, Kans.

BARRED PLYMOUTH ROCK EGGS—\$1 per 15. Correspondence solicited. J. A. Sawhill, Edgerton, Kans.

TWO YARDS S. C. B. Leghorns. A few choice cockerels for sale, \$1 each; 15 eggs, \$1. John Black, Barnard, Kans.

BLACK LANGSHANS.—Pure-bred and fine. 15 large, brown eggs 75c. T. E. Whitlow, Moran, Kans.

BARRED ROCKS—Only. Heavy boned, vigorous stock, unlimited range. Eggs carefully and securely packed. 100, \$4; 15, \$1. Adam A. Weir, Clay Center, Neb.

EGGS—For hatching, from White Plymouth Rocks, scoring 94 to 96%. Cockerels direct from U. R. Fisher's pens. Eggs, \$2 for 15; \$3.50 for 30. Also from Blue Barred Rocks, line bred for 12 years, scoring 90 to 92. Write for descriptive circular to Herbert Johnson, Chanute, Kans.

EGGS FROM GEM POULTRY Farm are sure to hatch high-scoring Buff Plymouth Rocks. No other kind kept on the farm. \$2 for 2; 30 for \$3.50. Satisfaction guaranteed. M. B. turkey eggs, 11 for \$2. C. W. Peckham, Haven, Kans.

SILVER LACED WYANDOTTE EGGS—Pen headed by cockerel winning 1st premium at St. Joe, Mo., Fair, \$2 per 15. At range from other prize-winning strains, \$1 per 15, \$4 per 100. Frank Rice, Wathena, Kans. R. R. 2.

MRS. E. F. NEY—Breeder of WHITE WYANDOTTES. Bonner Springs, Kansas. Eggs for hatching, \$1 per setting.

COLLIE PUPS AND B. P. ROCK EGGS—I have combined some of the best Collie blood in America; pups sired by Scotland Bay and such dams as Handsome Nellie and Francis W. and others just as good. B. P. Rock eggs from exhibition stock; none better; 15 years experience with this breed. Eggs \$1.50 per 15. Write your wants. W. B. Williams, Stella, Neb.

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FOR SALE—White Wyandottes eggs from my Chicago 1902 winners, \$1 per 15. George Getty, Syracuse, Kans.

FOR SALE—Six Buff Cochins cockerels \$1 each. Eggs \$1 per 15. Express paid on two settings. H. A. Thomas, Scranton, Kans.

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BARRED PLYMOUTH ROCK EGGS—From fine flock Hawkins strain 15 for \$1.50; 45 for \$3. Annie Wynkoop, Bendena, Doniphan Co., Kans.

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SILVER LACED WYANDOTTE eggs 5 cents each, farm raised, birds exclusively seven years. Mrs. M. A. Hall, R. R. 7, Winfield, Kans.

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NEW OXFORD BALL-BEARING CREAM SEPARATOR
 The latest and best production in Cream Separators. They skim clean, are easy to wash, run easy, simple in construction, neat in appearance. The most durable machine on the market.
 Before you buy a Separator, see the New Oxford, or send for our Catalogue No. 187.
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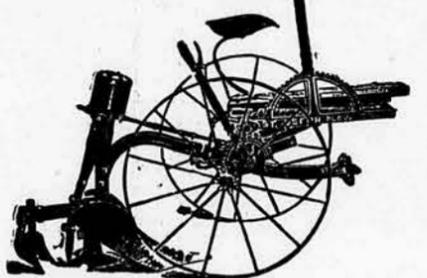
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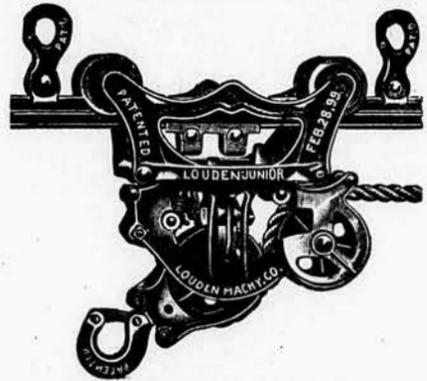
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WE SELL DIRECT TO THE FARMER AT WHOLESALE.
 That saves you the dealer's profit. It's all interwoven, no loose ends to unravel, raining fence. Crosswires can't slip. Our prices are as low as can be made for a good fence. Your name and address on a postal card will bring circulars and special prices. Write at once.
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"Famous" St. Joe Listers and Disc Cultivators
 The LISTERS scour always and run deep. The St. Joe Disc Cultivators for listed corn can be adjusted for three times over the corn plowing 20 acres a day; better than you can hoe it. Send for Catalogue. Department K.
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LOUDEN'S Latest Improved HAY CARRIERS? Worth three times as much as any old style carrier. Never fall to perform their work. Will fill your barn full and will NOT BIND ON TRACK or break the fork pulley.
 We are the originators of FLEXIBLE BARN DOOR HANGERS and have the BEST ON EARTH. Also a full line of HAY TOOLS, HAY RACK FITTINGS and HARDWARE SPECIALTIES for use in field and barn. SAVE MONEY by writing for catalogue. Address **LOUDEN MACHINERY CO., Dept. D, Fairfield, Iowa.**

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 The water is not mixed with the milk. The most perfect and latest improved Separator made. Pays for itself in a short time. Separates all the cream without labor. Men and Women can make good profits. Where we have no agent we will send a Separator at agents' price to introduce it. Write for catalogue and prices.
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THE ORIGINAL Two-Row Shovel Cultivator

Will plow TWO rows AT ONCE And will plow them RIGHT.

We do not ask you to try an experiment, but are giving you the results of years of study and experimental work which have made this plow a success. We do not need to show you why a practical Two-row Cultivator is a desirable thing for corn raisers.

One man, Three horses, and One two-row cultivator
AGAINST
 Two men, Four horses, and Two one-row cultivators
 is an example easily understood.

If your dealer has a sample, examine it and note the range of adjustment, the simplicity and effectiveness of the guiding device, and the substantial way in which it is built. If your dealer does not have one, write for our illustrated circular. Write for it anyway.

DEMPSTER MILL MFG. CO.,
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Griswold Square Mesh Field Fence.

The best of all Lawn and Field Fences. Is hog proof. Manufactured in 18, 24, 33, 39, 50 and 56 inch heights; in 20 and 40 rod rolls. The narrow widths can be supplemented to any height desired by Barbed or Plain wire, or two strand twisted Cable wire. Manufacturers of Diamond Mesh Fence, Plain, Galvanized, Barbed or Telephone Wire. Wire Nails and Hay Bale Ties. Write for illustrated catalogues and price lists. **Dillon-Griswold Wire Co., Sterling, Ill.**

Agents, Farmers, Sprayers—Special Offer: FOR \$2.25 we will furnish Agents sample of our New Century Self-Operating Sprayer, Galvanized Steel Tank, Hose, and Nozzle complete. This is a great seller to farmers. Write early and secure territory. Sprayer retails at \$5.00. **New Century Spray Pump Co., Dept. S, Rochester, New York.**

CALIFORNIA ONLY \$25.00

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Tickets on sale commencing Monday, March 9th, good in Tourist Sleeping Cars and Free Chair Cars.

Liberal stop-over privileges. Through Fast Train daily at 1:15 p. m. Only three nights out to Los Angeles and San Francisco by this train. Send for illustrated book on California—free.

For full information relative to rates, connections, sleeping-car reservations, etc., address

T. L. KING, C. P. & T. A.,
 Or...T. M. JAMES, North Topeka. Topeka.

Gossip About Stock.

(Continued from page 383.)

property of the delegation to which it is awarded and it goes without saying that after this meeting Kansas will have another new banner.

Will H. Rhodes, Tampa, Marion County, Kansas, proprietor of the East Lynn Herd of imported and American-bred Herefords and Berkshires, reports that the Berkshire trade has been very good during the past few months, and last week's sale included one male to H. W. Harms, Haven, Kan.; boar and sow to W. B. Norris, Raymond, Kans.; sow to A. A. Graham, Ulysses, Neb. (Mr. Graham is brother to I. D. Graham of the Kansas Farmer); sow to Mrs. Ollie Hart-tromft, Naperville, Ill.; three sows to Dusenbark & Billard, Eskridge, Kans. "The Kansas Farmer sold all these for me," says Mr. Rhodes, "and I am receiving inquiries daily. I have a few extra good Hereford bulls ready for service that I am pricing so as to move them quickly. They are all sired by Java of East Lynn 100229."

On Thursday of last week, at Marshfield, Wis., there was held a combination sale of Shorthorns which proved quite successful. The forty-five head offered brought \$7,680, average \$170. Thirty-five of these were females which sold for \$6,675, and the ten bulls sold for \$1,005. This was distinctively a north Wisconsin sale and the contributors have reason to feel satisfied with their venture. We notice that Mr. Frank W. Harding, proprietor of the Anoka Herd, Waukesha, Wis., was a contributor of two females. These were Imp. Blinkbonny 41st, who went to Robt. Freeman, Monisnee, Wis., for \$420, and Imp. Calceolaria 6th, who was taken by the same party for \$500. Mr. Harding is also a breeder of fine sheep and his card will be found on page 397 of this issue.

