

KANSAS FARMER

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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

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

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ADVERTISING RATES.

Display advertising, 15 cents per line, agate (fourteen lines to the inch). Continuous orders, run of the paper, \$1.54 per inch per week.

Special reading notices, 25 cents per line. Business cards or miscellaneous advertisements will be received from reliable advertisers at the rate of \$5.00 per agate line for one year.

Annual cards in the Breeders' Directory, consisting of four lines or less, for \$16.00 per year, including a copy of the Kansas Farmer free. Special rates for displayed live stock advertising.

Special Want Column advertisements, 10 cents per line of seven words per week. Cash with the order. Electro must have metal base.

Objectionable advertisements or orders from unreliable advertisers, when such is known to be the case, will not be accepted at any price.

To insure prompt publication of an advertisement, send cash with the order; however, monthly or quarterly payments may be arranged by parties who are well known to the publishers, or when acceptable references are given.

All advertising intended for the current week should reach this office not later than Monday.

Every advertiser will receive a copy of the paper free, during the publication of the advertisement. Address all communications to

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 demand for alfalfa hay in the Topeka market tells of a recognition of the value of this forage. Dealers complain that they are unable to ob-

yearly income of the State and at the same time increase the productiveness of the soil and eradicate many weeds. But, when?

THE STATE OF CUBA?

It was sure to come. The proposition is now made to invite Cuba to become a State of the Union with Porto Rico as a county of the new State.

When this country went to war with Spain on Cuba's behalf, Congress

serious business? Presently it was admitted that alternation of work and play might be beneficial. In higher institutions of learning where close observations of the achievements of students make comparisons possible, the encouragement of athletics has become a part of the regimen.

The best work that it done by students is not by those who mope over their books most, who wear solemn countenances always, and who never manifest the exuberance of youth. On the contrary, those of whom their instructors are proud are the youths of enthusiasm on the playground as well as attention in the class room; those who turn with a relish from hard study to vigorous sport are found to be those who in season turn more efficiently to study.

One of the most pronounced recognitions ever accorded to the place of athletics in the college was that given by Washburn College, at Topeka, last Friday. The football season has received its due attention from the Washburn team. This has been rewarded by triumph in every game played. The team had just beaten the Missouri State University team on their own grounds at Columbia, and expected to arrive in Topeka at about midnight last Thursday. President Plass, of Washburn, proposed to the students that the team be telegraphed to rest over night at Kansas City and reach Topeka at 10.30 Friday morning. This and other parts of the plan met the hearty approval of the students. On Friday the team was met at the station by the entire student body and most of the faculty. A wagon was at hand for the football players. The horses were detached and the

young men drew the wagon through the streets of the city and to the college, a distance of over three miles. The lady students were present with their colors, and the college band gave a martial effect to the occasion. The enthusiasm of numbers was manifest. The occasion was in every way an enjoyable one and the college spirit was promoted.

Such recognition of the place of athletic sports is healthy. Corresponding recognition in the family and in the community, of the necessity of relaxation and play for their own sake and the sake of the good they do, would tend to the production of stronger, more efficient men and women, to better health and longer lives, to greater achievements and more joy and good in the world. The young must play; the old had better.

TRANSIT TO THE INTERNATIONAL ALL RIGHT.

Visitors to the International Live Stock Exposition will suffer no inconvenience. (Continued on page 1214.)



Imported Percheron and Chief Herd Stallion of J. W. & J. C. Robison, of Towanda, Kans.

tain stocks of seasonably cut and properly cured alfalfa. Its feeding value for cows is very nearly that of bran.

The nice open fall in Kansas has been favorable to the progress of farm work. Snow or rain about Thanksgiving would not meet serious objections from the majority of farmers.

Prof. C. F. Curtiss, of the Iowa Agricultural College, has issued the call for the first annual convention of the National Plant and Animal-breeders' Association to meet in St. Louis, December 29 and 30.

The United States of Colombia intimates that the United States of America is liable to get into several kinds of trouble on account of the Panama incident. Nevertheless, that Panama Canal is likely to be dug.

Whenever Kansas shall attain the same regard for sheep that she now has for the dog, the aforesaid gentle animal stands ready to add a few hundreds of thousands of dollars to the

pledged the Nations of the world that it was not a war of conquest. This pledge has been kept as regards Cuba. But the mutuality of Cuban interests with ours, her dependence upon this country for defense, and our need of fuller control of the entrance of the Caribbean Sea on account of the ship canal we are about to construct, all point to eventual perfect union of the rich island with this country. Our invitation at this time to join us, and Cuba's acceptance, all after she has become a member of the family of Nations, could scarcely be construed as violating our pledge to abstain from conquest.

PLAY.

Not so very long ago, schoolmen thought it about the most important part of their duty to suppress the ever-present disposition of the boy to play. Later, it has dawned upon some thinkers that Americans are becoming a Nation of dyspeptics. The suggestion that we take life too seriously, at first met with disfavor. Is not life a

Agricultural Matters.

The Hired Man.

EDITOR KANSAS FARMER:—I have long looked in vain for a letter in your columns from the women-farmers on the hired-man question, knowing that the FARMER has hundreds of readers interested in this subject. Had I written this letter fifteen years ago, when I was young and inexperienced with both farming and hired help, and knew myself and my neighbors less perfectly than now, I should have sent up such a wall as this: Oh, for a hired man who will do right by me, not slight his work, abuse everything on the place, both animate and inanimate, and be respectful to me!"

That was the mistaken idea I entertained for the first five years of my struggle to provide a living for myself and little ones by farming. Very slowly and sparingly at first the light came to me. Now I find that at least three-fifths of the hired men are doing their best to serve me to the extent of their knowledge. "An angel can not do more."

The trouble between women employers (and men, too) and their hired help in most cases comes from over-interested neighbors. Hardly a day passed but some one of my neighbors found fault with my hired man—not always meaning to do this—by such remarks as: "Are you paying Jim by the job or by the day?" When I anxiously asked the reason, the reply, if it happened that my neighbor were very slow himself, usually implied that I would be in luck if I got that corn in by fall. On the other hand, if he were swift, I was led to fear that my teams were being worked to death. Or it might be a doubtful remark about the amount of seed per acre, the depth of the plowing, crookedness of rows or fences, or a hundred other things that can be mentioned in a friendly way but would only serve to throw me into a state of nervous worry. Right here let me say, worried, fretful men or women can not expect to control others successfully if they do not control themselves. And we can control ourselves in most or nearly all cases if we will.

Experience teaches me that my friend(?) who constantly watches and question my hired man or woman only to sow seeds of distress and worry in my mind is not the friend he really intends to be but my worst enemy.

I find the best hired man to be a boy or young man; he is willing to do my way and is trying to learn. No two human beings hold just the same opinions with regard to anything; so,

If I find that my man delights in putting on the last straw that my teams can haul, or is training my horses for the race-track on the way to and from the field, or is brutal to them, I find a little gentle council, a friendly talk, better than a sharp scolding in which both parties are usually too angry to be reasonable.

When they realize that you feel a little kindly interest in them aside from the work they do, the number of men who will abuse your trust and confidence in them is small. Do not forget that they are some mother's much-loved sons, and as you would like your own treated, so treat hers.

Once in a while I have a neighbor who kindly tells Jim of the way I abuse him and abridge his rights, or in other ways seeks to make him discontented. This can be easily remedied by not talking over the faults of our men with our friends any more than we would those of our children.

My solution of the problem is, talk less to outsiders of the faults of the hired man, and talk gently and reasonably to him of them. Of his good points, be not sparing in mentioning both to their owner and to others.

I would appreciate hearing from others on this subject and anything else pertaining to the happiness of the human family. Mrs. B. R. A.

Dickinson County.

Grow Pop-corn.

EDITOR KANSAS FARMER:—Any one who will give pop-corn a fair trial will never let a season pass without planting a good patch. I have been growing it for seven years and like it better every year. The kind I raise is an extra large variety, the ears are almost as large as small field-corn; the stalks are large, yielding as much fodder as field-corn and containing far more nutrition. I can raise more feed and better feed to the acre planted in pop-corn than anything else I ever tried. On good ground, this corn will make from two to four ears to the stalk, with three and four stalks to the hill. I have never planted a big crop of it as I am a photographer and do not depend altogether on the farm for a living, but have raised from a quarter to half an acre every year for seven years. I have been improving my seed all the time and think I have got it about as nearly perfect as is possible to get it. I have a fine lot of choice seed, and if any farmer who reads this wishes to get a start of this corn, I will send him a bunch by mail, if he will write for it. I got the start of this variety of pop-corn from an old Indian while traveling in northwest

Texas. He told me he had been raising it for thirty years, and that it always made a crop when other corn failed. He said poultry fed on it would never have cholera. I have not lost a fowl with cholera since I have been raising it. If you will plant it thick and cut and feed it, stalk and all, to your cows, you will get plenty of milk, the kind of milk that will make butter.

If any one writes to me for seed, kindly send stamps for postage. Newton, Texas. B. F. PEREGO.

The Western Kansas Irrigation Association.

To the people of Western Kansas:—We wish to call your attention to the annual meeting of this association at Garden City, Kans., December 9, 1903. Every man, woman, and child should be interested in irrigation who lives in western Kansas. Come to this convention and have your say on what should be done for irrigation in Kansas.

The basis of representation in the west half of Kansas is:

One delegate from each county seat, appointed by the mayor.

Two delegates from each county, appointed by the county commissioners.

One from each ditch company.

One from each agricultural society.

Two from each commercial club.

Good speakers have been invited and will be here to speak on our needs of irrigation. See that delegates are appointed and attend the convention. Railroad rates have been asked for.

I. L. DIESEM, President.

R. M. LAWRENCE, Chairman Ex. Com.

Wants a Rat-proof Corn-crib.

EDITOR KANSAS FARMER:—I have read with interest the controversy over the English sparrow. I have been looking for the tender-hearted readers of the "old reliable" that think so much of the sparrow, to take issue in favor of the rat. I have considered one pest about as bad as the other until this fall the rat seems to outdo the sparrow. Everybody has rats this fall. I have spent \$3 for poison and I think the killed have cost me about 25 cents each. I would like to know if the readers of the KANSAS FARMER have a remedy that will exterminate the rat. I would like a plan for a rat-proof corn-crib. Would a cement floor be all right? J. F. RANKIN.

Johnson County.

Speltz.

EDITOR KANSAS FARMER:—I am much interested in the columns of the FARMER, particularly in the experience of those who are growing different grains and grasses.

As I have not read much from the

THE CAMEL'S HEAD.

"Where the camel's head goes his body follows," says an Oriental proverb. It's the same way with disease. A small opening will give it an entrance and when disease once has a place in the body a large number of ills may follow it.

The opening for disease is often found in a "weak" stomach. When the stomach is "weak" the body also becomes weakened by lack of nutrition, and disease attacks the heart, liver, lungs, kidneys and other organs.

Dr. Pierce's Golden Medical Discovery makes the weak stomach strong. It cures diseases of the stomach and other organs of digestion and nutrition, and so enables the body to resist or throw off other diseases.

Men and women who are sick are invited to consult Dr. Pierce, by letter, free, and so obtain without charge the opinion of a specialist on their ailments. All correspondence strictly confidential. Address Dr. R. V. Pierce, Buffalo, N. Y.

"For the past two years I have been a very sick woman," writes Mrs. Chesley, of 108 Woodland Ave., Cleveland, Ohio. "I tried medicines from doctors and to no avail. At last I decided to try Dr. Pierce's Golden Medical Discovery. When I started I was all run-down and had a very unpleasant taste in my mouth. Was choked up, and at times it was very hard for me to breathe. I had severe headaches and cutting pains in my knee joint. Was so weak I could not attend to my work nor walk up or down stairs without the assistance of my brother or some friend. I am now taking the fourth bottle, and am happy to say I feel like myself again. I can go up and down stairs and perform my duties as well as any one. Everything seems to be brighter, and I can assure you that life is worth living."

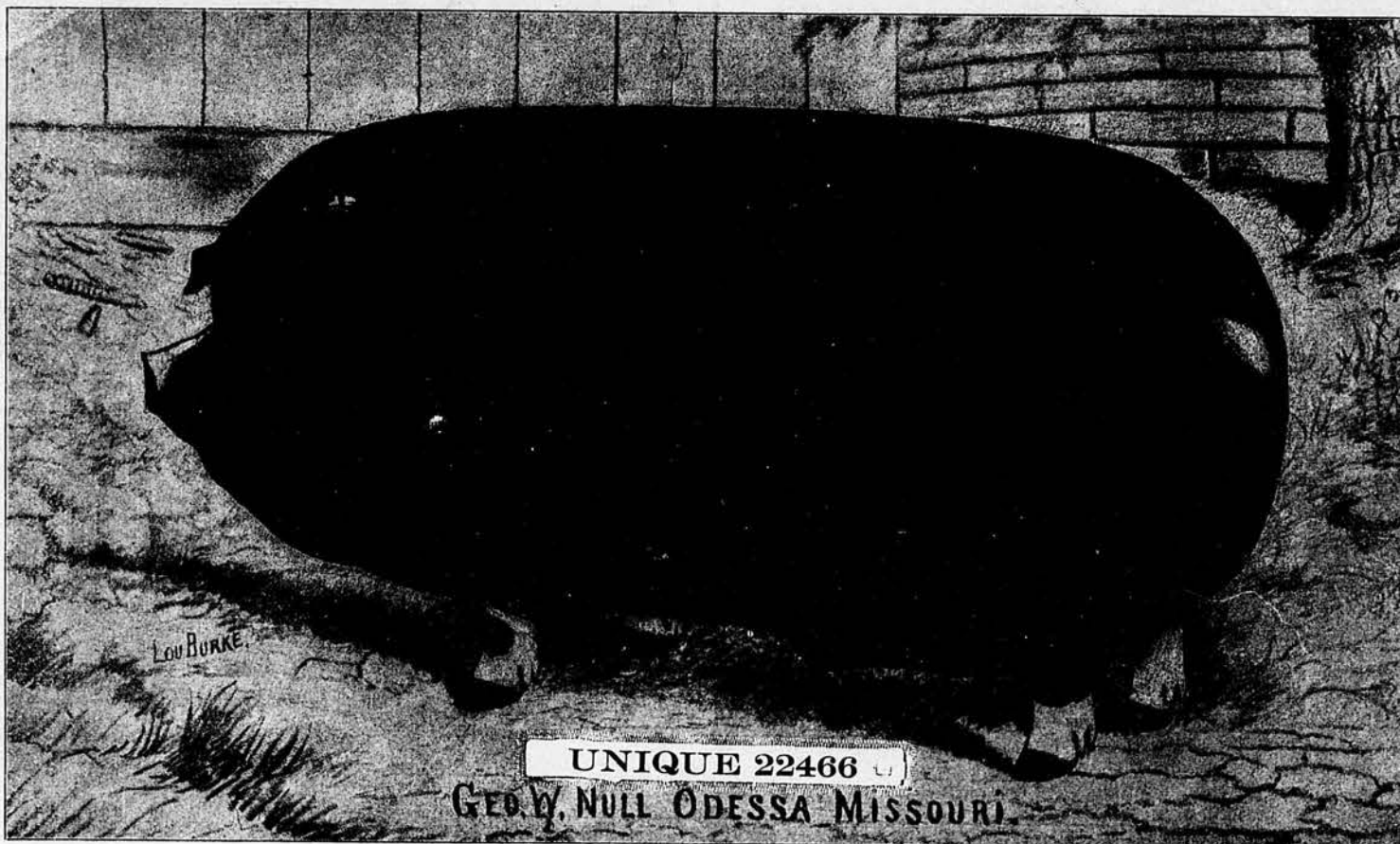
Accept no substitute for "Golden Medical Discovery." There is nothing just as good for dyspepsia or debility.

Biliousness is cured by the use of Dr. Pierce's Pleasant Pellets.

pens of those who have grown speltz. I wish to say that I grew about ten acres this past season which was the most satisfactory crop I had. I consider it far superior to oats as a spring crop. It is a very strong, vigorous grower, stands up well, has a bright, clear straw, and was not affected by rust. Growing side by side with oats, and with conditions all the same, it yielded more bushels, was much easier saved from damage by the wet weather, and is much heavier, and every way better than oats. Where a spring crop of small grain is called for, I regard it as being just the thing. Shawnee County. W. T. PENCE.

One Dollar and Twenty-five Cents.

Topeka Semi-weekly Capital and KANSAS FARMER for one year, only \$1.25.



UNIQUE 22466

GEO. W. NULL ODESSA MISSOURI

Herd Boar included in Mr. Null's "Anderson's Model Sale," December 2, 1903.



Christmas Presents For All

Christmas time is spending time. Jolly old St. Nick can successfully manipulate the key to our purses when all other attempts fail. Let us suggest the advisability of buying all your Christmas presents from the largest and most reliable stock in the world selling direct to the user and saving you the jobbers', dealers' and agents' profits.

Our prices are always the same—the lowest. We cannot take advantage of the liberal Christmas spirit and advance our prices as some do, for our regular catalogue figures must stand for all seasons. We can send you everything you want in one shipment, saving you endless effort and delay in buying from several sources.

By purchasing your entire Christmas needs from us we believe you will save almost one-third of the regular Christmas prices you would pay elsewhere.

It is easy to order from our 1128-page Catalogue No. 72, with fine pictures of the articles you desire, and you can do it all in one evening with scarcely any effort.

Once your order is mailed you need not think of it again until you get the goods, for we will take care of it promptly and carefully, guaranteeing safe delivery and perfect satisfaction.

Your neighbors who know will tell you it is a pleasure to deal with us.

We mention here a few suggestions, all taken from our Catalogue No. 72.

Thousands of other desirable presents for every member of the family, from the hired man down to the baby.

If you have never seen our old catalogue you have missed a great treat. It's never too late to begin, however. Fill in the coupon and mail to us to-day. Don't wait until it is too late to get your goods before Christmas. Although the catalogue costs us almost one dollar each, we make no charge for it, only asking you to send 15 cents to bear part of the postage expense of sending it.

Montgomery Ward & Co.,

Michigan Ave., Madison & Washington Sts., Chicago

32 years World's Headquarters for Everything.

For Men:

Pair of slippers.
Smoking jacket.
Smoking set.
Half dozen dress shirts.
Half dozen colored shirts.
Silk umbrella.
Pair of gloves.
Dozen initial handkerchiefs.
Morris chair.

For Women:

Shaving cabinet.
Leather couch.
Shaving set.
Neckties.
Match box.
Suit case.
Watch charm or fob.
Half dozen pairs half hose.
Pair of suspenders.
Pocket or bill book.
A good warm cap.
Heavy overcoat.
Muffler.

Fleece lined mittens.
Warm overshoes.
Magnifying glass for reading purposes.
A pair of boots.
Buckskin mittens.
Sweater.
Banjo or guitar.
Box of collars.
Meerschaum pipe.
Box of cigars.
Shot gun.
Cigar jar.
Hunting jacket.

For Men:

A pretty apron.
Dress pattern.
Wrap or bonnet.
Toilet set.
Manicure set.
Sewing machine.
Piano or organ.
Hat.
Handkerchiefs.
Pair of fine shoes.

Books.
Leather purse.
A new carpet or rug.
Piece of cut glass.
Tableware.
Pair of glasses.
Warm mittens.
Medicine cabinet.
Easy chair.
Bible.
Cut glass flower vase.
Jewelry.

Silverware.
Fine clock.
Bronze parlor ornament.
Set furs.
Up-to-date suit or jacket.
New stove.
Dining table.
Box stationery.
Talking machine.
Pair of gloves.

Cut this slip out and send it with 15c in stamps TODAY.

MONTGOMERY WARD & Co., Chicago.

Enclosed find 15 cents for partial postage on catalogue No. 72, as advertised in Kansas Farmer.

Name _____ (Be sure and write very plainly.)

Postoffice _____

Route No. _____ County _____ State _____

Horticulture.

A Few Inquiries Answered Regarding Some Insects.

E. S. TUCKER, MUSEUM ASSISTANT, INSECT COLLECTIONS, UNIVERSITY OF KANSAS.

Following my report on "Some Insects of the Summer," published in the KANSAS FARMER, September 3, I offer these notes as a continuation:

AN ELM-TREE APHIS.—(*Schizoneura americana*.)

I send you by mail a twig from an elm-tree that is infected with this pest. What are they? And what shall we do to get rid of them? Some trees are badly infected now while others have only a few. We are afraid they will kill the trees.

Russell, Kans., June 15, 1903.

A reference such as will answer for this pest is found in "Common Injurious Insects of Kansas," written by V. L. Kellogg, in regard to the cherry aphid, and is as follows:

"Diagnosis.—Twigs and under surface of leaves spotted or covered with great numbers in groups of minute, shining, black insects. Leaves wilt; growth of tree is stunted.

"Description and Life-history.—This pest is one of the plant-lice or aphids, minute, soft-bodied, most of the individuals wingless, sucking insects. It passes the winter in the egg state, on the twigs; early in spring the young aphids, hatching, gather on the bursting buds and begin sucking the juice from the unfolding leaves. In a week or ten days, the plant-lice are



a, winged female; b, pupa; c, wingless female.

APHIS OR PLANT-LICE.

Many times enlarged.

(From "Common Injurious Insects of Kansas," by V. L. Kellogg.)

mature, and begin giving birth to young, which, in turn, are soon fully developed. The plant-lice increase in numbers with marvelous rapidity, and if not checked by the attacks of many natural enemies would soon overrun all vegetation. The young are born alive, except in the case of the first brood of the year, which issue from eggs laid by the last brood of the preceding year. This last fall brood is composed of winged individuals, most of the other broods being wingless.

"Remedies.—The natural enemies of the plant-lice, including lady-birds and

their larvæ, parasitic two- and four-winged flies, etc., are usually sufficient to keep the aphids in check.

"Kerosene emulsion sprayed on the lice is the most effective artificial remedy. As the lice live by sucking, poisoning the foliage is unavailing. The insecticide must be something which will destroy the insects by actual contact. Strong soapsuds or tobacco-water are recommended."

The specimens in this case were determined by Mr. E. Sanborn, a student in the entomological department of the university, who is studying these insects especially. Dr. C. V. Riley, who named the species wrote about it as follows: "Found on the under side of the leaves of elm causing them to curl, producing a pseudogall. When very numerous they sometimes affect all the leaves at the end of a twig forming a mass, conspicuous on account of the sickly yellowish color of all the leaves involved."

The best success in spraying for these insects is accomplished by forcing a stream of the emulsion or of other solutions recommended into the tree, particularly against the limbs, under pressure, in order to dislodge the pests from sheltered places, such as on the under side of the leaves or in bunches on the twigs. Severe storms sweep them to destruction. For a period of nearly two weeks after the gale which occurred in Lawrence, August 5, hardly any kind of aphid could be found, according to Mr. Sanborn, who was hunting them for study. Then in the spring, at the time the apple-buds were swelling, the apple aphid began to attack the trees much to the fear of the fruit-growers, when the late snow-storm effectively reduced them so that not a trace was left.

THE BUNCHED COCOON PARASITE.—(*Apanteles congregatus*.)

Enclosed find a tomato- or tobacco-worm, I think. I found it yesterday, dead on top of one of my bee-hives under an elm-tree. The bunch of cocoons was attached to its back. I think it fell from the tree. Did you ever see or hear of anything of the kind before?

Olpe, Kans., August 24, 1903.

The caterpillar differs somewhat from the tomato-worm or the tobacco-worm, but belongs in the same family of which the caterpillars produce moths known as the Sphingidæ. By reason of the fact that it fell from an elm-tree, it is evidently a species destructive to foliage. The bunch of cocoons which forms a yellow crust on the caterpillar's back was made by quite a number of Hymenopterous par-

asites in their larval stage, which develop into minute four-winger flies of the family Braconidæ, and known to science specifically as *Apanteles congregatus*.

This parasite is known to attack several kinds of the Sphingid caterpillars. The female fly seeks out her host and lays her eggs in the skin of the caterpillar whose body becomes a prey for the young parasites as they are hatched and feed on the tissues within while obtaining their growth. Just before the caterpillar perishes, the parasites emerge from the body and form cocoons attached to the skin,



WORM, WITH PARASITIC COCOONS ATTACHED.

in which transformation into the winged stage takes place. In this species the cocoons are congregated into a mass, for which reason the name is bestowed. Many other kinds of allied parasites form their cocoons singly of silk, which are often mistaken for eggs attached to the back of an infested caterpillar. When emerging from the cocoons, the flies cut neat little lids to the openings from which they escape. These little parasites are very effective checks to many kinds of injurious insects, and on the whole distinctly beneficial in their habits, although beyond the control of man. A very similar if not identical species thrives in Europe where it is called *A. Glogemratus*. In America at least it is widely distributed.

THE BUTTERCUP OIL-BEETLE.—(*Meloe angusticollis*.)

I send you this day a specimen of a funny bug which I found in the woods. Burton, Ohio, September 5, 1903.

Two specimens of blister-beetles, family Meloidæ, were received, which were traced to the species, *Meloe angusticollis*. The genus *Meloe* is mentioned in Prof. J. H. Comstock's Manual as follows: "The beetles of this genus present an exception to the characters of the Coleoptera, in that the wing-covers, instead of meeting in a straight line down the middle of the back, overlap at the base. These wing-covers are short, and the wings are lacking. These beetles are called oil-beetles in England, on account of the yellowish liquid which oozes from their joints in large drops when they are handled. Our most common species is the buttercup oil-beetle, *Meloe angustipennis*. It

may be found in meadows and pastures feeding on the leaves of various species of buttercups."

In the set of specimens in the university collection, by the side of the label bearing the name of this species, is one Kansas specimen which was collected in Douglas County, but as it disagrees somewhat from examples received from Eastern States, the question as to its occurrence in Kansas remains open to investigation.

THE GIANT WATER-BUG, OR THE AMERICAN ELECTRIC-LIGHT BUG.—(*Belostomatidae americana*.)

I have another queer bug that I send you this day.

Burton, Ohio, October 2, 1903.

The insect received is a giant water-bug, known as *Belostomatidae americana*, or commonly called the American electric-light bug for the reason that the insect often appears in numbers at electric lights on the streets of cities where it is attracted when flying at night. Like many other kinds of insects, this bug may meet its death in the luring glare of the light, either by flying into the globe where it comes in contact with the powerful arc or by being crushed on the pavement by passing traffic wherever it may happen to fall. It is usually regarded with dread, especially by women who have sometimes erroneously described the creature under the impression that the front legs are horns, from the manner in which these legs are extended with the sharp claws on either side of the head in habitual attitude for grasping prey. The species thrives in a wide territory, east and west, north and south, and appears during the summer months, generally. Specimens were once received from Lake Charles, La., where they were believed to be injurious to fruit-trees, but this fear must be dispelled, since their habits are known to be carnivorous, though they may be regarded as an enemy of small fish.

A cluster of eggs, arranged in rows on the stem of an aquatic plant, was received from Skiddy, Morris County, Kansas, in June. An immature or young water-bug, in the stage before the wings are grown, was found in the Lake of the Woods, Minn., and given to the university collection under the name of "Toe-biter," a term commonly bestowed on a certain species in California, so-called for the reason that the insect is supposed to bite the feet of persons wading or swimming.

Concerning the habits of the water-bug, Prof. J. H. Comstock has published the following account: The family *Belostomatidae* contains the

largest Heteroptera in existence. These are all wide and flat-bodied aquatic insects, of more or less ovate outline, furnished with powerful flattened swimming legs, the fore tibiae curved, and fitted for seizing and holding tightly the victims, upon which they pounce from their hiding places in the rubbish or among the branches of water-plants. A remarkable feature of all the genera is in the presence of a pair of flattened, narrow, strap-like appendages at the end of the body, which are extensible, but not concerned with respiration. (Uhler.)

"These insects are rapacious creatures, feeding on other insects and small fish. Some of the species are of great size. One found in Guiana and Brazil sometimes measures four inches in length. We have in our fauna two common species of the larger giant water-bugs. They are *Belostoma americanum* and *Benacus*. These two species so closely resemble each other that they are commonly confounded.

"*Belostoma americanum* varies greatly in size. Specimens before me as I write this range from 1.75 inches to 2.4 inches in length. It is of a pale dirty-brown color, mottled with dark brown; the ventral aspect of the body is speckled with dark brown. The anterior femora are furnished with a groove for the reception of the edge of the tibiae.

"*Benacus griseus* can be distinguished from *Belostoma* by the absence of the femoral groove."

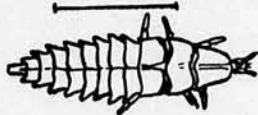
THE GRASS GLOW-WORM.—(Photuris larva.)