Ridgeview Farm, belonging to Manwaring Bros., breeders of Large English Berkshires, R. F. D. No. 1, Lawrence, Kans., notify us of a desire to change their advertising card on page 372 because of the fact that they were never so nearly sold out as at present. The demand for the choice animals which they breed has been so great that they are entirely sold out of bred gilts and are still getting orders which they can not fill. They are offering still a few fall pigs and are booking orders for pigs of spring farrow which they have in numbers and which are all doing well. Pigs which were farrowed Dec. 18, are now making a gain of 2 1/2 pounds per day in spite of the fact that they were taken from the mother when only 3 days old. It seems that the man who can breed good Berkshires is sure of a good business provided he can raise them fast enough.

One of the attractive features of the last biennial report of the Kansas State Board of Agriculture was its illustrations of typical pure-bred animals. Among these we notice a portrait of British Lion 133692, belonging to D. P. Norton, of Dunlap, Morris County, Kans. This portrait is shown on page 41 and is a most excellent and lifelike picture of this great Shorthorn sire. Another point of interest lies in the fact that just now Mr. Norton has a few good calves by this bull that he is offering at ridiculously low prices, considering quality and breeding. Mr. Norton informs us that all the stock he has ever sold that was sired by British Lion has proved satisfactory to the purchasers and this, in itself, is a fine recommendation both for the herd and the man. Write a letter to D. P. Norton and ask him his prices on British Lion stock and it will pay.

The Angus sale held at Omaha on March 24 and 25 under the direction of Chas. Escher proved to be a good one. The bulls made an average of \$183.03 and the cows and heifers averaged \$215.65. Parker Parrish & Miller, Hudson, Kans., sold four females and two bulls at good round prices. Their Queen Mother bull, Lafayette, brought \$200 and went to A. E. Turner, Lennox, Ill. The consignors were C. D. Hooker & Son, Maryville, Mo.; Oliver Hammers, Hillsdale, Iowa; W. J. Miller, Metz, Iowa; Geo. Stevenson Jr., Waterville, Kans.; W. H. Kerr, Waterloo, Neb.; Chas. Escher Jr., Council Bluffs, Iowa; J. H. Mayne, Council Bluffs; Parker Parrish & Miller, Hudson, Kans.; G. R. Pearsons, Goldfield, Iowa; T. J. McCreary, Highland, Kans.; W. W. Andrews, Maryville, Mo.; E. Reynolds & Son, Prophetstown, Ill.; and Chas. F. Beekman, Atlantic, Iowa.

Mr. John M. Copeland, who owns a fine herd of Shorthorns that was first established at Glasco, Ill., in 1886, writes us that his cattle have come through the winter in fine shape and that he has been having some excellent sales. Lately he sold two heifers to Geo. Cutteny, Alton, Kans.; one bull to J. Harshberger, Milo, Kans.; one to M. Murray, Simpson, Kans.; one bull to Jacob Franks, Glasco, Kans.; one Chas. Pilcher, Glasco; one bull to David Swank, Milo; one bull to Mr. McCurry, Milo; and a bunch of two cows and eight heifers to Mr. W. P. Lynch, Delphos. Mr. Copeland has only a few young bulls left that are old enough for service. One of these is a grandson of Lord Mayor and is good enough to head a good herd. He has a few good cows with calves at foot that he would sell at a very reasonable figure and it will pay any one desiring to purchase good Shorthorn blood to correspond with Mr. Copeland. His card is on page 397.

Although he disclaims any oratorical ability, Mr. Eli Elliott, of West Liberty, Iowa, made one of the most interesting of the speeches at the Friday evening meeting of the "horse week" at the Agricultural College. Mr. Elliott has long been an importer and breeder of Shetland ponies, as well as of draft horses, and he has a very large fund of experience from which to draw. Just now Mr. Elliott has a consignment of draft stallions from the big Singmaster breeding farm, Keota, Iowa, that he has brought to Manhattan to sell. These stallions are from 3 to 6 years of age. Four of them are Percherons, one an imported Clyde, and one Shire, and they are all of good colors and weigh from 1,500 to 2,000 pounds. The only pure-bred horses owned by the Agricultural College are two pure-bred Percheron mares bought of Singmaster & Son, and the consignment of stallions

now in the hands of Mr. Elliott at Manhattan will serve to give the people of the State an opportunity to see other examples of the breeding offered by the Singmasters.

While returning from a Western trip on the Rock Island Railroad recently we passed the farm of a man who has had the misfortune to lose 750 head of sheep in one short afternoon. So far as explained, the only known cause was the turning of the sheep in a stock field during the absence of the owner. Contrasted with this, we notice that Mr. C. T. Hessel, of Frankfort, Kans., has successfully fed 8,400 head of sheep during the past winter. These were Western wethers and yearlings which cost from \$2.80 to \$3.10 per hundred and which, after being fed 30 cent corn and \$3 hay, were shipped to Kansas City market where they brought from \$5 to \$6.20 per hundred after having made an average gain of 23 pounds. Mr. Hessel cleared over \$9,000 profit on this sheep venture and announces that it is the best sheep-feeding experiment that he has made in his twelve years of experience.

Mr. F. A. Nave, of Attica, Ind., who has some reputation as one of the first-class breeders of Herefords, has lately added to his repute by making a great sale of Percheron horses in connection with a splendid offering of Whitefaces. The top of the Whiteface sale was reached by Royal Daisy 2d who had previously won reputation as being the dam of March On. She went to the Van Nattas, Fowler, Ind., for \$795. The summary of the Hereford sale is as follows:

41 females sold for... \$12,475; average... \$304.25
9 bulls sold for... 1,565; average... 173.90
50 head sold for... 14,040; average... 280.80
The top of the Percheron sale was brought by the stallion Mell, who went for \$1,500. The top of the mare sale was brought by Brenna, a daughter of Black Diamond, who went to Westfield, Ind., for \$325. The summary of the Percheron sale is as follows:

24 mares sold for... \$12,030; average... \$501.25
6 stallions sold for... 5,020; average... \$836.65
30 head sold for... 17,050; average... \$568.35
Victor of Wildwood is the name of a great Shorthorn bull whose home is at the head of the Glenwood Herd at Chiles, Kans. He is now in the finest of shape and weighs nearly 2,200 pounds. His owner says he would not trade him for any bull that was ever owned on their farm, not alone because of the present appearance of the bull, but because of the quality of his calves. These calves are all good, with broad, level backs and very growthy. It will be remembered that Mr. C. S. Nevius, the owner of this herd, was a liberal purchaser at the dispersion sale of the Kellerman herd at Kansas City where it was noticeable that he picked the top-notchers every time. Since moving these animals to his home farm they have been doing remarkably well and justify the judgment of the purchaser. The females bought from the Kellermans will be calving soon and will add something nice to the herd. Mr. Nevius is fitting a herd for the shows next fall and announces that he has now gotten together a bunch that he is proud of. The senior yearling, Glenwood Ramona 2d, weighs 1,000 pounds at 18 months old and is as pretty as a peach. His junior yearling weighs 755 pounds at 10 months old, and the Violet heifer calf 500 pounds at 6 months. The cow, Pavonia, now weighs 1,300 pounds after suckling her calf for six weeks. Mr. Nevius has spared no trouble or expense in getting together the best animals his money could buy for him and we predict that this herd will make things happen in the show-ring this fall. See his card on page 396.

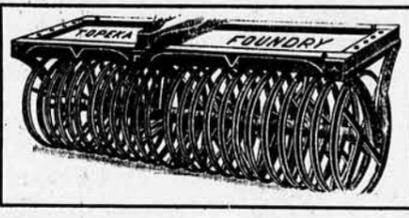
During the past few years Mr. D. L. Taylor, owner of Sunflower Herd of Herefords, and his son, W. W. Taylor, owner of the Elm Grove Herd of Shorthorns at Sawyer, Kans., have been contributing from their herds to the big Kansas City combination sales and have always received satisfactory prices because of the condition and quality of their offerings. They now wish to establish themselves more prominently before the breeders of Kansas and the West, and have decided in the future to hold sales of pure-bred cattle of their own breeding exclusively. For their first annual public sale at Manhattan, Kans., on April 15, they have made an unusually fine selection from the 300 head which compose their Hereford and Shorthorn herds. The breeding of these cattle of both breeds can not be surpassed, and a brief inspection of the catalogue of the sale will serve to confirm this assertion. The writer made a visit to the herds of the Messrs. Taylor and can say that any one who wants a herd-bull of either breed will find excellent materials to select from in this public offering at Manhattan. One of the most important features of this sale will be that every animal offered is absolutely guaranteed as a pure-bred or there is no sale. Col. L. R. Brady, Manhattan, will furnish the catalogue if you ask him.