A glow-worm was brought to the department and given to Dr. F. H. Snow by a farmer living near town, who stated that he found it in the grass at night when he was attracted to the creature by a bright glowing light which the worm emitted.

Lawrence, Kansas, October 14.

The common lightning-bugs or fireflies comprise most of the insects which emit a phosphorescent light, but their larvae or worms are not as well known as the adults or beetles. These insects are classified in a family known as the Lampyridae, and the adults have soft wing covers unlike most of the coleoptera, to which order they belong.

In Packard's Guide the worms are described as follows: "The larvae are rather long, flattened, blackish, with pale spots on the angles of each segment. * * * In *Photuris* the larva is not uncommonly met with in the evening shining brightly as it crawls



PHOTURIS LARVA OR GLOW-WORM. (From Packard's Guide.)

along, and is blackish and crustaceous like a pill-bug. Another *Photuris* larva (see figure which represents specimen submitted) I have found under a stone in May. It is represented in the act of walking, the feet on one side of the body moving alternately with those on the other. This is the mode in which insects usually walk."

A note might be added stating that the worm is quite active in running when given its freedom, and when molested it curls into a ball. The figure shows the upper side of the worm and the angular edges of the abdominal segments. The line to one side indicates actual length. Like all members of the family, its habits are carnivorous.

THE GIANT SWALLOW-TAIL BUTTERFLY CATERPILLAR.—(Papilio cresphontes.)

A caterpillar was brought to the insect department by some boys who carried the creature in a box as if it were a dangerous thing to touch, their fears being founded on the power of the caterpillar to project two red-colored filaments from behind its head when molested.

Lawrence, Kans., October 16, 1903.

With this caterpillar, like all of the various kinds which transform into the swallow-tail butterflies, the pres-

ence of a pair of fleshy filaments which can be extended suddenly from behind the head is common to the family Papilionidae. The correct name of the organs is osmateria, and they are neither poisonous nor dangerous, though they may exhale a disagreeable odor. When molested, the caterpillar projects these organs suddenly and in a threatening attitude with the object seemingly to frighten away an enemy,



CATERPILLAR OR PAPILIO CRES-PHONTES.

and that it succeeds is evident, together with its protective coloration, in being able to escape from the attacks of all kinds of birds.

When a caterpillar is found as late in the season (October) as this one, it will, if left to mature, transform into a chrysalis in which stage the insect will pass through the winter, and the butterfly will emerge next spring.

The body of the caterpillar is mostly rich, ferrugineous brown in color with regions of yellowish cream. It is drawn actual size. Its food plants in Kansas, as recorded by Dr. F. H. Snow, are the hop-tree and several species of the prickly ash.

How to Test Your Seeds.

It is important to test the vitality of seeds that you are in doubt about, and where the crop requires an even stand and an exact amount is planted, as for instance, in corn. Here we plant a few grains in each hill, and if the seed should happen to be poor, the crop would be greatly lessened. When one knows about what per cent of the seed will grow, he can plant them more intelligently and obtain a larger return for the seed. In some kinds of plants there is a greater variation in the vitality of the seed, and this makes testing very important. There are several practical methods by which the testing can be done easily, and with little or no expense. A very simple method is to take an old box and fill it with moist earth (a cigar box might do), and set it in a warm room near the window. Then select a certain amount of seed, say 100, and plant them in the soil, being careful to know the exact number planted. Keep the soil damp and in a warm place, and within a few days they will come up. Then count all that grow, which is the per cent of germination. Perhaps the best and simplest plan is to take two plates, and place in one of them a folded cloth; wool or flannel is preferable since it retains moisture for a long time, but any cloth will do. The cloth should be free from dyes that will come out when soaked in water, as the chemicals might be injurious to the seed. Wet the cloth and press out the surplus water, leaving it very damp, but not soaked. Place the seeds between the folds of the cloth, put in a record marked with a pencil on a piece of paper, with the date and number of seeds, and then place the second plate inverted, for a cover. Selecting the sample to be tested is of great impor-

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Care of Monthly Rose Bushes.
Will you please tell me through your paper how to care for monthly rose bushes so that they will not be killed to the ground during the winter? They are full of leaves and flower-buds now and frost does not take the leaves off. Morris County. OSCAR YORK.

The first point to be observed in keeping the roses over winter is to be certain that the soil is well-drained, see that no water will stand long on the bed. Then, before the ground freezes hard, lay them down and cover with a good mulch, coarse stable manure or straw answer well; keep it over them until spring. Wrapping in burlap or other coarse material is often practiced, and the plants laid down and covered with a mulch; but unless fairly dry this treatment may favor the growth of mildew.

Care should be taken that the mulch does not blow off the plants; some brush laid on the mulch will prevent it.

In the spring the plants should be cut back to vigorous buds, some stems

The Stock Interest.

THOROUGHbred STOCK SALES.

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

November 27, 1933—Scotch topped Shorthorns, A. B. & F. A. Heath, Republican City, Neb.
 December 2, 1933—Geo. W. Null, Odessa, Mo., Poland-Chinas.
 December 2, 1933—American Galloway Breeders' Association sale, at International Exposition, Chicago.
 December 3, 1933—100 head of Herefords, at Chicago, Ill. C. R. Thomas, Secretary.
 December 4, 1933—American Aberdeen-Angus Breeders' Association sale at Chicago. W. C. McGavock, Mt. Pulaski, Ill., manager.
 December 9, 1933—Combination sale of Poland-Chinas at McPherson, Kans. M. O. Kilmer, Mgr.
 December 10-11, 1933—Hereford cattle and Berkshire swine, Sunny Slope Farm, Emporia, Kans., C. A. Stannard, owner.
 December 11, 1933—J. R. Young, Richards, Mo., Poland-Chinas.
 December 15, 1933—Harry E. Lunt, Burden, Kans., Poland-Chinas.
 December 16, 1933—Pure-bred Shropshire sheep, E. S. Kirkpatrick, Wellsville, Kans.
 December 18, 1933—Plainville Breeders' Association combination sale of cattle and swine, Plainville, Kans.
 January 20, 1934—H. N. Holdeman, Girard, Poland-Chinas.
 January 27, 1934—David Delair, Manhattan, Shorthorns and Poland-Chinas.
 February 1, 1934—Poland-Chinas, Thompson Bros., Marysville, Kans.
 February 2 to 5, 1934—Percherons, Shorthorns, Herefords, and Poland-Chinas, at Wichita, Kans., J. C. Robinson, Towanda, Kans., Manager.
 February 2, 1934—Duroc-Jersey swine at Humboldt, Neb. Wm. Brandow, Manager.
 February 2 and 3, 1934—Benton Gabbert and others, Herefords, at Kansas City, Mo.
 February 3, 1934—Jno. O. Hunt, Maryville, Kans., Duroc-Jersey sows.
 February 4, 1934—Swine-breeders' combination sale, Washington, Kans., Poland-Chinas.
 February 4, 1934—C. E. Pratt, Frankfort, Kans., Duroc-Jersey sows.
 February 5, 1934—J. B. Davis Fairview Kans. Duroc-Jersey sows.
 Feb. 16, 1934—E. E. Axline, Oak Grove, Mo., Poland-China brood-sow sale.
 February 17, 1934—Combination sale of Angus cattle at Kansas City, Berry Lucas, Manager, Hamilton, Mo.
 February 23, 1934—Duroc-Jerseys, A. F. Johnson, Osceola, Neb.
 February 24, 1934—Duroc-Jerseys, E. J. Brown, Osceola, Neb.
 February 25, 1934—Duroc-Jerseys, Nels. Holm, Osceola, Neb.
 February 26, 1934—Duroc-Jerseys, C. G. Johnson, Osceola, Neb.
 March 1, 1934—L. M. Monsees & Sons, Smithton, Mo., jacks, saddle and roadster horses.
 March 8, 1934—F. M. Gifford, Manhattan, Kans., Shorthorns.
 April 7, 1934—Central Missouri Hereford Breeders Association sale, Macon, Mo., S. L. Brock, Secretary.

Coming Events.

Will secretaries, or those having the management of coming events, oblige the Kansas Farmer by sending dates?
 International Live-stock Exposition, Chicago, November 28-December 5, W. E. Skinner, General Manager.
 American Percheron Horse Breeders' Association, next annual meeting will be held at the Grand Pacific Hotel, Chicago, Monday, November 30, 1933, 7.30 p. m. S. T. Thompson, Secretary, Tacoma Bldg., Chicago.
 Twenty-eighth annual meeting of Kansas State Historical Society, Topeka, December 1. Geo. W. Martin, Kansas City, Secretary.
 The annual meeting of the American Southdown Breeders' Association will be held in the Live Stock Record Building, Union Stock Yards, Chicago, December 1, 1933, 7.30 p. m. Frank S. Springer, Secretary, Springfield, Ill.
 Annual meeting of the Hampshire Down Breeders' Association of America, Palmer House, Chicago, December 2, 1933. C. A. Tyler, Secretary, Nottaway, Mich.
 Mission Center Farmers' Institute, Shawnee County, December 1-2, 1933; Emma W. Wallace, Secretary, Station B, Topeka.
 Douglas County Farmers' Institute, Vineland, December 3. Ed. S. Haney, Secretary.
 Kansas State Grange, Arkansas City, December 8, 9, Geo. Black, Olathe, Secretary.
 Western Kansas Irrigation Association, December 9, 1933, Garden City, I. L. Diesem, president.
 Missouri State Dairy Association, Clinton, Mo., December 8-10, E. C. Eckles, Columbia, Secretary.
 Missouri State Horticultural Society, Columbia, Mo., December 8-10, L. A. Goodman, Kansas City, Secretary.
 Annual Convention of National Plant and Animal-breeders' Association, St. Louis, December 29, 30, 1933.
 Fourteenth annual meeting Kansas Improved Stock-breeders' Association, Topeka, January 11-13; H. A. Heath, Secretary.
 National Live-stock Association, Portland, Ore., January 11-14, 1934; Chas. Martin, Denver, Col., Secretary.
 Thirty-third Annual Meeting State Board of Agriculture, Topeka, January 13-15; F. D. Coburn, Secretary.
 Kansas Mid-winter Exposition, Topeka, January 19-31, 1934.

A Little Fiction.

EDITOR KANSAS FARMER:—Feeling the need of a vacation, in the summer of 1933 I took a few days off from hard office work and took a short railroad trip to the country. Soon after my arrival I called up over the telephone, my old friend, who lived two miles in the country and told him of my arrival. He told me to wait; and in half an hour he had driven into town and we were greeting each other with a hearty hand-shake.
 On the way out to the farm, an observer might have heard the following conversation.
 I said: "Well, Charlie, how have things prospered with you since I saw you a year ago?"

"Not very well. I have had some very hard luck."

"Why, Charlie, I always heard you say there was no such thing as hard luck where gumption and muscle were used properly."

"Yes, I have said so; but it seems I fell down in spite of my remarks about common sense."

"Well, Charlie, what has happened to you to cause such lack of prosperity? When I saw you last you had two of the best herd boars I ever saw and about forty registered sows, and a growing demand for breeding stock at good prices, and I thought to find you a very rich man by this time. It seemed to me that you could supply the world with pigs, and with the care you usually gave your sows at farrowing time, I thought you must have raised and sold a great many pigs."

"Well, yes, I did have two nice Poland-China boars, and I have got them yet, the 3-year-old weighs 900 pounds, and the coming 2-year-old tips the beam at 700 pounds; but all the same I have lost over \$2,000 worth of hogs since last October."

"Why, Charlie! What in the world was the matter? Surely the cholera did not break out in your well-managed herd."

"Well, it did not originate there, but I bought a choice sow at the Kansas City Royal show and she gave it to my herd and I lost twenty brood sows and their litters; and twenty more that recovered, aborted their litters, so that now, in June, 1933, I am just having my first pigs since April of 1932. Not only have I lost a lot of hogs, but I have simply dropped out of sight, so to speak, for a year."

"Why, how came you to buy any hog at that pest-hole of hog-cholera, the Kansas City show-yards?"

"Well, I did not need any more sows, and never dreamed of buying any, but I went up to the Royal to see the boys on the first day of the sale and as every person had a notice of disinfecting with a standard remedy which is so popular among breeders, and such good animals were being sold at a song, that I could not resist bidding on some choice ones, at pork prices. I started a 400-pound yearling sow of choice breeding and great show-yard form at \$30, and they knocked her down to me. I was dumbfounded. She was worth about \$200. Her owner told me she would have won the year before if the show had come off. A bystander offered me \$5 for my bargain. I did not buy any more, but saw lots of brood sows go very cheap. I marvelled at this and congratulated myself on my own purchase, and if I had not had so many hogs at home I should have bought largely. I went home that night (Tuesday) and found the sow on the same train. As I had not expected her so soon I again marvelled at the promptness of shipment. The express was \$5 on the sow and when I got her home, one of my neighbors helped me unload her. We put her in a small yard adjoining my sows' lot and I pointed with pride to her and her grandly arched back. My neighbor told me her back was not natural, and he believed she was sick. Of course I laughed at such a thing. He said she was sore and stiff. When she rooted out a hole and placed herself upright on her stomach, same as a sunfish rests in water, my friend said she had a violent fever in her belly and looked like a case of hog-cholera. Of course I scouted his views. He is not much of a hogman, but his father had been and he had seen lots of hogs die of cholera. I never gave his views a second thought, so confident was I that the 1,100 hogs at the Kansas City Royal were the cream of the land and were so well taken care of and so well disinfected by body washes. There was not a louse on the sow, nor a sign of an egg, and she was all soaked in carbolic acid and fish-oil.

"Here is where I fell down. Had I taken alarm at my friend's views and put the sow in quarantine, all might have been well, but I had never seen cholera and had full faith in body washes and the health of the hogs at the great show."
 "Well, Charlie, what became of the sow?"

"She ate well and acted all right and the next day I put her in with my other sows. She fought some and licked every sow that pitched into her. I noticed she kept to herself, but I supposed it was because the rest fought her so. In a few days she did not come out of her sleeping pen to eat corn, and I took corn to her and she slobbered blood on the ears. I concluded she had torn out some teeth in fighting, and thought no more about it. Soon she refused ear-corn and I shelled it for her and she ate it. Soon she refused shelled corn and I gave her rich shortslop. She soon began to pass blood from the bowels and I concluded she had ruptured a blood-vessel."

"One morning (twelve days after I was at the Kansas City show) I found the sow dead. I shut others away from her and had to wait until noon to get some boys to help me drag her out. We did so at noon and I made soap-grease out of her. My, but she was a fine-built sow! In opening her I found a ruptured blood-vessel in the breast, and I was silly enough to believe it was the cause of her death. I had heard that when hogs had the cholera, they had decayed sores, like small-pox pits, all over them, and as this sow had nothing of the kind, I was sure it was not cholera. Well, about nine days later one of my sows did not come for her corn. I did not pay much attention to it, but observed she did not eat for two days. I put her in the hospital I have for such cases and tried to get her to eat. She would not and had chills. I lighted the gas and kept it warm, but she still chilled and had fever by turns. In a few days she scoured blood as the other sow did, and then I went into the house and took down Coburn's Eleventh Biennial Report, and there I learned that the passing of blood was a symptom of the most violent form of hog-cholera. I nearly fainted. In an instant I saw that the sow I had bought was sick when I got her; that my neighbor was right and that I had exposed all my valuable sows that were so soon to have pigs. I told my wife the awful news. She said it could not be possible, and wondered what we should do. I went to the 'phone and called up Dr. —'s office and told him to send me a case of his cholera remedy by return express—which he did. I bought a corn-sheller and put some corn to cook over the gas-cooker. I made suitable troughs to feed it in and worried along until evening when the medicine came. I did not feed the sows any that day and the next morning they were hungry and ate the medicated corn readily—all but four of them that held aloof and did not seem to be hungry."

"These four refused to eat at the next feed and I got them away from the rest, and they and the sick sow died later on. All the rest took the treatment thoroughly until they had all the medicine in their system they could contain and live. I cleaned out everything and used ten gallons of carbolic acid and a barrel of lime. Dr. —'s man wrote me every day and I wrote him every night."

"Two weeks passed by. The hogs seemed well, but ate rather gingerly. Soon they began to get stiff in their legs and commenced to scour off an awfully offensive black excrement. I was now greatly alarmed as I had always been told that Dr. —'s remedy was infallible."

"I put my two sows that I valued at \$500 each, and three of their best gilts into a pen by themselves; then separated all the rest into small bunches away from the regular yards."

"I did not use any more treatment. I did not dare to give them any more of the violent poison that had nearly killed me while mixing it for them."

"Well, what happened then?"

"Well, they died off one at a time until twenty-two sows had died and twenty-two had gotten well. One that recovered did not lose a feed; her sister lost two feeds, her dam never knew she had it, except she aborted her litter the same as all the rest did. One of the \$500 sows laid eleven days on her stomach, neither eating nor drinking, and violently scouring all the



Good News for Stockmen

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Last harvest, while shocking grain, the weather being very warm, I was taken with cholera morbus so bad I thought I would die; my wife said I looked like a corpse. I went to the house and took some of Watkins' Vegetable Anodyne Liniment, two or three doses, and before night I was able to go to work again. I wouldn't be without the liniment in the house if it cost \$5.00 a bottle. JOHN HEITZMAN.

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time. She recovered, but shed all her hoofs. Two sows shed all the meat on their backs and died from the shock of exposure. Several lost their ears and one lost all her coat. One came down with rheumatism and several were very tender in the feet.

"Well, you say you saved about half of the sows. Do you still have any faith in remedies for hog-cholera?"

"Yes, I think I would have lost every one of them if they had not been under treatment. The remedy stopped chicken-cholera for me and I would not do without it, but it will not prevent every animal from dying."

"What did you do with the dead hogs?"

"I burned them with gas just as soon as they died, and not a hair got away and no one got disease from me."

"Did any one else get disease from Kansas City?"

"Yes, I have learned of enormous losses."

"I suppose the leading breeders who took hogs away from there all met with more or less loss."

"Yes, hardly one escaped, and the loss averaged at least \$2,000 each."

"What are you doing now?"

"I have moved all my immune sows to new pens on new soil and they now have a thrifty lot of pigs that I shall never let go into the old pens. The old pens were disinfected and hogs all dipped, but I shall take no chances."

"Has your experience cured you of buying hogs at Kansas City?"

"No, but I would buy only on a thirty-days' guarantee of good health and then quarantine the hog for thirty days."

"Now, after nearly a year, what are your conclusions?"

"I believe a man need not have cholera in his herd if he does not buy it. They must eat the germ to catch cholera and if taken away from it, will not have it."

"Are your immune sows good breeders since they were sick?"

"Yes. All bred readily and produced litters of nine to eleven each of healthy pigs, but the sows themselves have lost their hoofs, ears, hearing, and good shape. They are a sorry looking lot of plain sows now, that do not fatten readily, but are good mothers and of course are now immune and very valuable."

I stayed a few days at the home of my friend and saw his hogs. All he told me I found true. He has met with a great loss, but will be all right again in time. His experience cost him much but he has it now as part of his capital. I write this so those not acquainted with the disease will be able to guard against it and when they do have it, will know how to treat it.
READER.

Low's Successful Shorthorn Sale.

The combination sale of Shorthorns held at Horton, Kans., last Thursday, the 19th inst., which included the dispersion of the herd of Hon. M. A. Low, Topeka, and fifteen animals from the herds of M. C. Vansell, Muscotah; D. L. Dawdy, Arrington; and G. Y. Johnson, Willis, was, everything considered, a gratifying success. The entire offering of fifty-three head sold for \$8,862.50, a general average of \$167.21. The general average for cows and heifers was \$176.31 and \$132.50 average for the bulls.

The bulk of the sale, however, was the closing out of Mr. Low's herd, mostly Scotch cattle, which, including three calves which should have been sold with the dam but were sold separately, would make Mr. Low's average for 28 cows and heifers \$234.80, and the average for 7 bulls of \$165.71, or a general average for 25 Shorthorns of \$220.93.

There was a large attendance of representative breeders from Kansas, Missouri, and Texas. The tops of the female offering, the imported cows, Naomi's Ruth sold for \$600 and Ruby Lass at \$550, both going to S. P. Hovey, Ft. Worth, Texas. The latter cow was owned jointly by Mr. Low and Mr. Vansell. Nonpareil Lad 188587 brought the top price for bulls, \$355, and went to H. C. Hollowell, Ft. Worth, Texas. This Kansas sale of Shorthorns was one of the best of the season, anywhere in the country, notwithstanding the adverse conditions now prevailing. The breeders present expressed great regret in the retirement of Mr. Low as an active breeder; however, his sale was favorable to Kansas breeders, who took the bulk of the offering.

Colonel Woods, the auctioneer, stated that he had not sold a better lot of Shorthorns in the United States this year.

The sales in detail were as follows:

Naomi's Ruth (imp.) and c. c., S. P. Hovey, Ft. Worth, Texas, \$600.00
Ruby Lass (imp.) and c. c., S. P. Hovey, \$650.00
Nonpareil 35th (imp.) and c. c., G. Y. Johnson, Willis, Kans., \$360.00
Redbud of Riverdale 2d, D. T. Bronaugh & Son, Nashua, Mo., \$150.00
Queen of Iowa 2d, D. L. Dawdy,

Arrington, Kans., \$300.00
Missie of Browndale, David G. Page, North 2d (imp. in dam), \$110.00
Naomi's Ruth 2d (imp. in dam), \$300.00
Ralph Vansell, Muscotah, Kans., \$250.00
Northern's Gem, McKelvie & Hull, Burchard, Neb., \$250.00
Nonpareil 36th (imp. in dam), T. A. Bailey, Shelby, Mo., \$255.00
Scottish Queen and c. c., J. L. Miller, Muscotah, Kans., \$280.00
Brawith Lass, J. B. Robinson, Fairport, Mo., \$255.00
Pleasant Ruth, Henry Kupper, Humboldt, Neb., \$150.00
Orange Bud, David G. Page, \$280.00
Redbud 2d, J. P. Stanley, Horton, Kans., \$330.00
Golden Missie, J. F. Stodder, Burden, Kans., \$180.00
Mrs. Nichols 3d, W. A. Tennyson, Frankfort, Mo., \$80.00
Polly 3d, John McCoy, Sabatha, \$60.00
Lady Christine 4th, J. Armstrong, Muscotah, Kans., \$135.00
Style of Ashland 3d, Thos. Jesse, Highland, Kans., \$50.00
Redbud 3d, W. S. Hamilton, Clarksdale, Mo., \$210.00
Mary Ann 38th, J. W. Dawdy, Abingdon, Ill., \$75.00
Belle of Sibley 4th, Jas. Armstrong, \$90.00
Redbud 4th, D. T. Bronaugh, \$185.00
Golden Gem 2d, D. T. Bronaugh, \$145.00
Lady Ashland, N. B. Hansen, Willis, Kans., \$125.00
Lucille, David G. Page, \$130.00
Golden Lass, E. D. Ludwig, Sabatha, \$70.00
Golden Orange Blossom, D. T. Bronaugh, \$160.00
Naomi's Ruth 3d, J. P. Stanley, Horton, Kans., \$230.00
Mild, Thos. Jesse, \$65.00
Rose 4th, Mark Hardin, Horton, \$75.00
Scottish Violet 3d, D. T. Bronaugh, \$205.00
Golden Orange Blossom 3d, D. T. Bronaugh, \$195.00
Golden Orange Blossom 4th, W. A. Tennyson, \$75.00
Scottish Violet 2d, Henry Kupper, \$80.00
Golden Lass 3d, J. A. Tennyson, \$40.00
Scottish Violet 4th, David G. Page, \$80.00
Sally Belle Rosey, McKelvie & Hull, \$75.00

BULLS.
Clipper Chief, M. C. Vansell, \$280.00
Dan Clark 2d, P. G. Hartley, Horton, \$65.00
Violet Lad 191802, D. Tennyson, \$125.00
Nonpareil Lad 188587, H. C. Hollowell, Ft. Worth, Texas, \$355.00
Lord Rosemary 2d 188330, M. J. Parker, Rayville, Mo., \$135.00
Golden Chief, A. D. Walker, Holton, \$150.00
Redbud, B. L. Yaggy, Marvin, Kans, \$105.00
Cato, J. B. Cooksey, Emmons, Kans, \$80.00
Golden Duke 2d, \$45.00
Golden Knight, S. B. Hovey, \$45.00
Lord Ullin 2d 188331, W. H. Raynor, Lancaster, Kans., \$80.00
Violet Lad 5th, H. K. Sheets, \$47.50

Sunny Slope Herefords.

The next Hereford event of importance is the forthcoming sale at Sunny Slope Farm at Emporia, Kans., Thursday and Friday, December 10 and 11, 1903, when Mr. C. A. Stannard, the owner, will sell at auction 72 cows and heifers and 34 bulls, the best-selected produce ever offered from Sunny Slope. This offering comprises the choicest animals of the entire herd and includes the entire show herd of 1903, which made the best record at the State fairs and National shows this season ever made by the present owner. In this very select draft from Sunny Slope Herd there are ten cows, the daughters of the celebrated Hereford sire, Wild Tom, and others are by imported Keep On and Java and other noted sires of the breed.

This is the first public sale made at Sunny Slope Farm by Mr. Stannard since he became owner and nearly all of the 106 head were bred and raised at Sunny Slope Farm, hence this sale should appeal to breeders more than any other sale which Mr. Stannard has ever been identified with, and certainly this Hereford offering positively affords breeders the best opportunity to secure more rare show animals and foundation stock than has ever before been offered in the West. And in view of the temporary depression of values, and the opportune chance to strengthen show herds for the World's Fair next year, it would seem that wise and enterprising Hereford breeders of America would avail themselves of this unusual opportunity to be present and secure one or more of the grandest lot of Herefords ever offered at a single sale. It is, unquestionably, the most attractive White-face offering of the year.

If such a superior lot of animals, remarkable for individual excellence and breeding, are permitted to sell at this time at slaughter prices, there is no way in which to estimate the loss that will accrue to the Hereford breeding fraternity for the next few years.

This sale should be made an occasion for a veritable rally of Hereford breeders, and it surely will be, if breeders could only realize the high character of this entire offering as seen by the writer only last week. It is unfortunate for Sunny Slope, in the opinion of the writer, that this sale had not been deferred for about ninety days, when the New Year will have much better promise for all pure-bred breeds of cattle than now; however, it will be in the buyers' favor, and breeders are not likely in years to have another such wholesale chance to get top price, blue-blood Herefords as at this sale. Of the seventy young cows and heifers included in the sale there will be a score of calves at foot and a portion of the heifers of suitable age will be bred to Sunny Slope bulls, the remainder being reserved to be bred in accordance with the wishes of the new owner.

Among the sires of Herefords in this sale note the following array: Wild Tom, Imp Keep On 70015, Java 64045, Gem's Keep On 10347, Lord Saxon 89312, Beau Donald 20th 105160, Elvira's Salisbury 94185, Militant 71755, Hesiod 2d 40679, Lamplighter 51834, Benjamin Wilton 63828, Don Carlos 33734, Archibald Mc 60922, Columbus 60900, and Actor 45608. To the student or fancier the catalogue tells the significant story of the breeding, but the beauty and uniformity of individual excellence of the entire offering has to be seen to be properly appreciated. Secure a catalogue at once by addressing C. A. Stannard, Sunny Slope, Emporia, Kans., and make no other dates for December 10 and 11, 1903.

Horse Owners! Use

GOMBAULT'S

Caustic Balsam

A Safe, Speedy, and Positive Cure
The safest, Best BLISTER ever used. Takes the place of all liniments for mild or severe action. Removes all Bunches or Blemishes from Horses and Cattle. SUPERSEDES ALL CAUTERY OR FIRING. Impossible to produce scar or blemish. Every bottle 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.
THE LAWRENCE-WILLIAMS CO., Cleveland, O.

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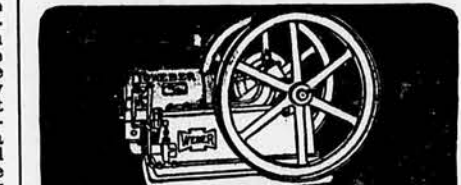
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Forty years ago and after many years of use on the eastern coast, Tower's Waterproof Oiled Coats were introduced in the West and were called Slickers by the pioneers and cowboys. This graphic name has come into such general use that it is frequently though wrongfully applied to many substitutes. You want the genuine. Look for the Sign of the Fish, and the name Tower on the buttons.