One of the things which has served to make Oklahoma famous has been its great "101" Ranch with headquarters at Bliss, Okla. About seven years ago the six Millers who own this ranch recognized the immense possibilities for grain-growing in Oklahoma on lands which had hitherto been used only for grazing. Previous to this time they had been engaged in range cattle-raising. In 1895 they leased 1,200 acres for agricultural purposes and began their experiments in seed-breeding. This was only seven seasons ago, and yet in that short time their operations have been so successful that they now have a ranch of about 40,000 acres, one-third of which is under cultivation. As the increase of even a fraction of a bushel per acre in yield would mean many dollars per year to this ranch with its great acreage in corn they naturally sought for a seed-corn which was adapted to the climate and soil of their locality, especially one which had drought-resisting qualities. During this period they found a so-called drought-resisting variety of corn then growing in Paraguay. This they imported and tested, and it proved so satisfactory that they planted 1,400 acres for the season of 1901. It will be remembered that this season was the driest known in the history of the territory, and while other farmers lost their entire corn crop, the "101" ranch kept ten big corn-harvesters busy in reaping this new Paraguay corn which they have

YOU WILL

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TOPEKA FOUNDRY PACKER.

A full stand and perfect seed bed guaranteed.		Drouth defler.
Packs surface as well as sub-surface.		Equal to one inch of rain.
		Makes farming a SUCCESS.

..... Write for prices and circulars

TOPEKA FOUNDRY,

TOPEKA, KANS.

decided to call the White Wonder. The result of their later experience in seed-breeding with this White Wonder corn has been an increase in yield of from ten to thirty bushels per acre over previous yields and with other varieties. In 1901 they sold over 15,000 bushels for seed and the last season showed that it proved satisfactory in localities reaching from the Great Lakes to Mexico. White Wonder corn is even in size, not so flinty as some varieties, averages long ears well filled to the tip and butt with medium-sized grains making the ear average about thirteen inches in length and 20 ounces in weight and, having been acclimated so near to the border line of Kansas, where the conditions of soil and moisture are practically identical, we have reason to think that it will prove an especially good variety for Kansas farmers to use.

That poultry advertisers in the Kansas Farmer are getting a service heretofore unknown in their advertising experience is evident from the fact that quite a number of our present advertisers who use space from four to eight weeks are renewing their advertising orders; all of which goes to prove that the poultry industry is increasing in importance and value and that our advertisers are getting the worth of their money, or in other words, poultry people are doing business.

A weak heart affects all other organs of the body by depriving them of nourishment, thus the stomach, lungs, kidneys or other parts may be so affected as to lead the sufferer and his physician to mistake the symptoms for the disease. Sharp, piercing, cuttings pains in the left side or shoulder; palpitation or fluttering, beating and pounding of the heart; choking or smothering sensations; gasping for breath, a feeling that death is near, these are some of the agonies that heart disease inflicts upon its victims.

Wasting diseases come from weak heart action, retarded circulation, imperfect digestion and impoverishment of the blood. The thin, pale blood can no longer nourish the body, the nerve force is exhausted and the strength falls. The blood affects the condition of the nerves of the brain as well as the muscles and tissue. If it be deficient in quality or lacking in quantity it can not sustain these parts. Rich, red vitalizing blood is absolutely essential to good health. Are you letting yourself run down? Are you losing that snap and vigor that are the mark of endurance? Then stop the excessive waste of the system, add strength and tone to the exhausted nerves and rebuild the worn-out tissues with Dr. Miles' Heart Cure. It is the great heart and blood tonic.

Dr. Miles' New Heart Cure is the great body builder. It stimulates the action of the stomach and digestive organs to get all the nourishment out of the food you eat. It makes pure, rich, red blood. It strengthens, regulates and controls the heart's action, giving it fresh power to send the new blood coursing through your veins on its health-giving mission. It acts on the nervous system which controls all the processes of the body, toning it up to a sound and vigorous action. Dr. Miles' Heart Cure brings quick relief. Like all of Dr. Miles' Remedies it is sold on a positive guarantee that the first bottle will benefit or money will be refunded. Write for free Book on Diseases of the Heart and Nerves. Dr. Miles' Medical Co., Elkhart, Ind.

DISEASES OF MEN ONLY.

The greatest and most successful Institute for Diseases of Men. Consultation free at office or by letter. **BOOK** printed in English, German and Swedish, explaining Health and Happiness sent sealed in plain envelope for four cents in stamp. All letters answered in plain envelope. Varies cured in five days. Call or address **Chicago Medical Institute, 518 Francis Street, ST. JOSEPH, MO.**

We Pay More Than Others for Butter and Cream.

Furnish shipping packages FREE, guarantee accurate weights and tests. Will buy any amount any day in the year. Write for prices at once.

Every One Who Uses CHANDLER'S CREAM SEPARATOR

says it is the most perfect machine in existence. TRY it and be convinced. Its qualities are too numerous to enumerate here. Price and description furnished upon application.

Do You Want a Good Position?
If you have a team and wagon perhaps we can arrange for you to establish a cream route for us in your locality at a good salary. No experience necessary.

O. F. CHANDLER CREAMERY CO.
410 West 6th Street, Kansas City, Mo.

BUY THE BEST CHURN ON EARTH

Makes butter in three minutes

Makes more butter
Makes better butter
Makes butter easier

THAN ANY OTHER CHURN KNOWN

Air process entirely new. A marvel of perfection. Simple in construction—durable, economical, cheap. Anyone can operate it.

Churns butter from sweet or sour milk or cream. Washes the butter and saves working the milk out. No chance for overchurning. Easily kept clean and sweet.

The only churn made on strictly scientific principles. Make your own butter and get full value for your milk and cream. Send for free descriptive booklet. Wasted sold. Agents wanted.

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370 West Madison Street, Chicago.

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Stamp with any name or address with consecutive numbers. I supply forty recording associations and thousands of practical farmers, breeders and veterinarians. Sample free. Agents Wanted.

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175 pages of high grade reliable Furniture at prices that cannot be duplicated. Rugs, Carpets and Curtains in immense variety at lowest prices. Wagon freight. Write today for Catalogue C, Robert Keith Furniture & Carpet Co. Dept. C, Kansas City, Mo.

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INCREASE YOUR FRUIT YIELD AND DOUBLE YOUR PROFITS. Prevent the ruination of your orchard by Caterpillars, Canker or Fruit Worms. Our 29th Century Method will do it. Results positively guaranteed. No expensive Sprayers, Lime or Paris Green. No trouble or worry. A Special Offer to you if our Method is not in use in your vicinity. Write immediately.

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NO HUMBUG. Three in One.

Swiss V. Book Marker and Calf Dabber. Stops swine from rooting. Makes 45 different ear marks. Extraclean. Home. Price \$1.50. Send \$1 for trial. If it suits, send balance. Paid May 8, 1903. Hog and Calf Holder only 75c.

FARMER BRIGHTON, FAIRFIELD, IOWA.

THE MARKETS.

The Kansas City Live-Stock and Grain Market.

Kansas City, March 30, 1903. The packers pounded the beef steer market right merrily last week, and when trade quit on Saturday export and medium killing beefs ranged from 10@12c lower. Steers 1,400 pounds and upwards suffered the worst while light-weight stock showed only a moderate break. Heavy steers are now selling at the low point of the year. Nice weight she stuff advanced 10@15c during the week and it is selling relatively higher than steers. Best heifers command \$4.25@4.50, and it takes pretty good beefs to bring that sum.

Light to medium weight beefs continued in good request to-day, the market averaging 10c higher, while heavy beefs were no more than steady. Better supplies of hogs at the chief markets resulted in a 5c decline, tops bring \$7.42 1/2. Swine are still about 75c per cwt. above a year ago, however. Sheep receipts were light, and Mexican lambs sold up to \$7.25. Texas sheep opened dull and sold lower than last week.

Cattle receipts for the past week amounted to 25,300 head, the big end of which consisted of killing steers. Light weight steers, from 1,100 to 1,200 pounds, were in strong request and the supply of such was below the demand. Steers are now selling about \$1.50@2 lower than during the corresponding time last year. The top price paid here last week was \$5.25, given to J. W. Barker, of Burns, Kansas, for a drove of 1,000-pound steers, marketed McLain, of Weisville, Kansas, marketed steers at \$5.05, and S. S. Harsch, of Butler, Mo., and E. J. Baney, of Kiley County, Kansas, secured \$5 for steers. The bulk of the beef steers received here are now selling at \$4.40@4.75. Well-finished kinds will command \$5 or better. The market for heifers and cow stum is exceptionally good and prices look high compared with steer values. Good heifers are worth \$3.75@4.50 and cows from \$3.25@4. Canning cows and bulls were generally dull and lower.

For the first time this year, hog receipts were in excess of the corresponding period of 1902. The week's run approximated 35,800 head, compared with 34,900 a year ago. Chicago, however, showed a big decrease from 1902. Trade opened brisk under moderate supplies but receipts enlarged towards the close of the week and the market sagged. Another brace at the extreme close put values back nearly on a plane with the finish of the preceding week. Hog salesmen generally hold to the opinion that we will yet see \$3 swine, but the bears claim the high time has been reached. The future of the market depends upon receipts. If there is a bigger crop of spring pigs to move than was expected, the present high prices can not be sustained, otherwise \$3 will not be an impossibility.

J. E. R. Payne, of Garden Plain, Kansas, marketed a bunch of \$7.35 lambs here during the week, the best price of the winter, to date. James Buckingham, of Oronogo, Mo., sold lambs at \$7.25, and C. T. Hessel, of Frankfort, Kansas, marketed Idaho wethers at \$6.10. Sheep were again on the boom last week, mutton advancing 15@25c. Ewes sold up to \$5.85 and yearlings to \$6.75. Lambs were hardly so strong as muttons for the reason they were in better supply than were sheep, but the market was eminently satisfactory from every point of view. The first Texas sheep to arrive this season came in Friday. They brought \$5.60 right off of grass. Traders claim the Texas movement will not be on in force until about the first of May so native sheepmen may live in hopes of continued high prices for a few weeks longer. The advance of grass sheep will undoubtedly result in the present abnormal sheep values taking a tumble. Receipts last week were 28,000 head, against 10,300 a year ago.

Horse and mule receipts were moderate at 1,700 head, about the same as the previous week. One of the most satisfactory, if not the very best markets of the season was had last week. There were a great many Pennsylvanians, buyers on the market and the demand from the South was equally good. Drafts are worth \$135@200, chunks \$80@140, farm mares \$80@130; drivers \$80 up, and Southern horses \$40@100.

There was but little change in the grain markets, the tendency was perhaps a little lower, however. No. 2 cash wheat at Kansas City is worth 67@71c; No. 4, 59@65c; No. 2 corn, 33 1/2@33 3/4c; No. 4, 34 1/2@35 1/2c; No. 2 oats, 33@34 1/2c; No. 4, 31 1/2@33c; rye, 43 1/2@45c. Tame hay \$8@12.50 prairie, \$4@8; alfalfa, \$8@11.50.

Under the influence of light supplies eggs and poultry held steady all week. Strawberries and green vegetables are quiet as the demand will not stand for hot house prices. Eggs are worth 10 1/2@11c; hens, 10c; springs, 12c; roosters, 20@25c; turkeys, 11@12c; geese, 5c; ducks, 11 1/2c. H. A. POWELL.

South St. Joseph Live-Stock Market.

South St. Joseph, Mo., March 30, 1903. Receipts of cattle last week, 9,253; previous week, 9,317; a year ago, 5,486. The centering of supplies in the East on Monday and Wednesday and the liberal marketing in the West the balance of the week caused a sharply lower trend of prices at all points, the local market showing up with a loss of 10@15c on heavy beefs, and other kinds sold steady to weak. Top for week, \$5.25, with the bulk selling from \$4.75 and above. The supply of cows and heifers fell under the needs of the buyers and prices advanced 10@15c for the good fat kinds while canners and cutters showed no improvement. Heavy, choice natives topped the market at \$4.65. Stock cattle were in heavy supply and the movement to the country free, with values steady with the finish of the preceding week, but 10@15c lower than Wednesday, which was the high point of the season.

Supplies of hogs last week, 28,369; preceding week, 27,540; a year ago, 28,694. The better condition of the country roads and the good advance in values the previous week caused liberal marketing the greater part of the week and trend of prices was lower for the most part, the demand being strong at the prevailing range of prices. Tops to-day were \$7.40, with the bulk selling at \$7.20@7.35. Pigs were in light supply and the demand strong, with

prices ranging from \$5.85@7, according to quality. Offerings in the sheep department last week, 21,840; former week, 16,316; a year ago, 20,407. Colorado, Kansas, Nebraska, and Missouri were the principal contributors, with lambs in heavy majority and sheep in better quota than for the past few weeks. The demand continued vigorous for the good, fat grades of both mutton grades and lambs, and prices advanced mostly 10@15c, while common and medium kinds declined that much. To-day Colorado lambs topped the market at \$7.40, with the bulk selling at \$7.25@7.40; Colorado ewes, of 100 pounds average, brought \$6.15.

Lawrence Seed Market.

Lawrence, Kans., March 30, 1903.

Table with 2 columns: Seed Name and Price. Includes Alfalfa, Timothy, Kafir-corn, Red clover, English blue-grass, Cane seed, and Millet.

Special Want Column

"Wanted," "For Sale," "For Exchange," and small or special advertisements for short time will be inserted in this column without display for 10 cents per line of seven words or less per week. Initials or a number counted as one word. Cash with the order. It will pay. Try it.

CATTLE.

FOR SALE—Four registered Hereford bulls 18 months to 2 years old. Hooper Monroe, Frederick, Rice Co., Kans.

FOR SALE—Ten red Shorthorn bulls, from Scotch-topped thoroughbred non-registered cows, and sired by a Scotch-topped registered bull, a grandson of Imp. Thistle Top. Price from \$50 to \$75. They are dandies; come and see them, and I know you will buy. A. F. Huse, Manhattan, Kans.

WANTED TO SELL—Four registered Hereford bulls, cheap, of Anxiety strain. Yates Bros., R. F. D. 1, Agency, Mo.

FOR SALE—Registered Angus bulls—one 2-year-old. Address R. L. Milton, Stafford, Kan.

FOR SALE—Registered Red Pelled bull, 3 years old, good size, good breeder. Bought from Buskirk herd. Address B. F. Low, Ellmore, Kans.

BOTTOM OUT OF PRICES—Shorthorn bull and heifer calves, red with white marks, at \$50 net, the get of British Lion. D. P. Norton, Dunlap, Kans.

FOR SALE—10 head of registered Hereford bulls, 6 to 20 months old, good individuals, and in good condition. Visitors met at trains if notified. Farm 20 miles southwest of Wichita. A. Johnson, R. F. D. 2, Clearwater, Kans.

FOR SALE—A choice herd of registered Holsteins. Six heifers coming 3 years old, and one yearling heifer from first prize cow. A 2-year-old first prize bull from M. E. Moore's unbeaten 1901 show herd. E. W. Melville, Eudora, Kans.

FOR SALE—My herd bull, Baron Knight 124946, 4 years old, dark red, weight 2,200 pounds, got by Gallant Knight 124468; also three Scotch-topped bulls, 14 months old, and a few cows with calves by side. J. P. Engel, Alden, Kans.

FOR SALE—A few choice Shorthorn heifers and young bulls. M. C. Hemenway, Hope, Kans.

FOR SALE—A few young Hereford bulls from the Evergreen Farm herd, headed by Lee 121232. Address Pearl I. Gill, Great Bend, Kan.

FOR SALE—Guernsey bulls from best registered stock. J. W. Perkins, 423 Altman Building, Kansas City, Mo.

FIVE HEREFORD BULLS FOR SALE—Never used in a herd, they are in fine fix, at a bargain for cowmen. O. L. Thistler, Chapman, Kans.

HORSES AND MULES.

FOR SALE OR TRADE—Carlin 24581, grandson of Geo. Wilkes, 16 hands, 1,125 pounds, fine individual, great sire, sure breeder; sell cheap, or trade for horses or cattle. Price \$400. H. M. Davis, Thayer, Neosho Co., Kans.

FOR SALE—A 2-year-old filly by Novar 26434, by Norval 5335, 2,144, by Electioneer 1:25, sire of seventy standard performers. Dam, Trixie by Pilot Allen, he by Eathan Allen, etc. Beautiful dark bay, solid, black points, heavy tail and main, full of life. Good size and disposition. Address C. C. Seewir, Lawrence, Kans.

FOR SALE OR TRADE—For stock or good jack, imported Belgian stallion, bay, weight 1,775 pounds, sound, foaled March 25, 1888, guaranteed breeder. H. T. Hineman, Dighton, Kan.

FOR SALE OR TRADE—Imported Percheron stallion, black, weight 1,700 pounds, sound and all right; would prefer trading for a jack; will sell very cheap. Address James Haley, Hope, Kans.

FOR SALE OR TRADE—A very fine, large, black jack, 8 years old, a good and sure breeder; will sell him cheap for cash, or will trade for young Percheron stallion of serviceable age, but the trade must be made soon. Address W. Q. Hyatt, the Auctioneer, lock box, 35, Carbonate, Kans.

FOR SALE—Cheap if taken soon, before putting on stand. Black imported Percheron stallion. Sound and guaranteed breeder. J. C. Robinson, Towanda, Kans.

FOR SALE OR TRADE—For young cattle, one Percheron stallion, sure foal getter. J. W. Holsinger, Cottonwood Falls, Kans.