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generate most power at least expense and in form best adapted to small or large purposes. Every thing from the 2 1/2 horse Jr. to 300 h. p. Engines. All money earned, built to last, absolute in safety. No skilled engineer or license required. Any intelligent person can operate. Preferable to steam for many reasons. Catalog shows why. Write for it.
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On Steel or Wood Frame Scales, Feed Cookers, Grinders, Gasoline Engines, Windmills, Pumps, Tanks, Wagons, Carriages, Sleighs, Harness, and Patent Specialties. Investigate.

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Send for Catalogue. Made and sold by
IOWA GRINDER & STEAMER WORKS, WATERLOO, IOWA.

McPherson Combination Sale.

In this issue we have the advertisement of the breeders' combination sale of Poland-Chinas, to be held at McPherson, December 9, 1903. There will be 75 head catalogued, 26 of which are boars, 28 gilts, and 21 tried brood sows, among which you will find a great variety of breeding and individuality seldom equaled. You all know what Mr. Garver & Son handle; suffice it to say that they consign eight of their best, some bred to each of their great herd-boars, Kansas Chief, Hard To Beat, a winner at the American Royal, and Prince Proud, a prize-winning son of Proud Perfection. L. D. Arnold consigns the tops of his herd, which will consist of tried brood sows sired by the great brood sow sirs, Hadley I Know, Kansas Chief, U. S. Perfection 2d, and from dams of extra merit. His gilts are from the sow that topped Mr. Garver's last February sale and was sired by Kansas Chief. They are fine. In Mr. Cottingham's consignment will be found some extra good boars, some by Cottingham's Perfection, a boar out of Split Silk #5800, a sow that won first in her class and in herd, first under 1 year and in herd second in get show, and first in four-pig class produce of same sow, and a champion sow of breed at International Livestock Show in Chicago. J. W. Myers consigns the best of his herd—some brood sows that have proven money-makers. His consignment are the get of such boars as Grand Corrector, by Corrector; Grand Darkness by Guy Darkness, and Regulator by big-boned Tecumseh. Betty U. S. in my own consignment is a granddaughter of Chief Tecumseh 2d and an extra fine one, too. Laura is by Dandy T. by 'Tates' Chief I Know, and is a brood sow of unusual merit as you will all agree, having farrowed seventy-five pigs in seven litters and raised sixty-nine. What more could I say for her? Flora Lincoln by Chief U. S. is another extra good brood sow. Has a fine arched back and a very deep body. Golda and Maud R. are yearling sows of unusual size and individuality. Hadley I Know stands at the head of our herd at present, assisted by Perfect Sunshine, a grandson of Ideal Sunshine, also of Chief Perfection 2d. Fourteen sows and gilts will be bred to these two great boars. Write at once for catalogue to M. O. Kilmer and do not fail to mention the Kansas Farmer.

M. O. KILMER.

Angus Auction at the International.

W. C. McGavock, manager, Springfield, Ill., writes: "The ninety head of cattle catalogued for the Aberdeen-Angus auction at Chicago, Friday, December 4, are the best-bred of any offering that has been made at Chicago during any International Exposition. I believe any student of Angus pedigrees and blood lines will bear me out in this assertion, when a perusal and comparison of the catalogues are made. The offering contains consignments from twenty-four different herds, representing every fashionable family and the blood-lines of every champion and great breeding animal of the day. The individuality of the various consignments is believed to be better than those heretofore contributed to these popular exposition sales under the auspices of the National Association. I wish to impress upon the minds of those attending the International, that they will see a choice collection of breeding cattle in the Angus sale, and those desiring to purchase cattle of this breed should not get too busy with other matters to overlook this, one of the most meritorious sales that has yet occurred of this great breed. The catalogue has been somewhat delayed in the printers' hands, but will be mailed this week to Angus breeders and all applicants. There will be a large supply of catalogues, however, at the sale and all interested will be supplied with them.

"The Angus breeding business was never on a better basis. We rest our claims to pure-bred values on the fourteen consecutive years of market-topping in the greatest fat-cattle markets in America; the decision of the fifteenth year will have been made before this sale occurs, and all we ask of the public is to appraise our breeding cattle in accordance with the championships awarded in the breed contests, and the prices paid for them in the fat-cattle market."

Casino (45462) 27830.

On the first page of the Kansas Farmer this week we present a new illustration of the great imported prize-winning Percheron stallion, now at the head of the draft horse establishment of J. W. & J. C. Robison, Towanda, Kans.

Casino was bought of Singmaster & Son, Keoti, Iowa, in 1902 for \$4,000. The same year he won first prize and sweepstakes at the Missouri and Kansas State Fairs and also the district fairs at Wichita and Eldorado. In 1903 he won first prize and sweepstakes at the Missouri and Kansas State fairs, Eldorado and Newton fairs, and was also first in herd at the American Royal at Kansas City last month. Casino weighs 2,150 pounds and stands at the highest price for service of any stallion in the United States. At the breeders' combination sale, to be held at Wichita, February 2-5, 1904, all mares consigned by J. W. & J. C. Robison will be bred to Casino.

Unique 22466.

In this issue of the Kansas Farmer we present a sketch of the herd-boar used by Geo. W. Null, Odessa, Mo., who holds a public sale on Wednesday, December 2, 1903. This herd is famous for being the home of Anderson's Model (43611), the \$1,575 sow.

Unique was winner of second prize at the American Royal Show in 1902 and a daughter of his, out of Anderson's Model, topped the American Royal sale at \$500. Mr. Null is now through with him and includes him in the sale, as well as a few sons of Anderson Model and a lot of other good things, as shown by the catalogue, which will be sent on application.

Old Men and Women Do Bless Him.

Thousands of people come or send every year to Dr. D. M. Bye for his Balm Oil to cure them of cancer and other malignant diseases. Out of this number a great many very old people, whose ages range from seventy to one hundred

years, on account of distance and infirmities of age, send for home treatment. A free book is sent, telling what they say of the treatment. Address Dr. D. M. Bye Co., Drawer 506, Indianapolis, Ind. [If not afflicted, cut this out and send it to some suffering one.]

Impure Blood.

Almost every one is a sufferer from some disease caused by impure blood, but only here and there one recognizes that in his blood lurks the seeds of disease, ready to manifest themselves at the first opportunity in some of the innumerable ways so dreaded by everybody. Every neighborhood has its afflicted, many seemingly incurable, with complaints that have gradually made their appearance, growing a little worse with each change of the season until chronic ailments, such as stomach, liver and bowel troubles are well developed. Each takes one or more forms peculiar to such diseases, but all are due to impure blood, to the absence from the blood of some necessary vital force, or the presence of some foreign element, which impairs its power to faithfully perform its duties, causing a long list of complaints which yearly drag thousands to the grave.

To purify the blood, eradicate disease, build up the system, Vitae-Ore is without a peer among remedial agents. No other remedy can equal it as a constitutional tonic, a blood vitalizer, renovator and regenerator. It contains elements needed by the blood, which are absorbed by it and, taking their proper place in the circulation, expel all foreign secretions that have been undermining the health. It supplies the wants of nature and can be depended upon to do its work under all conditions.

Read the 30-day trial offer made in this issue by the proprietors, the Theo. Noel Company, of Chicago.

The Farmer's Lantern.

We are showing herewith one of the ever-popular Dietz lanterns. This is done not so much to bespeak the virtues of this particular lantern, for Dietz makes many kinds and styles, but to call the attention of our readers to the fact that Dietz lanterns in general are typical of all that is best. It is but natural that this



concern should know all about the lantern business. It was established in New York City in 1840, and has consistently followed and confined its energies to this one branch of manufacture ever since. A good lantern is absolutely indispensable on the farm. A poor one is an intolerable nuisance. The good kind is as cheap and as easy to buy as the poor one. When you see a man that is satisfied with his lantern, if he uses it daily because there's no worry about it, easily lighted, extinguished, cleaned and filled, and if it burns steadily without flickering and sheds a strong, clear white light, the chances are his lantern is a Dietz. The name of Dietz appears on all his lanterns, so there's no chance for deception when one goes to buy. A Dietz lantern book will be mailed free to any one writing for it. See advertisement in another column for correct address.

Blackleg.

Stock-raisers have become convinced that blackleg can be prevented by vaccination, and the question is, what kind, what form and what make of vaccine is the best? The Pasteur Co.'s powder-form of vaccine is the best known, as it has been in use for nearly twenty years and it is the original preparation, the only drawback being the troublesome syringe-outfit. However, the cord- or string-form of vaccine introduced some years ago by the Pasteur Co. is the most convenient and has become the most popular, as it is always ready for use. Its application is very easy and it has proved to be as good as the old powder form. The cord-form is generally known under the short name of "Blacklegine." Both the Pasteur Powder Vaccine and Blacklegine are furnished for single treatment for ordinary stock, and for double treatment for fine stock. The double treatment costs 20 cents per dose in packages of ten doses, with reductions for quantities, while the single treatment costs from 15 cents down to 10 cents per dose, or even less, according to quantity. All stock-raisers in blackleg districts know that it pays to vaccinate, and they also know that it pays to use the best and original vaccine furnished by the Pasteur Vaccine Co., Chicago and San Francisco.

W. F. Schell, of Wichita, superintendent of the Kansas horticultural display for the World's Fair and owner of the Wichita nursery, tells the Kansas Farmer that John Alter, of Belle Plaine, has a large commercial orchard whose crop this year amounted to 12,000 bushels, and he is one of the staunch believers in Kansas as a fruit-country. Last spring he purchased 2,300 young apple-trees, every one of which is alive to-day. He purchased them of Mr. Schell, who feels that the results are attributable to his establishment. The card of Wichita Nurseries will appear regularly for the next year in the Kansas Farmer.

\$14.50 Round Trip Kansas City or St. Joseph to Chicago.

Via the Great Western Railway. Tickets on sale November 28, 29, and 30, good to return until December 7 on account of the International Live Stock Exposition. For further particulars apply to Geo. W. Lincoln, T. P. A., 7 West 9th St., Kansas City, Mo.

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Most perfectly adapted to wants of feeders. Feed goes twice as far and makes better feed. Our

Giant Killer Triple Geared Feed Mill

is the fastest sweep mill made. Light running and grinds ear and shelled corn and all grains coarse or fine. Strong and durable.

Northwestern Steam Cooker

leads all others. Return draft, quick steaming, large capacity. Don't buy either mill or cooker without seeing our descriptive circulars. Write for them today.

CASCADE MANUFACTURING COMPANY, Waterloo, Iowa.

John Deere Plow Co., Kansas City, Mo.



Hog Worms and Fever (Not Cholera) Is Killing The Hogs.

When buying a Remedy for your hogs don't look for the cheap per pound kind. Get the best and save your hogs. Read this letter:

"Will you please send 100 lbs. Rex Hog Remedy to me. I know what Rex Hog Remedy will do and don't want to try any other. I have tried different kinds but they don't do what yours will do. (Signed) J. S. McDonald, Mo. Valley, Ia.

REX HOG REMEDY is a very strong medicine. It costs only 2 cts. per hog per month to feed it. We believe it has more friends than all other Hog Remedies combined. 12½ lb. box \$1.25; 25 lb. box \$2.50; 100 lbs. \$9.50. Freight paid on 25 lbs. or more. Dealers in nearly all towns. Write us a card and you will get important information.

REX STOCK FOOD CO., Dept. 9, Omaha, Neb



15 YEARS ON THE MARKET AND THOUSANDS ARE FEEDING

GLOBE STOCK FOOD TO THEIR CATTLE, HOGS and HORSES

Because it aids their digestion, eradicates the worms, is a tonic for their systems, and costing less than 17 cents a month for a steer or horse and from 3 to 7 cents per month for hogs or shoats, is putting money in their pockets. There are a number of imitations selling at higher prices. There would be no imitations if it wasn't good.

O. ROBINSON & CO.

Kansas City, Mo.

Des Moines, Iowa

PUBLIC SALE OF SWINE AND CATTLE



TUESDAY, DEC. 1, 1903,

At 1 o'clock p. m.

J. F. Stodder, Burden, Cowley County, Kansas, will sell at Silver Creek Farm,

DUROC-JERSEY HOGS

30 Boars and 17 Sows.

Sales held at farm five miles north-east of Burden on the Santa Fe and five miles southeast of Atlanta on the Frisco. Free conveyance for parties from a distance.

WEDNESDAY, DEC. 2, '03.

At 10 o'clock a. m.

Marshall Bros., of Burden, Kans., will sell

30 Pure-bred Lost-pedigreed SHORTHORN COWS

All red, and bred to Waterloo Duke of Kearney, winner of third place at the American Royal Show of 1902. Also 20 heifers from above cows.

14 POLAND-CHINAS.

7 Boars and 7 Sows, and 65 Shoats.

For Catalogues address

J. F. STODDER, Burden, Kansas

Col. J. R. Mitter, Auctioneer.



No Other Light
except the sun itself can possibly be so useful to the farmer in stable, loft, cellar, doing a hundred chores, as a **DIETZ Cold Blast LANTERN.**
Wherever it goes it drives away blackness with its strong, steady, pure white light. It can't blow out. It is absolutely safe. There's no other so convenient. Dietz lanterns are not the common kind. But they don't cost any more. Let us send you free lantern book to learn to know them. Then you can get your choice from your local dealer.
R. E. DIETZ COMPANY, 95 Laight St., New York.
Established 1840

FREE TO ALL HOUSEKEEPERS
THE "1900" BALL-BEARING FAMILY WASHER WILL BE SENT FREE
to all housekeepers who answer this advertisement, with out deposit or advance payment of any kind, freight paid both ways, on 30 days' trial. Unquestionably greatest family labor saver ever invented. Saves time, expense, and wear and tear. Will do the family washing without boiling clothes, hand-scrubbing or back-breaking. Revolves on bicycle ball bearings and is therefore easiest running washer ever made. Will do two hours' washing in ten minutes. Washes blankets as well as laces, absolutely clean, and without the slightest injury.
EAST PLYMOUTH, OHIO.
P. O. Ashtabula, O.
We have been using the "1900" Washer since May 15, 1900. Have done over 1,200 washings, and I think it is good for as many more. We do family work from Ashtabula. We have used 5 different machines, and the "1900" beats them all for good and fast work and durability.
GEO. M. BURNET.
It costs nothing to try. Sent absolutely free, freight paid both ways, for a trial of 30 days. No money required in advance. Write at once for book and particulars to
THE "1900" WASHER CO.,
2567 State St. BINGHAMTON, N. Y.
References: First National Bank, Binghamton, N. Y.

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The Young Folks.

CONDUCTED BY RUTH COWGILL.

THANKSGIVING PIE.

Ah, on Thanksgiving Day—when from East and from West, From North and from South come the pilgrim and guest, When the gray-haired New Englander sees round his board The old broken links of affection restored, When the care-wearied man seeks his mother once more, And the worn matron smiles where the girl smiled before, What moistens the lip and what brightens the eye? What calls back the past like the rich pumpkin pie?

Then thanks for thy present—none sweeter or better E'er smoked from an oven or circled a platter. Fairer hands ne'er wrought a pastry more fine; Brighter eyes never watched o'er its baking than thine; And the prayer, which my mouth is too full to express, Swells my heart that thy shadow may never be less— That the days of thy lot may be lengthened below, And the fame of thy worth like a pumpkin-vine grow, And thy life be as sweet, and its last sunset sky Golden-tinted and fair as thine own pumpkin pie.

Oh, fruit loved of boyhood! the old days recalling, Where wood grapes were purpling and brown nuts were falling; When wild ugly faces we carved in its skin, Glaring out through the dark with a candle within; When we laughed round the corn heap, with hearts all in tune, Our chair a broad pumpkin, our lantern the moon, Telling tales of the fairy who traveled like steam, In a pumpkin-shell coach, with two rats for her team.

—John G. Whittier.

The First Thanksgiving.

The first Thanksgiving was celebrated by the Pilgrims in 1621, in the second year after their arrival on the bleak and barren New England shore. I have found Governor Bradford's account of it:

"You shall understand that in this little time that a few of us have been here, we have built seven dwelling-houses and four for the use of the plantation, and have made preparation for divers others. We set the last spring some twenty acres of Indian corn, and sowed some six acres of barley and pease; and, according to the manner of the Indians, we manured our ground with herrings, or rather shads, which we have in great abundance, and take with great ease at our doors. Our corn did prove well; and, God be praised, we had a good increase of Indian corn, and our barley indifferent good, but our pease not worth the gathering, for we feared they were too late sown. They came up very well, and blossomed; but the sun parched them in the blossom.

"Our harvest being gotten in, our governor sent four men on fowling, that so we might, after a special manner, rejoice together after we had gathered the fruit of our labors. They four in one day killed as much fowl as, with a little help beside, served the company almost a week. At which time, amongst other recreations, we exercised our arms, many of the Indians coming amongst us, and among the rest their greatest king, Massasoit, with some ninety men, whom for three days we entertained and feasted; and they went out and killed five deer, which they brought to the plantation, and bestowed on our governor, and upon the captain and others. And although it be not always so plentiful as it was at this time with us, yet by the goodness of God we are so far from want, that we often wish you partakers of our plenty."

How strangely different were conditions then, and how vastly greater seem our own causes for thanksgiving! Yet there are only a few things essential to happiness.

"For health, for food, for love, for friends, For everything Thy goodness sends, Father in Heaven, we thank Thee!"

The Thanksgiving Feast—Ancient and Modern.

"O give thanks unto the Lord; for he is good: because his mercy endureth forever!" "Because thy loving kindness is better than life, my lips shall praise thee."

Thanksgiving, the great gala-day of our forefathers, is still observed as a

religious and family festival, but in this age of ease and luxury there is little to suggest the ancient celebration. Our ancestors with hearts filled with gratitude to God for the protection and many mercies bestowed upon them in the new country of their adoption, gave thanks under difficulties. Going to and from church in the snows and frequent storms of the bitter New England winter was in itself a tax upon courage and strength as well as a severe test of gratitude and piety. The edifice reached, it was fireless, and in spite of the freezing atmosphere, the prayers and sermon long, and, although earnest and fervent, from the standpoint of to-day would be judged dull and tiresome. Nevertheless, the Puritan fathers, mothers, and children assembled, the warmth in their grateful hearts sustaining them to encounter and battle with the obstacles. Those were times of toil, hardship, and self-denial little understood or appreciated by the present generation. The simple life, regular habits, the strictly maintained custom of "early to bed and early to rise," together with plain, wholesome food, active exercise and fresh, pure air developed stalwart men and robust women, sound in mind and body. God-fearing, industrious, honest, and sincere, their descendants have much to be proud and thankful for in such noble ancestry.

In Colonial days the best of everything was brought forth for the Thanksgiving dinner, whether treasures of linen, china, or silver, they were none too precious to use on that occasion, as housewives then had little of beauty or art to crown the feast.

The Thanksgiving menu of early times we are told included oysters, clams, game of different sorts, turkey, vegetables, and as a special dainty, the dish of Indian origin and preference—succotash. The same delicacies now appear (with many others unknown to Puritan cooks) on the modern Thanksgiving board as suggestive of bygone days.—Table Talk.

A Two-course Thanksgiving Dinner One Hundred and Fifty Years Ago.

FIRST COURSE.

At the upper end of your table a pike roasted with a pudding in its belly, afterward removed (not the pudding but the fish); for your gravy, soup (a brown soup).

Under that a venison patty, and Under that a gilet pte. On the further side a fine boiled pudding (a roly poly or suet pudding). On the nearer side of the gilet pte, some Scotch collops; croquettes of larded veal fried in butter and served with spiced oyster sauce, flavored with white wine.

At the bottom of the table a dish of roast beef with horse radish and pickles.

SECOND COURSE.

At the upper end of the table a turkey roasted, with an oyster pudding in belly.

Under that a tansy (a sort of baked custard), garnished with orange. On the further side a hare with savory pudding. On the nearer side wood-cocks with toast.

And at the bottom of the table a pumpkin pte.

SONG OF THE CRANBERRY.

When from each blessed home go up thanks of the Nation; When unbroken the joy round each well-laden board; When the laugh, and the joke, and the baby's oration, Make each moment the day brings a jewel to hoard; Then I, blushing berry of the bog, Where the will-o'-wisp is lantern to the frog, Am the sauce of the day—no one can say me nay; I'm the Thanksgiving beauty from the bog!

When the Parson sonorously asks down a blessing; And the Grandfolk look proud o'er each inch of their line; When the limit of girths is attained with-in dressing; And praise rings for all things from soup plate to wine, Then I, blushing berry of the bog, Where the will-o'-wisp is lantern to the frog, Am the sauce of the day—no one can say me nay; I'm the Thanksgiving beauty from the bog!

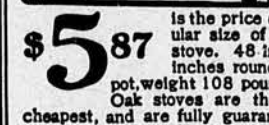
—Charles McIlvaine.

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For the Little Ones

TEN LITTLE PUMPKINS.

Ten little pumpkins sitting on a vine;
Through the fence a cow's head came,
then there were nine.

Nine little pumpkins growing near the
gate;
Over one a wagon rolled, then there were
eight.

Eight little pumpkins growing round and
even;
Baby thought he'd found a ball, then
there were seven.

Seven little pumpkins with the tall weeds
mix;
Along came the gardener's hoe, then there
were six.

Six little pumpkins left to grow and
thrive;
On one the pony stepped, then there were
five.

Five little pumpkins where ten grew be-
fore;
One withered in the sun, then there were
four.

Four little pumpkins, green as green can
be;
Johnny made a lantern, then there were
three.

Three big green pumpkins; then said lit-
tle Sue,
"Make me a lantern, please," then there
were two.

Two yellow pumpkins ripened in the sun;
Aunt Mary took one home, then there
was but one.

One ripe pumpkin, largest of the many,
Robbie found for grandma—then there
wasn't any.

—Ninette M. Lowater, in Youth's Com-
panion.

A THANKSGIVING SONG.

For sowing and reaping, for cold and for
heat,
For sweets of the flowers, and gold of the
wheat,
For ships in the harbors for sails on the
sea,
O Father in Heaven, our songs rise to
Thee.

For parents who care for us day by day,
For sisters and brothers, for work and for
play,
For dear little babies, so helpless and
fair,
O Father, we send Thee our praise and
our prayers.

For teachers who guide us so patiently
on,
For frolics with mates when our lessons
are done,
For shelter and clothing, for every day's
food,
We bless Thee, our Father, the giver of
good.

For peace and for plenty, for freedom, for
rest,
For joys in the land from the East to the
West,
For the dear starry flag, with its red,
white and blue,
We thank thee from hearts that are hon-
est and true.

For waking and sleeping, for blessings to
be,
We children would offer our praises to
Thee;
For God is our Father, and bends from
above
To keep the round world in the smile of
His love.

—Margaret E. Sangster.

TOMMY'S THANKSGIVING.

I'm thankful for a lot of things:
I'm thankful I'm alive
I'm thankful that I'm six years old,
Instead of only five.
I'm thankful for my tops and toys
And for my Kitty Gray.
I'm thankful for the big outdoors,
Where I can run and play.
I'm thankful for the things that grow,
The apples—aren't they good?
The corn where we played hide-and-seek
As in a little wood.
I'm thankful for the pumpkins round,
Just like a golden ball,
And jack-o'-lanterns, big and queer,
They don't scare me at all.
I'm thankful for Thanksgiving Day,
For pies all in a row;
I'm thankful grandma made them sweet,
She knows I like them so.
I'm thankful for the turkey, too,
How brown it is, and nice!
And I'd be very thankful, please,
For only one more slice.

—Elizabeth H. Thomas, in Youth's Com-
panion.

The Story of the First Thanksgiving.

WRITTEN FOR THE LITTLE CHILDREN OF
KANSAS, BY LIDA H. HARDY.

Dear Children:—A long, long time
ago—as long ago as almost three hun-
dred years—there lived away across
the big ocean, in the land of England,
a great many good people. At this
time there ruled over England a King
who wouldn't let the people pray to
the dear, heavenly Father as they
wanted to. The people had to mind
the King, you know. If they didn't
he wouldn't let the papa's have the
money they'd worked for. And then
there wouldn't be anything to buy the
children's shoes and bread and butter
with.

Sometimes the good people would
meet together in the barn to say their
prayers, but the King would find out

about it, and then he would put them
in jail or drive them away from home.
This bad treatment made them very
unhappy and at last they thought they
would go away from that country.
They wanted to find a land where they
could sing praises to God and say their
prayers in their own way. So they
packed up their things and went far
away to a country called Holland.
About this time they named them-
selves "Pilgrims." Pilgrims, you
know, are people who go traveling
around, hunting for a happy land. In
Holland, for a time, they were happy,
but as the children grew older they
learned to speak Dutch and were not
at all like English children. They
were beginning to learn naughty ways,
too, and, worst of all, they did not
want to go to church.

This made the mamas and papas
very, very sorry. They said: "We
can not have our children grow up like
this. We must take them and go to
still another country, where they may
grow up to be useful men and women,
loving and serving God." Then they
asked the kind, good God to help them
and to show them where to go.

After a great deal of thinking and
talking and planning and praying, they
started for America. (That is our
country, you know.)

They rented two large ships. One
was called the Mayflower. The other
was called Speedwell. Speedwell was
not well made, and after she had start-
ed, the captain had to go back with
her. The Mayflower went back, too,
and after the people (one hundred in
all) had crowded on that ship, they
started for the second time on their
long ride over the ocean. My, but they
did get cold and hungry and tired!
The big ship would rock 'way up and
then 'way down. And sometimes the
children just couldn't keep from cry-
ing and wishing they had never start-
ed for America.

I must not forget to tell you that
when the Mayflower was half way
across the ocean, a dear little baby
was born, who was named "Oceanus,"
because he was born on the ocean.

The children were happier after this,
because the baby's mama would let
them come and play with him. At last,
after two long months of sailing, they
came to America one Saturday night
in a dreadful storm of rain and sleet.

The next day was Sunday, and, al-
though they were tired, hungry, cold
and wet, with their clothes frozen stiff
upon their bodies, they spent the day
talking with God and singing praises
to Him.

My dear children, you do not won-
der now, do you, that we love to think
and talk about our brave Pilgrim fath-
ers, who were willing to give up their
homes and even their lives that they
might worship God in the right way?
The very rock upon which they first
stepped is taken care of now and is
called Forefathers' Rock.

The brave captain's name was Miles
Standish. Soon after they landed he
went with some of the men to see if
there were any white people near
them, but they only saw some wild
Indians, who did not come near enough
to even say "How!"

At last the long, hard winter passed
away and the beautiful springtime
came. O how happy the children were
then, gathering the sweet violets,
spring-beauties, buttercups, ferns, and
bluebells, chasing the pretty butterflies
and listening to the joyous song-birds!

One bright day, the Pilgrims were
surprised by hearing a voice which
said: "Welcome, Englishmen!" And
there they saw a kind Indian whose
name was Sam-o-set. After this, Mas-
sasoit, the Indian chief, came to make
a visit, and he was kind, too. After a
while another friendly Indian came
and made a long visit. This Indian's
name was Squanto. He taught the Pil-
grim's how to plant their corn and how
to make their gardens.

Then, when the autumn came and
the corn and grain had been gathered,
the hearts of the people were filled
with thanksgiving.

"O, let's have a Thanksgiving
party!" they said, "and let's invite
the friendly Indians!" And they did.
First they went to their church and
thanked God for sending the sunshine

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and the rain to make the grain and
vegetables grow. And in thanking
Him for all the other gifts they did not
forget to thank Him for sending the
friendly Indians. For three whole
days after this, the Pilgrims and the
Indians just spent a happy time togeth-
er. The Indians brought five deer with
them, for the party. Besides this,
there were wild geese, wild turkeys,
wild ducks, fish from the sea, and plen-
ty of nice bread and cakes. Every
Pilgrim and every Indian thanked God
for His gifts, before each meal during
those three days.

I think that this first Thanksgiving
party must have been one of the very

best there ever was, because the
hearts were so full of God's love.

Since that time there has been kept
each year, one day, when all the peo-
ple in the country stop to say, "Thank
you," to the dear, heavenly Father for
all that He does for His children.

Let us all thank Him on that day by
sharing our good things with those
who are in need. Jesus says in the
Good Book, you know, that when we
do this, it is just the same as if we
did it for Him.

The great pressure of Thanksgiving
matter in this number of the Kansas
Farmer makes it necessary to leave over
until next week the continuation of "The
Autobiography of a Collie Dog."

The Home Circle.

CONDUCTED BY RUTH COWGILL.

THANKSGIVING.

Sweet was the song of the robin,
Blithe was the hum of the bee,
In the day when the drift of the blossom
Was light as the foam of the sea,
Then deeply was cloven the furrow,
And gaily they scattered the seed,
Who trusted that rainfall and sunshine
Would surely be given at need.

The robin hath flown to the tropic,
The honey-bee flitteth no more,
The reaper hath garnered the harvest,
And the fruit and the nuts are in store.
The flame hath died out on the maples,
We tread on the loose-lying leaves,
And the corn that was steady and stal-
wart
Is gathered and bound into sheaves.