LEAVENWORTH CO. JACK FARM—34 head of jacks and jennets on hand. O. T. Corson, Potter, Kans.

FOR SALE—Seven jacks, three stallions. For further information call on or address F. W. Potts, Potter, Atchison County, Kansas. Barn three blocks north of depot.

PROSPECT FARM—CLYDESDALE STALLIONS, SHORTHORN CATTLE and POLAND-CHINA HOGS. Write for prices of finest animals in Kansas. H. W. McAfee, Topeka, Kans.

SEEDS AND PLANTS.

CANE-SEED—Blending improved varieties; wonderful forage; \$1.80 per cwt., sacked. M. V. B. Kenyon, Downs, Kans.

FOR SALE—A few pounds of penicillaria seed. John Thomas, Homestead, Kans.

SEND FOR price list of strawberry, raspberry, and blackberry plants to Wm. Brown & Sons, Lawrence, Kans., R. F. D. 9.

EXTRA QUALITY ALFALFA SEED—Re-cleaned, sacked, L. e. b., \$8 per bushel. H. C. Stratton, R. F. D. 1, Wamego, Kans.

PLANTS—Strawberry, blackberry, raspberry, gooseberry, grape, currant, rhubarb, etc. J. C. Banta, Topeka, Kans.

FOR SALE—Penicillaria seed, 50 cents per pound. Address orders to Fred Miller, Quincy, Kans.

SEED CORN FREE—Sample and circular telling how to raise more and better corn. John D. Ziller, Hiawatha, Kans.

FOR SALE—250 bushels German millet seed, 150 bushels Siberian millet seed, first class seed. H. W. McAfee, Topeka, Kans.

ANY ONE wishing cedar-trees, please write Murray Weaver, Centerville, Linn Co., Kans. FOR SALE—Golden Yellow popcorn, very productive, excellent for popping, very tender. Packet, 5 cents; 7 pounds, 50 cents. J. P. Overlander, Highland, Kans.

WANTED—Sweet corn wanted. Will pay a good price. Correspond with us. F. Barteldes & Co., Lawrence, Kans.

FOR SALE—300 bushels of sorghum seed. Broekover Bros., Eureka, Kans.

200,000 FRUIT TREES! Wholesale prices; new catalogue. Baldwin, Nurseryman, Seneca, Kans.

FARMS AND RANCHES.

SNAP NO. 6—160 acres, nice 6-room stone house, 10-acre orchard, horse and cow stables, poultry house, 100 acres cultivated, possession any time, 1 mile of Florence, price \$3,200. All sized farms cheap. Write your wants. Garrison & Studebaker, Florence, Kans.

90-ACRE IMPROVED FARM—Also imported stallion for sale or trade for larger farm horse; must make season 1903 on farm. Fred Alexander, Olivet, Kans.

SOME BARGAINS in farm lands in Anderson County, Kansas, in farms ranging from 80 acres up. S. B. Hamilton, Welda, Kans.

FOR SALE—Farms and ranches in central and western Kansas. We have some great bargains in western ranches. Write us. R. F. Meek, Hutchinson, Kans.

Farms, Ranches, Wild, Mineral, Timber Lands. Sell, Trade, We control Millions of acres, Any State. Cheapest, Best, Describe wants. W. W. Gavitt & Co., Bankers & Brokers, Topeka, Kansas.

POULTRY.

NEOSHO POULTRY YARDS—Established in 1882. Buff Orpingtons, Rose Comb R. I. Reds. Eggs, \$1.50 for 15. A few Buff Orpington cockerels for sale; prices reasonable. Our birds do not all score one hundred points, but we have some good ones. J. W. Swartz, Americus, Kans.

PURE-BRED POULTRY—Silver Wyandottes, Buff Wyandottes, Dark Brahmas. Write for terms to M. D. King, Minden, Neb.

FOR SALE—Eggs from prize-winning Barred Rocks, the best I ever owned; my yards contain the first prize cock of the State show 1903; also first prize cockerel and one 93 point cockerel. Eggs \$3 per 15, \$5 per 30. A. C. Rait, Junction City, Kans.

S. C. B. LEGHORNS. Fine strain. Eggs \$1 per 15. J. A. Kauffman, Acme, Kans.

WHITE WYANDOTTES—Stock the best, bred for size and vigor, free range. Eggs, \$3 per 100. Embodened geese eggs, 15 cents each; hatch guaranteed. M. E. Poits, Parsons, Kans.

EGGS FOR HATCHING—From my "Superior Strain" of Barred Plymouth Rocks, noted for size and quality. Fourteen years careful exclusive breeding. 15 eggs, \$1; 30 eggs, \$1.50. E. J. Evans, Box 21, Fort Scott, Kans.

WHITE, LIGHT—White, Plymouth Rocks, the prize-winners at the Kansas State Poultry show, 1903. Remarkable for clear white plumage united with exceptional size and shape. Eggs from our best matings \$2.50 for 15. Usher & Jackson, 1735 Clay St., Topeka, Kans.

BARRED PLYMOUTH ROCK EGGS—\$1 for 15. For further information address Mrs. Ada Ainsworth, Eureka, Kans.

BARRED ROCK EGGS—15, \$1.00; 45, \$2.00. J. P. Dam, Corning, Nemaha county, Kans.

EGGS FROM STANDARD BRED Silver Wyandottes, 100 for \$4. Mrs. J. W. Gause, Emporia, Kans.

FOR SALE—Barred Plymouth Rock eggs, from the best matings, 15 for \$1, or 50 for \$3, 100 for \$5. Mrs. George Manville, Agency, Mo.

MISCELLANEOUS.

AUTOMATIC WAGON JACK—Pulls the wheel out and puts it back; simple, strong, durable; very cheap. State rights for sale. Box 204, Chillicothe, Mo.

WANTED—Single man that understands taking care of hogs, to take charge of hogs, and act as foreman on farm. Write, state wages wanted. E. A. Drumm, Eskridge, Kans.

WANTED—Money to get patent on a quick-selling toy. Will give 25 per cent of what it sells for. Henry Bolte, Webster, S. Dakota.

PITTMAN has invented a Pump that gets water cheap enough to irrigate with, and must sell his ranches on the Arkansas cheap; can't pump and ranch both; 550 acres deeded, 2 mile river front, 3/4 mile back; 200 acres alfalfa bottom, 100 acres natural hay land, fine grove, improved; 450 acres, 80 good bottom, improved; 150 acres, all bottom, improved. W. S. Pittman, Pierceville, Kans.

FOR SALE CHEAP—Pedigreed Scotch Collie pups. W. H. Richards, V. S., Emporia, Kans.

FRANK J. BROWN, Topeka, Kans. Buys and sells real estate and mortgages.

PATENTS.

J. A. ROSEN, Patent Attorney, 418 Kansas Avenue, Topeka, Kansas.

SWINE.

FOR SALE—Tucumseh Wilkes, Poland-China boar, 17 months old. Also S. L. Wyandotte eggs. V. B. Howey, Topeka, Kans., R. R. 5.

A FEW EXTRA NICE Poland-China pigs for sale, farrowed September, 1903, and sired by Dewey, the show hog that won sweepstakes at Coffeyville fair two years ago; can furnish either sex. Address R. J. Conneway, Elk City, Kans.

FOR SALE—Eleven good Poland-China boars. H. W. McAfee, Topeka, Kans.

The Stray List.

Week Ending March 19.

Woodson County—J. P. Kelley, Clerk. STEER—Taken up by J. S. Puckett, in Belmont tp., February 2, 1903, one red steer, white face, under bit in each ear; valued at \$15. Douglas County—Geo. A. Flory, Clerk. MARE—Taken up by C. H. Wilson, in Palmyra tp., February 29, 1903, one small black mare, about 3 years old; valued at \$15.

Week Ending March 26.

Elk County—G. J. Sharp, Clerk. HEIFER—Taken up by J. C. Blair, in Longton, Elk County, Kans., February 27, 1903, one 2-year-old red heifer, muley; no mark or brand; valued at \$15.

Houdans Once Houdans Always.

HOUDANS EXCLUSIVELY.

Great Winter Laying Strain of Line-Bred Prize-Winners.

Won at Kansas State Poultry Show January, 1903, 1st and 2nd cock, 1st, 2nd, 4th and 5th hen, 1st 2nd, and 3rd cockerels, 1st, 2nd, 4th and 5th pullet, 1st pen, largest display scoring over 90 points in a class of 34; H. B. Savage, judge. Winners of grand sweepstakes prize, highest scoring pen over all varieties at Douglas Co. Poultry Show, Dec. 1902. C. H. Rhodes, judge. Winners of 70 association ribbons at six poultry shows, all these winners are of my own raising and entered personally, and now compose my best pen. I can furnish a limited number of sittings at \$2 for 15 eggs. W. L. Bullene, Elm Park Place, Lawrence, Kan.

J. A. CARPENTER, Carbondale, Kans. Breeder of Pure-Bred HEREFORD CATTLE STOCK FOR SALE.

DO YOU WANT \$35 to \$45 per month and board for your labor? Send 12 cents for valuable information concerning wages for different kinds of labor. Careful, attentive men can get above wages the year round. Prompt attention given inquiries about that in which you are interested.

James H. Endsley, ELLENSBURG, WASHINGTON.

CANCER CURED

With Soothing Balmy Oils



MR. M. YANT, OF CRETE, NEB.

No need of cutting off a woman's breast or a man's cheek or nose in a vain attempt to cure cancer. No use of applying burning plasters to the flesh or torturing those already weak from suffering. Thousands of persons successfully treated by this mild method. Cancer tumor, catarrh, ugly ulcers, piles, fistula, and all skin and blood diseases. Write to-day for free illustrated book. Address DR. BYE, Kansas City, Mo.

RUPTURE Cured in 10 days

by the world renowned Rupture Specialist, Dr. O. H. Riggs. No knife. no ligature, no danger. The patient is required to come to the doctor's office, and by a novel process the rupture is closed and in 10 days he can return home sound and well. Call or write and enclose 2c stamp for booklet. Address,

DR. O. H. RIGGS, 205 Altman Bldg., Cor. 11th and Walnut Sts., Kansas City, Mo.

RUPTURE SEELEY'S SPERMATIC SHIELD TRUSS

CLOSES THE OPENING IN TEN DAYS. Avoids pressure on Pubic Bone. Send for Booklet. I. B. SEELEY TRUSS ESTABLISHMENT, Box 46, 184 Dearborn St., Chicago.

VARICOCELE

A Safe, Painless, Permanent Cure GUARANTEED. 30 years' experience. No money accepted until patient is well. CONSULTATION and valuable BOOK FREE, by mail or at office. DR. C. M. COE, 915 Walnut St., Kansas City, Mo.

CANCER and tumors cured (mild cases in one hour); no pain; no knife or burning plaster; patients return home same day; investigate; if not as represented I will pay your expenses; cancer symptoms, references and consultation free. DR. M'LAUGHLIN, 808 Junction bldg., 9th & Main Sts., Kansas City, Mo.

LADIES My Regulator never fails. Box FREE. DR. F. M. AY, Box 31, Bloomington, Ill.

BED-WETTING CURED. Sample FREE. DR. F. E. MAY, Bloomington, Ill.

Gossip About S

(Continued from p property of the delegation awarded and it goes with after this meeting Kansas other new banner.

Will H. Rhodes, Tampa, Ky., Kansas, proprietor of Herd of Imported and Herefords and Berkshires, the Berkshire trade has during the past few months week's sale included one of Harms, Haven, Kan; one of W. B. Norris, Raymond, A. A. Graham, Ulysses, Kan; ham is brother to I. D. (Kansas Farmer); sow to M. tromft, Naperville, Ill.; Duseabark & Billard, El "The Kansas Farmer sold me," says Mr. Rhodes, "I have good Hereford bulls ready for I am pricing so as to move They are all sired by Java 100223."

On Thursday of last week field, Wis., there was held sale of Shorthorns which successful. The forty-five brought \$7,680, average of these were females \$16.675, and the ten bulls \$1. This was distinctively a no sale and the contributors feel satisfied with their verice that Mr. Frank W. prietor of the Anoka Her Wis., was a contributor of These were Imp. Blinkbor went to Robt. Freeman, M for \$420, and Imp. Calceol was taken by the same Mr. Harding is also a b sheep and his card will be 397 of this issue.

Ridgeview Farm, belongin ing Bros., breeders of L Berkshires, R. F. D. No. Kans., notify us of a des their advertising card on pa of the fact that they were ly sold out as at present. Th the choice animals which t been so great that they are out of bred gilts and are st ders which they can not f offering still a few fall pig ing orders for pigs of spring they have in numbers and doing well. Pigs which w Dec. 18, are now making pounds per day, in spite of they were taken from the only 3 days old. It seems who can breed good Berks of a good business provided them fast enough.

One of the attractive fea last biennial report of the Board of Agriculture was its of typical pure-bred anim these we notice a portrait of 138892, belonging to D. P. No lap, Morris County, Kans. is shown on page 41 and cellent and lifelike picture Shorthorn sire. Another pol lies in the fact that just no has a few good calves by he is offering at ridiculous, considering quality and Norton informs us that all has ever sold that was sire Lion has proved satisfactory chasers and this, in itself, commendation both for the man. Write a letter to D. F ask him his prices on Briti and it will pay.

The Angus sale held at March 24 and 25 under the Chas. Escher proved to be The bulls made an average the cows and heifers aver Parker Parrish & Miller, H sold four females and two round prices. Their Queen Lafayette, brought \$200 and Turner, Lennox, Ill. The cor C. D. Hooker & Son, Ma Oliver Hammers, Hillsdale, Miller, Metz, Iowa; Geo. S Waterville, Kans.; W. H. Ke Neb.; Chas. Escher Jr., Co Iowa; J. H. Mayne, Council ker, Parrish & Miller, Hu G. R. Pearsons, Goldfield, Lov Creary, Highland, Kans.; drews, Maryville, Mo.; E. Son, Prophetstown, Ill.; an Beekman, Atlantic, Iowa.

Mr. John M. Copeland, who herd of Shorthorns that was lished at Tecumseh, Ill., in 188 that his cattle have come winter in fine shape and that having some excellent sales sold two heifers to Geo. Cu Kans.; one bull to J. Harsh Kans.; one to M. Murra Kans.; one bull to Jacob Fra one bull to Chas. Pilcher, Gla to David Swank, Milo; one McCurry, Milo; and a bunch and eight heifers to Mr. W Delphos. Mr. Copeland has young bulls left that are old service. One of these is a Lord Mayor and is good enou good herd. He has a few with calves at foot that he a very reasonable figure and any one desiring to purchase horn blood to correspond wit land. His card is on page 39

Although he disclaims an ability, Mr. Ell Elliott, of W Iowa, made one of the mos of the speeches at the Fri meeting of the "horse week" ricultural College. Mr. Ellio been an importer and breeder ponies, as well as of draft he has a very large fund o from which to draw. Just lott has a consignment of dr from the big Singmaster bre Keota, Iowa, that he has Manhattan to sell. These s from 3 to 6 years of age. F are Percherons, one an imp and one Shire, and they are colors and weigh from 1,500 to The only pure-bred horses o Agricultural College are tw Percheron mares bought of & Son, and the consignment

Breeders' Directory

DUROC-JERSEY SWINE.

D. TROTT ABILENE, KANS., famous Du- roo-Jerseys, Poland-Chinas- Registered Stock, DUROC-JERSEYS, contains breeders of the leading strains, N. B. SAWYER, CHERRYVALE, KANSAS.

G. W. BAILEY, BEATTIE, KANS. For Sale, G. Famous Pedigreed Duroc-Jersey Swine. Reg- istered Scotch Terrier dogs. Fine, y ung stock 6 months old. Nosegay Foxglove at stud. Correspond- ence solicited.

MAPLE AVENUE HERD J. U. HOWE, WICHITA, KANSAS. Farm 2 miles west of city on Maple Ave. DUROC-JERSEYS.

FAIRVIEW HERD DUROC-JERSEYS No stock for sale at present. J. B. DAVIS, FAIRVIEW, BROWN CO., KANSAS.

DUROC-JERSEYS. Duroc-Jerseys For Sale—Choice July, Aug., and Sept. pigs for sale, both sexes. Prices reasonable. Newton Bros., Whiting, Kans.

Large-boned and Long-bodied Duroc-Jerseys I have some choice fall pigs for sale. If you are looking for something good, write for prices. E. S. COWEE, R. F. D. No. 1, CARBONDALE, KANS.

DUCK CREEK HERD OF Duroc-Jersey Swine. 200 head to choose from. Write us your wants. Mitchell Bros., Buxton, Wilson Co., Kans.

ROCKDALE HERD OF Duroc-Jersey Swine Everything is sold except a few pigs of September farrow. Am also offering one of my herd boars for sale. J. F. CHANDLER, Frankfort, Kansas.

Imhauser & Co.'s Long and Large Boned Duroc-Jersey Hogs. Have some choice fall pigs for sale. If you are looking for something good, write for prices, etc. Also cultivators of Ginseng—greatest money-making plant grown. J. E. IMHAUSER & CO., R. F. D. No. 4, SEDALIA, MO.

Standard Herd of Registered Duroc-Jersey Swine, Red Polled Cattle, and Angora Goats. Swine herd headed by Big Joe 73631 and Ohio Chief. Cattle herd headed by Kansas 5808. All stock reserved for October sale. PETER BLOCHER, Richland, Shawnee Co., Kans.

Golden Rod Herd Prize-winning Duroc-Jerseys VAN'S PERFECTION 11571, sweepstakes boar at all State Fairs of 1902, at head. Everything reserved for my great bred sow sale, February 19, 1903. GILBERT VAN PATTEN, Sutton, Neb.