And sweeter than music of springtime,
And fuller of jubilant mirth,
Are the strong-tided chorals o'erflowing
From the hearts where thanksgiving
hath birth.
The songs of the home and the altar,
The gladness of children at play,
And the dear love of households united
Are blending in praises to-day.

For pasture lands folded with beauty,
For plenty that burdened the vale,
For wealth of the teeming abundance,
And the promise too royal to fail,
We lift to the Maker our Anthems,
But none the less cheerily come
To thank Him for bloom and fruition,
And the happiness crowning the home.

Oh, the peace on the brow of the father,
The light of the mother's clear eyes,
The lift in the voices of maidens
Who walk under dream-turtailed skies,
The dance in the feet of the wee ones,
And the sparkle and shine in the air!
The year has no time like Thanksgiving—
A truce to our fretting and care.

Sweet was the song of the robin,
Blithe was the hum of the bee,
In the day when the drift of the bloom
Was light as the foam of the sea,
But sweeter the silence of autumn,
That maketh a space for the strain
Of the joyance of home, when the har-
vest
Is gathered from hillside and plain.
—Anon.

Directions for the Scientific Carving of a Turkey.

Supposing the fowl to be carved is a turkey (and one is always anxious to do full justice to this typical American bird of the feast): The bird is placed upon its back, on an ample platter, and so arranged that its neck comes toward the left hand of the carver. That person will find his labor much easier if he stands at the task, though a sitting position is allowable if the seat is high enough to give ready command of the scene of operations.

At the first movement, the fork is thrust as deep as it will go into the highest part of the breast of the turkey as it lies on its back, the tines passing down each side of the ridge of the bone. This is for the purpose of holding the fowl, alone; it is a mistaken idea that the fork is to be used in connection with or as a supplement to the knife. The latter, properly handled, will take care of its work. It is first drawn with a deep cut close in between the side and the leg next the carver. This will almost, if not quite, strike the joint, and as the leg is slightly bent away from the body the joint will be exposed. With a deft movement the knife is passed through the joint and the outside flesh, so that the severed member drops upon the platter. If the entire bird is to be used, the leg on the other side is cut away in the same manner; if only a portion is to be used for the present meal, the further side is left intact until wanted.

The wings are the next point of attack. The knife is to be held almost parallel with the body of the fowl, the edge downward, and the cut is made through the point of the shoulder, aiming directly at the joint. If the position of the knife was correct at the start, and a direct cut was made, the blade will pass directly through the joint, and without an effort the wing will drop upon the platter. If it is necessary to remove these pieces, the wings should be lifted by the knife, while the legs may be taken up in the same way, or by the fingers grasping the exposed lower end of the bone. The fork is not to be removed from the breast till the carving has been finished; its office is simply that of a handle.

The wings having been disposed of, the breast nearest the carver is attacked, being cut into very thin slices, with the knife slanting slightly toward

the wings, so as to give to each slice a bit of the crisp outside. The cuts are made downward, beginning near the neck, and with a keen knife, directed by a little experience, very delightful results may be obtained. Each piece, as it is severed, will fall into position, making a handsome pile. After the other side has been treated in like manner, if that is to be done, the knife is inserted between the breast bone and the wishbone, the latter being cut away, with a nice bit of white meat attached. This opens the way to the dressing in that portion of the fowl, while simply cutting away the skin at the rear gives access to the remainder. The wings and legs are cut apart at the joints, and if the fowl is of any considerable size, slices are cut from the thigh section and generally a single slice from the drumstick.

Nothing now remains but to break up the skeleton, which is seldom done at table, though it is well to include the mode of operation against a time of need. First the breast-bone is removed, by raising its peak with the fork, and turning it over toward the neck, near the base of which it is disjointed. The neck itself can be separated at one of its lower joints, and only "breaking the back" remains. This is done about three inches above the tail—and the task has been completed—nothing very difficult about it, after all! It should be added that no carving can be done neatly and perfectly unless the cooking has been properly watched. If the meat is overdone it will crumble and fall away, even before the keenest blade; while if it is not cooked sufficiently the cutting will be done with greater difficulty.—Good Housekeeping.

To Use the "Left-overs" of the Thanksgiving Dinner.

There are many dainty ways of using bits of cold turkey. To scallop turkey, cut the meat from the bones of cold boiled or roasted turkey, remove the skin, and cut the meat fine. Put in the bottom of a buttered dish a layer of bread-crumbs moistened slightly with milk—or, if it is a boiled turkey, use some of the liquor it was cooked in—then spread a layer of the minced turkey, with bits of the stuffing, some pieces of butter, and pepper and salt, then another layer of crumbs, and alternate them until the dish is filled. Pour over the whole whatever dressing may have been left, and if there is not enough, add a little hot water to it and season with a teaspoonful of Worcestershire sauce. Spread crumbs over the top and scatter bits of butter over them. Cover the dish with a plate and bake in a brisk oven. As soon as it is thoroughly heated remove the plate and brown. Serve at once.

An appetizing way of using bits of turkey cold is thus: Take the pieces of turkey and free them of bone and skin; if there are any good-sized pieces, cut them in half. Put the meat in a saucepan with whatever stuffing and dressing may have been left and a tablespoonful of butter. Season liberally with salt and cayenne pepper. Place over the fire, and when the mixture boils break into it an egg and stir thoroughly. Turn into a buttered mold, and when cold turn it out on a dish and slice nicely.

To make creamed turkey, pick the meat from the bones of a roasted or boiled turkey and cut into small pieces. Allow one pint of meat for

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the following dressing: Put in a double boiler one pint of cream or rich milk and place over the fire; rub together two tablespoonfuls of flour with one of butter, and stir into the milk when boiling; add salt and cayenne pepper and stir until it thickens like custard; mix the meat with the dressing and fill buttered individual shells with the mixture; sprinkle cracker-dust over the top of them with bits of butter and bake in a hot oven fifteen minutes.

To bone a turkey, slit the skin down the back with a sharp knife, and, raising one side at a time, with the fingers separate the flesh from the bones until the wings and legs are reached, unjoint these from the body, and, cutting through to the bone, turn back the flesh and remove the bones. The flesh may be reshaped by stuffing. Stuff with force meat made of veal and a little pork chopped fine, and season with salt, pepper, sage, or savory, and the juice of a lemon. Sew in shape, and press the wings and legs close to the body, tie all firmly so that the upper surface may be smooth and plump. Lard the breast with narrow strips of firm fat pork, and bake until thoroughly done, basting often with salt and water and a little butter. Serve with a giblet dressing, to which has been added a cup of strained tomatoes.

To boil a boned turkey: When it is stuffed, roll the fowl tight in a piece of cheese-cloth and tie firmly with a twine to keep secure and in shape. Place in a stock previously prepared by putting the bones in cold water with some herbs, an onion peeled and stuck with a dozen cloves, a carrot, and a turnip sliced. Boil the turkey gently for four hours at least, then take it out and remove the cloth and place on a dish. Strain the stock, remove the fat, and set over the fire. Add two ounces of gelatine dissolved in cold water. Strain the liquid jelly through a fine sieve over the turkey. When cold, garnish with parsley or cress and sliced lemon.

To make a giblet dressing for roast turkey, put the giblets and neck in a

saucepan with cold water and add an onion, salt and pepper, and a slice of dry bread that has been made very brown in the oven. Boil until the giblets are done, then strain the stock. Chop the giblets fine and put them and the stock back into the saucepan, dredge with a little flour, add the brown gravy from the bottom of the pan in which the fowl was cooked, after skimming off the fat. Serve hot in a gravy-boat.

Sauces for boiled turkey—Chestnut sauce: Shell and blanch three dozen French chestnuts. Boil in water enough to cover them for thirty minutes. Drain off the water and pound the nuts to a paste. Add one tablespoonful of melted butter, half a teaspoonful of salt, and a dash of cayenne pepper. Stir gradually into the paste one pint of milk. Rub the mixture through a coarse sieve, and place over the fire in a double boiler to cook for half an hour.

For celery sauce, cut one quart of celery into small pieces and add one quart of milk. Put in a double boiler with an onion in which four cloves have been stuck, and cook until the celery becomes tender. Remove the onion and spice and thicken with a little flour that has been moistened with some of the stock that the fowl was boiled in. Season with salt and pepper and boil for five minutes. It should be as thick as custard.—New York Sun.

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Our Club Roll.

Mutual Improvement Club, Carbondale, Osage County (1895).
Give and Get Good Club, Berryton, Shawnee County (1902).
Woman's Literary Club, Osborne, Osage County (1902).
Ladies Reading Club, Darlington Township, Harvey County (1902).
Woman's Club, Logan, Phillips County (1902).
Domestic Science Club, Osage, Osage County (1888).
Ladies' Crescent Club, Tully, Rawlins County (1902).
Ladies' Social Society, No. 1, Minneapolis, Ottawa County (1888).
Ladies' Social Society, No. 2, Minneapolis, Ottawa County (1889).
Ladies' Social Society, No. 3, Minneapolis, Ottawa County (1891).
Ladies' Social Society, No. 4, Minneapolis, Ottawa County (1897).
Chalitto Club, Highland Park, Shawnee County (1902).
Cultus Club, Phillipsburg, Phillips County (1902).
Literatae Club, Ford, Ford County (1903).
Sabean Club, Topeka, Shawnee County, R. R. No. 2 (1903).
Star Valley Woman's Club, Iola, Allen County (1902).
West Side Forestry Club, Topeka, Shawnee County, R. R. No. — (1903).
Fortnight Club, Grant Township, Reno County (1903).
Progressive Society, Rosalia, Butler County (1903).
Pleasant Hour Club, Wakarusa Township, Douglas County.
Progressive Society of Butler County (1903).
[All communications for the Club Department should be directed to Miss Ruth Cowgill, Editor Club Department.]

The Progressive Society of Butler County.

MRS. J. W. HOULTON.

Our club is composed of gentlemen and ladies, old and young, and we intend taking up subjects of interest to farmers.

At our next meeting we are to discuss the "Parcels Post." A little general information on the subject in the KANSAS FARMER would be a help if you have time and space for it.

To whom shall I write to get information about traveling libraries, the kind of books to be had, etc? Do they come in sets on certain subjects?

We make the acquaintance, this week, of the Progressive Society, of Butler County. It is the first country club of which we have knowledge, which includes both men and women. We hear, again and again, with delight, that the farmers are equally as enthusiastic as their wives over the country-club movement, but this is the first instance of active cooperation. We are glad to know of this instance. When men and women study together, with the real and earnest desire to learn, they gain much from each other. The man's point of view is eternally different from the woman's, yet each is wiser and broader and happier for learning from the other.

The Progressive Society has been very kind in sending us a paper which was read at one of its meetings, which appears in this column.

The information as to the Parcels Post appeared in the Grange Department of last week. I am extremely sorry that it could not have been obtained sooner.

For information about traveling libraries, address Miss Nellie G. Armentrout, secretary Kansas Traveling Libraries Commission, Topeka, Kans. You can have any class of books that you wish. They come in sets of fifty, on certain subjects if so specified, or in a miscellaneous collection, if not specified. There are sets of history of different Nations, of geography, science, fiction, etc. These libraries are a very valuable acquisition for any club, and we are glad that this turlly "progressive" society intends getting one.

Should Agriculture Be Taught in the Public Schools?

MRS. HESTER PARKS, PROGRESSIVE SOCIETY, BUTLER COUNTY, KANSAS.

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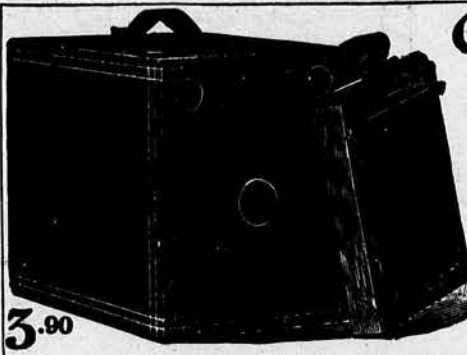
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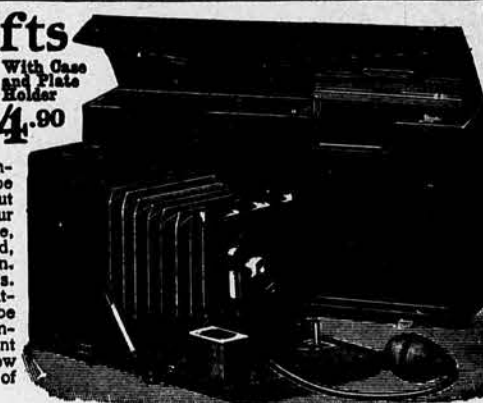
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would be compelled by law to study chemistry. If they wished to be merchants, bankers, book-keepers or salesmen of any kind, they would need a thorough course in mathematics. If they would be lawyers or politicians, they would need to have some knowledge of law. So to me it seems plain that if boys or girls expect to be a success as farmers, they should study the business in all its details; first, as to the kind of soil needed to produce certain kinds of grains or grasses, and just why such kinds of soil are required. They should understand the elements and component parts of soil, so they will know whether the soil they are trying to farm needs a coat of lime, ashes, bone-dust, barnyard fertilizer, or simply needs to be lubricated with a liberal amount of the oil commonly known as "elbow grease." If a thorough knowledge of the anatomy of a fat steer will enable a butcher to tell just how near to the horns or tail he can cut and still have sirloin steak, then a thorough knowledge of agriculture (and by that I mean to include stock-feeding and dairying) should enable our farm boys and girls to rise above the low, taunting epithet "clodhopper" or "hayseed," so often flung at them by would-be smarties; and those dudes and dudines would be proud of acquaintance with "Those scientific young farmers, Wm. Smith and Samuel Jones;" or "Those successful horticulturists and fruit-growers, the Misses Jane and Mary Banks." Where, pray tell us, can our boys and girls be better taught the rudiments of agricultural science, or with less expense than in our public schools? Such teaching should not interfere with or take the place of any branches already taught, but be supplementary thereto. F. D. Coburn, by his intimate knowl-

edge of farming and farm requirements in our State, is capable of greater good and will be honored by more people than if he occupied a front seat in the United States Congress. Shall agriculture be taught in our public schools?



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TRANSIT TO THE INTERNATIONAL ALL RIGHT.