POLAND-CHINA SWINE. Kansas Herd of Poland-Chinas Has some extra fine gilts bred; also some fall boars. Will sell Sem. I Know, he by Perfect I Know. Address— F. F. MAGUIRE, HUTCHINSON, KANS

PEOAN HERD OF Poland-Chinas. Our boars of serviceable age are all sold, but we have a number of good ones of Sep- tember and October farrow; also a fine lot of bred gilts, sired by Model Tecumseh 64133, J. L.'s Best 70655, and U. S. Wilkes 25821. J. N. WOODS & SON, R. F. D. No. 3, Ottawa, Kansas

..Oak Grove Herd.. OF PURE-BRED Poland-Chinas For Sale—A few choice Boars and 50 Gilts, some bred for early spring farrow. Write, or come and see.... GUS AARON, R. F. D. 5, Leavenworth, Kans

SHADY BROOK STOOK FARM POLAND-CHINAS. I keep constantly on hand all sizes and ages of high-class Poland-China pigs. Quality high, prices low. Write for description and price to H. W. CHENEY, North Topeka, Kans.

THOROUGHbred Poland-China Hogs I am cleaned up on boars and bred gilts. I have some nice open June gilts and can spare a few yearling bred sows. Orders booked for spring pigs by Keep On 61015, Imperial Chief 3d 28978, Black Perfection 27132, and Corwin Improver 25768. On Missouri Pa- ette R. R., one mile west of Kickapoo, Kans. JOHN BOLLIN, R. F. D. No. 5, Leavenworth, Kans.

POLAND-CHINA SWINE. Dietrich & Spaulding, Richmond, Kas. For Sale—Choice bred POLAND-CHINA GILTS safe in pig to our great herd boars. Also extra good fall pigs, boars, and gilts.

Shady Lane Stock Farm HARRY E. LUNT, Proprietor, Burden, Cowley Co., Kans. A few choicely bred Poland-China Boars for sale, some choice open gilts and bred sows

Elmdale Herd of High-Class POLAND-CHINAS Shawnee Chief 28502 at head of herd. Some choice bred gilts only for sale, bred to a Perfection boar. W. L. REID, Prop., R. R. 1, North Topeka, Kas.

Providence Farm Poland-Chinas. Correct by Corrector, Perfection Chief 2d by Chief Perfection 2d, Jewell's Silver Chief, and Kron Frins Wilhelm, herd boars. Up-to-date breeding, feeding qualities, and large, even litters in this herd. Young stock for sale. J. L. STRATTON, One mile southwest of Ottawa, Kans.

Meadowbrook Poland-Chinas Herd boars; American Royal and choice goods for sale. Bred sows and gilts. Also two boars by Corrected. Quality and prices are right. Call, or address J. R. Killough & Sons, OTTAWA KANSAS.

CHOICEST STRAINS ...OF... POLAND-CHINA HOGS 400 head in herd. Fashionably bred sows and gilts bred to Broad Gauge Chief 25733, first prize winner International Show, 1900, and Simply O. K. 24290, first prize winner Missouri State Fair 1901. 200 winter and spring pigs in special offer. Bargains in registered Stallions and Mammoth Jacks. Also SHORTHORN and POLLED DURHAM CATTLE.

CHESTER WHITE SWINE. D. L. Britton, N. Topeka, Kans BREEDER OF Improved Chester Whites Stock For Sale. Farm is 2 miles northwest of Reform School.

The Crescent Herd O. I. C. WHITE The World's Best Swine Some choice spring boars ready for service, and Gilts bred, for sale. This stock is for service, and Gilts bred, for sale. Every hog guaranteed. Write for prices and Free Delivery proposition. JOHN W. ROAT & CO., CENTRAL CITY, NEBRASKA.

BERKSHIRE SWINE. Knollwood Farm Herd BLUE BLOODED IG BONED BROAD BACKED BERKSHIRES... Young stock of all ages and both sexes, and bred sows for sale. E. W. MELVILLE, EUDORA, KANSAS.

Fall Berkshire Boars FOR SALE, QUICK, AT A REASONABLE PRICE We have for sale a few choice yearlings, sired by Baron Duke 30th 50017, he by Baron Lee 4th 32444, and out of Duchess O 35th 25653. The dams of these boars are of the most desirable strains of the most desirable strains of the most desirable strains. Address Inspection or correspondence desired. ACHENCACH BROS., Washington, Kas., Breeders of Berkshire Swine, Double Standard Polled Durham Cattle, and W. P. Rock Chickens.

EAST LYNN HERD OF LARGE ENGLISH BERKSHIRES Herd headed by Premier 4th 55577 assisted by Butger Judge 3d 61106. ONLY THE BEST. Imp. Lady Nina 4th 44853, the highest priced Berkshire ever sold in Kansas City, is in our herd and there are others like her. Inspection invited six days in the week. WILL H. RHODES, Tampa, Marion Co., Kans. You should take advantage of our "Stocks of Two" offer on first page.

BERKSHIRE SWINE. Large English Berkshires Sold out of bred gilts; only a few fall pigs. Orders booked for spring farrow. Manwaring Bros., R. R. 1, Lawrence, Kans. Telephone 222-2.

CATTLE. ENGLISH RED POLLED CATTLE—Pure bred U Young Stock For Sale. Your orders solicited. Address L. K. HASELTINE, DORCHESTER, GREEN CO., MO. Mention this paper when writing. MEADOW BROOK SHORTHORNS—Ten fine young bulls for sale—all red. Red Laird, by Laird of Linwood, at head of herd. F. C. KINGSLEY, Dover, Shawnee County, Kansas.

D. F. NORTON'S SHORTHORNS. DUNLAP, MORRIS CO., KANS. Breeder of Pure-bred SHORTHORN CATTLE. Herd bull, Imported British Lion 133692. Young stock for sale.

Shorthorn Bulls For Sale From the Valley Grove Herd. An extra good lot, reds and roans, sired by Lord Mayor 112727 and Knight's Valentine 157068. Also Poland-China swine. Have just purchased the entire show herd of POLAND-CHINA SWINE of the late F. J. Knappenburger, of Penola, Kansas. Call on, or write to R. J. SIMONSON, Mgr., CUNNINGHAM, KINGMAN CO., KANS

Ruby Red Herefords. 15 FINE, YOUNG BULLS FOR SALE. Socrates 75813, a mammoth, dark red sire, smooth, low, of great frame, drooping horns, and descended from Lord Wilton, The Grove 3d, Horace, and Garfield. The dams are choice, and descend from Lord Wilton, Anxiety 3d, Earl of Shadeland 25d, Horace, The Grove 3d, Heistod. A few grade bulls on hand. Also Poland-China swine. Have just purchased the entire show herd of POLAND-CHINA SWINE of the late F. J. Knappenburger, of Penola, Kansas. Call on, or write to R. J. SIMONSON, Mgr., CUNNINGHAM, KINGMAN CO., KANS

Shorthorn Cattle For immediate sale, 12 bulls ready for service, and 12 bull calves. Also 20 cows and heifers, 1 to 7 years old. Give me a call, or address H. R. LITTLE, Hope, Kan.

Corrector Herefords. A few choice yearling and 2-year-old heifers bred to one of Corrector's best sons for sale very reasonably; also some 4-year-old cows with calves at foot and rebred, and just four bulls under 1 year out of Lord Wilton and Grove 3d cows. Visitors welcome. Correspondence prompt. WM. TIBBLES, Haddam, Washington Co., Kans.

Red Polled Cattle of the Choicest Strains and good individuals. Young animals, either sex, for sale. Also breeders of.... Percheron Horses, Improved Chester White Swine, Bronze Turkeys, and Plymouth Rock Chickens. Address G. C. BARTLETT, R. F. D. No. 5, Wellington, Kans.

..Hazford Herefords... Herd headed by the young show bull, Protocol 2d 91715, assisted by Major Beau Real 71621, a nephew of Wild Tom. Females largely the get of Bernadotte 2d 71834. A few choice young bulls for sale. Robt. H. Hazlett, Eldorado, Kansas

THE SUNFLOWER HERD PURE-BRED Angus Cattle. Herd headed by XALE LAD 20645. Herd numbers 250 head, the largest herd bred by owner in America. Stock for sale. Address PARRISH & MILLER, Hudson, Stafford Co., Kans.

Cherry Creek Herd Pure Scotch and Scotch-topped Shorthorns Imported Scottish Knight 136371 heads the herd. All sale animals reserved for the great South Omaha sale on March 13, 1903. H. W. WEISS, Formerly of Sutherland, Iowa. Westphalia, Kas

Elder Lawn Herd Shorthorns Headed by GALLANT KNIGHT and Imp. Tilly Cairn. Bulls, Cows, and Heifers, for sale at bargain prices. Can supply females in car-load lots if desired. Some show yard material. T. K. TOMSON & SONS, Dover, Shawnee Co., Kans

CATTLE. POLLED DURHAM CATTLE. 20 head of both sexes. Bulls of serviceable age and young cows bred. Eligible to two records. Correspondence solicited. A. E. BURLEIGH, KNOX CITY, KNOX COUNTY, MO.

COBURN HERD OF RED POLLED CATTLE. Herd now numbers 115 head. Young bulls for sale. Geo. Greenmiller & Son, Centropolis, Franklin Co., Kans

VERMILLION HEREFORD CO., VERMILLION, KANSAS. Imported Alberta 2d blood. Boatman 56011 at head of herd. A few excellent, young bulls for sale. E. E. WOODMAN, Vermillion, Kans.

Weston Stamp Herd REGISTERED... HEREFORD CATTLE. Anxiety 4th females with Weston Stamp 6th at head WM. ACKER, VERMILLION, KANSAS.

ESKDALE HERD OF Aberdeen - Angus Cattle. YOUNG STOCK FOR SALE. JAMES FRATER, Fredonia, Wilson Co., Kans.

MODEL BLUE GRASS FARM HEREFORDS. Stock For Sale. OVERTON HARRIS, Harris, Mo

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Glenwood Herds SHORTHORN CATTLE POLAND-CHINA HOGS VICTOR OF WILDWOOD 128054, a pure Oriskany-shank-Orange Blossom in service. Females of high quality, pure Scotch and Scotch-topped; choice bulls for sale; also females. C. S. NEVIUS, Prop., CHILES, MIAMI COUNTY, KANSAS. 40 miles south of Kansas City, on Missouri Pacific Railroad. Telephone at farm

..Clover Cliff Farm... REGISTERED GALLOWAY CATTLE Also German Coach, Saddle, and trotting-bred horses. World's Fair prize Oldenburg Coach stallion Habbo, and the saddle stallion Rosewood, a 15- and 1,100-pound son of Montrose in service. Visitors always welcome. BLACKSHIRE BROS., ELMDALE, CHASE COUNTY, KANSAS.

E. H. WHITE, ESTHERVILLE, IOWA Importer and Breeder of GALLOWAY CATTLE Herd Foundation Stock A Specialty. A Few Choice Females and 14 Bulls For Sale. Inspection or Correspondence Invited.

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..THE.. N. MANROSE.. Shorthorns Rural Route 5, Ottawa, Kans. Gilts-pur's Knight 171591, at head of herd. Young bulls ready for service for sale.

REGISTERED HEREFORDS FOR SALE. We offer 30 head of well-bred cattle of the leading strains of breeding, young stock, all sired by our Herd Bull, Gudgeon (94011), who is a son of the noted Corrector; cows of Anxiety Lord Wilton breeding, which are as follows: Lot No. 1—Our herd bull, Gudgeon 94011; lot No. 2—9 bulls, 11 to 20 months old; lot No. 3—12 heifers, 11 to 20 months old—4 are bred, and more will be soon; lot No. 4—8 cows, 5 to 8 years old—4 have calves at foot, 1 to calve soon, and 3 to calve in April. All the above stock is in fine fix and are not culis, but a good, strong, and useful lot of cattle. E. A. Eagle & Son, Rosemont, Kansas

Sunflower Herd of... SCOTCH and SCOTCH-TOPPED Shorthorn Cattle, Poland-China Swine. Two Scotch bulls in service. Representa- tive stock for sale. Address Andrew Pringle, County, Kansas. Ekridge, Wabunsee

CATTLE.

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The Oldest and Largest in the United States... Allendale recently imported bulls at head of herd...

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Up-to-date Galloway Cattle, All Ages, For Sale. Personal Inspection or Correspondence solicited by W. MOODY, Breeder, ATLANTA, MO.

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Due to the death of my brother, Mr. E. J. Buram now offering to close out the entire herd of Standard Polled Durhams, Shorthorns, and 1 of 150 native cows bred to Double Standard Parties...

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WORTHORN CATTLE, BERKSHIRE WINE, and SHROPSHIRE SHEEP... constitution and lung capacity gained in altitudes. A few select young swine and sheep.

Brook Breeding Farm.

WORTHORN CATTLE and ANGORA GOATS. Bull, IOWA SCOTCHMAN 2d 138687. Write for what you want. Address J. Tudor, Holton, Kas

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Stress Valentine 157771 and Mayor at head of herd. Larkin's Duluth and King at head of Saddle Horse Herd. J. F. TRUE & SON, Perry, Kansas. Ad Station, Newman, Kansas.

Registered Herefords.

THOS. EVANS, Breeder, Hartford, Lyon County, Kansas. A load of bulls, 1 and 2 years old; one cow, 1 and 2 years old; a few cows with side for sale.

COPELAND'S Shorthorns

Head of Scotch-topped Young Marys, Floras, Ianthas, and Britanias. Minister 2d 160171 herd. J. M. COPELAND, Glasco, Cloud County, Kansas.

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Bull for sale—Acomb Duke 18th 142177, looking after; also 13 young bulls of service, and eight young cows with Acomb Duke 18th. Inspection in A. M. ASHCRAFT, R. R. No. 3, Atchison, Kans.

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I will sell in lots to suit purchasers, 100 choice registered herefords, which include 12 bulls of serviceable age, cows bred, heifers bred and unbred and calves. Will make the subject to buyers. Will sell anything herd bull. Come and see me, or address B. Clark, Geneseo, Rice Co., Kans

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Used my herd bull on my small northorn cows as long as practical I for sale or trade. He is out of a pure cow and by a pure-bred Crulok hank wanted a breeder and all right. For address DR. C. M. COE, Walnut St., Kansas City, Mo.

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WILTONS." Bulls in service are March On 14th 106676, and Good Sign public offering at Sioux City, Iowa. date. You had better get some Printer le you can. They will be higher than a after this year. Paste this in you hat. W. W. GRAY, Fayette, Missouri

CATTLE.

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ONE CAR EACH OF GALLOWAY BULLS AND HEIFERS. Call on, or address, W Guy McCandless, Cottonwood Falls, Kas

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Young stock by the roan champion bull John Ward 159491 and by the present herd bull Barmpton Knight 148795. Choice breeding, good individuals, and square dealing. Address E. D. LUDWIG, Rural Route No. 2, Sabetha, Kansas.

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Choice lot of rams and ewes—both Canadian and home bred—for sale. Can supply car lots. Write for our low prices.

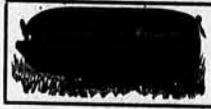
A BARGAIN IN Shropshires

80 head of registered ewes, bred to imported rams; 15 head of high-grade ewes, bred to a good registered ram; 6 head of English imported ewes, bred by Hardin and Minton; 45 head of lambs, rams, and ewes from imported sires; 40 head of 1- and 2-year-old rams; 4 head of yearling rams from imported sires and dams; also 3 head of ram lambs from same; 2 head of yearling ewes and 3 head of ewe lambs from imported sires and dams. These sheep must be sold before March 1. Write your wants at once and get bargain prices. The stock will go at a very low figure to a quick buyer. G. C. HAYWARD, E. F. D. No. 3, Tama, Iowa.

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200 Head in Herd. Herd Bulls now in use are sons of Don Carlos 33734. 24 Young Bulls ready for service for sale. D. L. TAYLOR, SAWYER, PRATT COUNTY, KANSAS.



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102 Black Jacks and some bred Jennets, Mammoth and Spanish, 14 to 16 1/2 hands. Registered trotting and saddle studs. Everything for sale low now. Come or write for prices on what you want. G. A. FEWELL, Lecton, Johnson Co., Mo.

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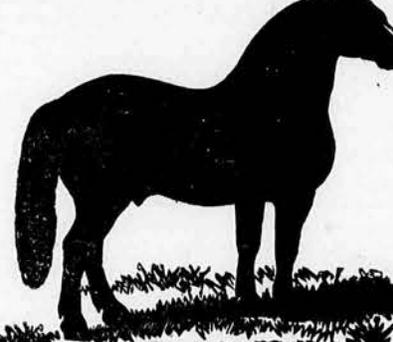


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For Sale—Fifteen young stallions and a few mares. Inspection and correspondence invited.

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Of Mississippi—Specially Adapted to the Raising of

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WESTPHALIA, ANDERSON CO., KANS., and see what it will do if you want a Registered Percheron or Coacher or a big, black, heavy-boned Mammoth Jack or Jennet. All stock guaranteed as represented.
P. S.—A few high-grade Stallions very cheap.



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IMPORTER AND BREEDER OF

German Hanoverian and Oldenburg Coach Horses

In order to make room for stallions, will sell 30 mares from 1 to 3 years old, at a bargain. Telephone 292.

Best Terms and Long Time Given Responsible Parties.

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Stallions of all ages for sale.

Both imported and home bred.

Prize-winners both in Europe and America.

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Ours were the Favorite Percherons at the recent International Live Stock Exposition, Chicago. Five of our importations won First Another one of ours won Championship.

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