(Continued from page 1205.)

venience on account of the strike in Chicago. Only one of the city's vast street car systems is affected. All of the steam railways have direct connections over their own lines with the stock yards, practically entering the International Live Stock Exposition grounds, and arrangements have been perfected to run trains from all the depots in the city direct to the show, sufficient to carry all visitors. A fifteen-minute service will be in effect all day until close of the night show on the Stock Yard "suburban line" from the Lake Shore Depot in the city, and train service in connection with the South Side elevated from 40th Street and Indiana Avenue, practically as often as the street-cars run. By this arrangement for moving the visitors, it will be done with greater ease and better facilities than any street railway would be capable of doing.

We are assured by W. E. Skinner, general manager of the exposition, that there is no trouble in the city and everything is quiet, so that visitors need not fear any annoyance from any source whatever. The stock that will be in the show this year is superior to anything ever displayed before on either hemisphere. The great expense and amount of labor put by the stockmen of the country into their exhibits should bring ever person interested in the welfare of agriculture in the United States to this exposition. The boarding-house committee have some five thousand rooms listed of easy access to the exposition grounds, and the immense hotels of the city will maintain their rates, so that all will be cared for in a pleasant manner.

THE PANAMA CANAL.

The attention of the civilized world is just now centered in the little strip of mountain and morass which joins South America to Central America. The small revolution which occurred in the State of Panama by means of which that state set up a government independent of Colombia, of which Panama had been a part, would attract small notice were it not that Panama is an isthmus across which the commerce of the world has long desired a waterway.

Colombia had realized the advantages of its sovereignty over this isthmus and had driven an advantageous bargain with a French company which had undertaken to construct the canal.

The United States had for more than half a century cherished a definite purpose to construct and control a canal from ocean to ocean. After the French had preempted the Panama route, American attention was directed to a plan to dig a longer canal along the line between Nicaragua and Costa Rica to Lake Nicaragua, to deepen a ship-way through miles of shallow lake, and to drop down a rather steep decline to the Pacific. The Atlantic, or Caribbean end of the proposed Nicaragua Canal is about 500

miles northwest of the Atlantic end of the Panama Canal. The relative locations of the two routes are fairly shown on the accompanying map.

Experts from the United States had carefully investigated both routes. The French company had spent very large sums on the promotion and construction of the Panama Canal and had found itself unable to complete the work. It was finally agreed that the United States should buy out the French company for \$20,000,000, provided a suitable treaty could be concluded with Colombia. This treaty was negotiated, but failed of confirmation by the Colombian Congress.

The people of the Isthmus, especially those of the two cities, Panama on the Pacific and Colon on the Atlantic side, were greatly disappointed. They revolted, and without bloodshed got rid of the last vestige of Colombian authority on the Isthmus and established a provisional government. This government is virtually protected against forcible subjugation by the fixed purpose of the United States to prevent fighting on the Isthmus on account of the interference which would result to traffic via the Isthmian railway.

Many diplomatic reasons are assigned to justify the United States for its manifest partiality to the revolutionists. However important these may be, there is little doubt but that the commerce of the world would have forced a passage across the Isthmus had the diplomatic reasons not existed, and would have looked to the United States to use the mailed hand. The fact that Colombia stood as a brigand forbidding passage except on brigand's terms, and that the United States found opportunity to thwart the purposes of the brigand, will probably weigh more, in the estimation of posterity, than the attempts at diplomatic justification.

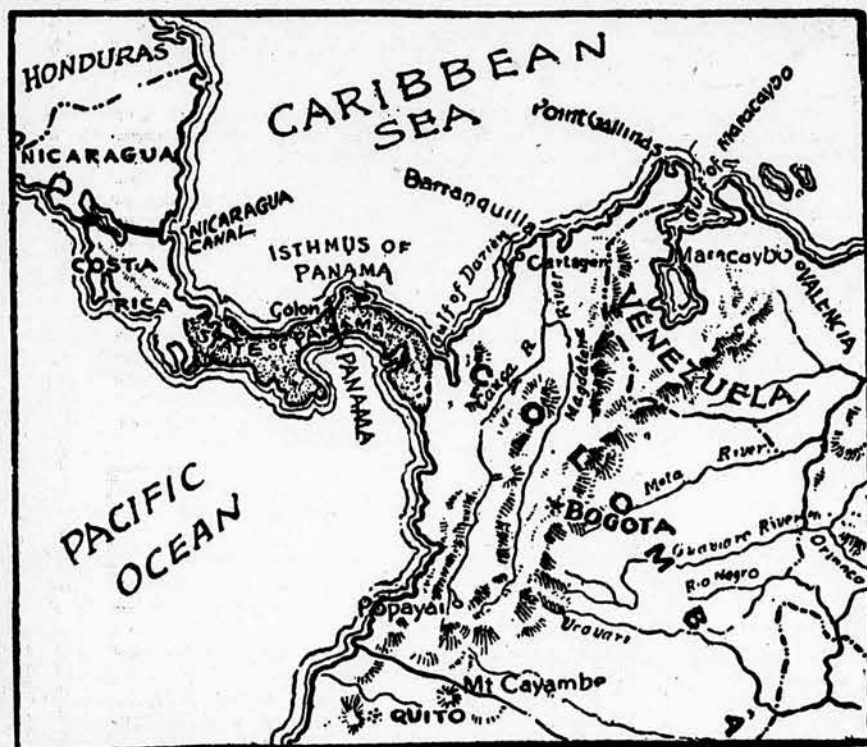
At this writing, a treaty has been negotiated with the provisional government of Panama. This is much like that attempted with Colombia. It provides for the payment of \$10,000,000 to Panama for the right of way and other concessions, and the further payment of \$250,000 a year perpetually. It gives the United States full control of the right of way, and, if the maintenance of order requires, to sovereignty over the two terminal cities.

Colombia now sees that she has suffered a terrible loss on account of her greed. She has suggested a willingness to be reasonable if only restored to control of Panama.

The world looks approvingly on the course pursued by the United States. History is being made very rapidly.

Consult our table of "Coming Events" and figure out which you will attend. Some of the most successful farmers of Kansas make it a rule to be at all State meetings devoted to farm subjects.

The Iowa State Farmers' Institute and Agricultural Convention will be held at Des Moines, December 7, 8,



THE LAND OF THE GREAT CANAL.

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and 9, 1903. A mature corn exhibit on which prizes will be awarded is to be held at the time of the convention.

There has not been in several years so favorable a time as the present to secure choice pure-bred animals for the foundation of a herd of cattle. Some will take advantage of the opportunity and follow on to fortune.

A Rush to Oklahoma.

Oklahoma has lately come to the front as a possible field of mining development, and already there has been something like a stampede to the district around Lawton, from which promising reports of the discovery of gold have come.

At the present time, treatment facilities are lacking. The only ore thus far shipped was sent to the smelters at Denver. The shipment comprised a carload, and the returns reported will give a great impetus to the excitement. Considering the fact that the material was not sorted, the returns, showing up into two figures, must be considered very good indeed. Assays made on smaller samples carry very much higher, but after all it is the smelter returns that count. The result attained on the car of unsorted ore will appeal more to informed mining men than all the picture assays which could be reported.

There is talk of installing a smelter in the district, and, judging by the character of the men becoming interested, it is not unlikely that other similar enterprises will be started in the near future.—American Mining News.

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In every county—reliable, energetic man to sell on commission, especially to the Farmers and Threshers our line of High Grade Lubricating Oils, Greases; also Roof, Barn, and House Paints. Apply at once. Address The Woodland Oil & Grease Co., Cleveland, O.

When writing advertisers, please mention Kansas Farmer.

Gossip About Stock.

S. W. Chase, Winfield, Kans., writes that he has a sure cure for fistula and poll-evil which he will send to any one who will write for it, sending a self-addressed stamped envelope.

We are pleased to announce to those of our readers interested in the purchase of registered Percheron stallions, mares and fillies, that an opportunity to buy at auction will be offered by C. W. Hurt, at Arrowsmith, Ill., on January 12, 1904, the great draft-horse headquarters of that State. Notice advertisement on page 1223.

The Poland-China breeders of Washington County, consisting of L. P. Fuller and A. M. Driskell, Morrowville; D. M. Linn, D. A. Kramer, David Cook, John Bradshaw, W. P. Young, of Washington, will hold a breeders' combination sale of Poland-Chinas of fifty bred sows at Washington, Kans., on February 4, 1904.

C. W. Freelove, breeder of Tamworth hogs, Clyde, Kans., has been having a lively trade, and he figures that after December 10 he will not have any spring boars for sale, but he has on hand thirty fall sow pigs which he wishes to dispose of so as not to carry so many over the winter. He reports his herd as being in very fine condition.

Secretary Park announces that the next annual meeting of the American Gallopway Breeders' Association will be held at the Sherman House, Chicago, December 3, 1903, at 7:30 p. m. Owing to the prosperous year enjoyed by its members it is hoped that there will be a large turnout at the annual meeting. No person can vote but one proxy.

The combination sale of Shorthorn cattle held at Sedalia, Mo., November 17, did not realize values that the consignors were entitled to, and thirty-five head only brought \$2,132.50, an average of \$60.93. The eight bulls averaged \$63.33, and 27 cows and heifers averaged \$60. Owing to the stormy weather which prevailed during the sale, only 35 of the 53 catalogued were sold. It was certainly a great day for the few buyers who were present, as the cattle were in good condition and of excellent breeding.

After a lingering illness, Mr. William Austin, of Emporia, Kans., died on the 21st inst. He had a fortune of a quarter of a million dollars left him a number of years ago and was quite prominent for a time as an importer of draft horses and for his liberal donations to the college of Emporia and loans to impecunious friends, yet he died a very poor man, leaving a wife and five children. It is hoped that the friends who helped him to part with his fortune may now have qualms of conscience sufficient to induce them to help his family in distress.

A. G. Dorr, Osage City, Kans., who has been successfully breeding Duroc-Jersey swine, which he has occasionally advertised in the Kansas Farmer, now places a yearly breeders' card in which he announces that he has a splendid lot of sows and gilts, some bred and others open, which he will sell at a reasonable price. Mr. Dorr enjoys the reputation of selling first-class stock and giving entire satisfaction to his customers. His herd has already produced herd-headers for breeders in several States. Any of our readers desiring any Duroc-Jersey swine should not fail to call on, or address him for description and prices, as per his card on page 1224.

Mr. Frank Iams of St. Paul, Neb., is one of the most progressive and unique advertisers and importers of Percheron, Belgian, and Coach horses in America. His striking advertisement in this issue is characteristic of the enterprise of this energetic importer. Last year he had gotten sales which evidently gave satisfaction to purchasers, and this year he has 147 head for sale. Notice that he guarantees to sell you a better stallion at \$1,000 to \$1,400 than are being sold to stock companies for \$2,500 to \$4,000; or if he does not he will pay your fare and \$25 per day for your trouble to see them, you to be the judge. Iams pays horse's freight and buyers' fares, and gives 60 per cent breeding guarantee. Write him for catalogue and mention Kansas Farmer.

G. G. Council, manager of the Willowdale Berkshires, Williamsville, Ill., has been one of the most successful breeders in America this year. In the show and sale of high-class Berkshire hogs, and this week he makes a special offer in his new advertisement, in which he will sell 100 head of spring boars sired by the greatest boars of the breed, such as Royal Baron, Baron Lee 7th, and Sunny Side King, which includes the champion boars at Kansas City last year and the combination champion at the Illinois State Fair and the International Live Stock Exposition for two years. Mr. Council will make surprisingly low prices in order to close out these boars quickly. He also has a fine lot of gilts and bred sows, as well as young stock of all ages for sale.

It is with great pleasure that the Kansas Farmer is this week enabled to announce a public sale of pure-bred Shropshire sheep. The dispersion sale of Clover Nook Shropshires, owned by that splendid breeder, E. S. Kirkpatrick & Son, Wellsville, Kans. The sale will take place on December 16, at the farm, one mile from Wellsville. The offering consists of 54 ewes, mostly from 1 to 3 years old, all bred to a splendid buck, one of the best sons of Imp. Charmer. There will also be sold 40 lambs and the ewes and lambs are all eligible to registry. This is undoubtedly the best offering of Shropshires ever made in the West and there is no class of stock that has so much promise for the future as the breeding of sheep for wool and mutton. Notice the advertisement in this week's issue and send for catalogue.

On December 1 and 2, there will be held a two-days public sale of pure-bred swine and cattle at Burden, Cowley County, Kans. On Tuesday, December 1, J. F. Stodder will sell at auction thirty Duroc-Jersey boars and seventeen sows; and on the day following, December 2, Marshall Bros., of Burden, will sell fourteen Poland-China sows and sixty-five shoats. They will also sell fifty pure-bred Short-

Personal to Subscribers

We will send to every subscriber or reader of the Kansas Farmer a full-sized ONE-DOLLAR package of VITAE-ORE, by mail, POSTPAID, sufficient for one month's treatment, to be paid for within one month's time after receipt. If the receiver can truthfully say that its use has done him or her more good than all the drugs and doses of quacks and good doctors or patent medicines he or she has ever used. Read this over again carefully and understand that we ask our pay only when it has done you good, and not before. We take all the risk; you have nothing to lose. If it does not benefit you, you pay us nothing. VITAE-ORE is a natural hard, adamant, rock-like substance—mineral-ORE—mined from the ground like gold and silver and requires about twenty years for oxidation. It contains FREE IRON, FREE SULPHUR AND MAGNESIUM, and one package will equal 100 medicinal strength and curative value 800 gallons of the most powerful, efficacious mineral water drunk fresh at the springs. It is a geological discovery, to which there is nothing added or taken from. It is the marvel of the century for curing such diseases as Rheumatism, Bright's Disease, Dropsy, Blood Poisoning, Heart Trouble, Catarrh and Throat Affections, Liver, Kidney and Bladder Ailments, Stomach and Female Disorders, La Grippe and Malarial Fever, Nervous Prostration and General Debility, as thousands testify, and as no one, answering this, writing for a package, will deny after using. VITAE-ORE will do the same for you, as it has done for hundreds of other readers of this paper who have accepted this offer and MADE NATURE THEIR DOCTOR, if you will give it a trial, which none should hesitate to do on this liberal offer. SEND FOR A \$1.00 PACKAGE AT OUR RISK. You have nothing to lose if the medicine does not benefit you. WE WANT NO ONE'S MONEY WHOM VITAE-ORE DOES NOT BENEFIT. Can anything be more fair? One package is usually sufficient to cure ordinary cases; two or three for chronic, obstinate cases. Investigation will bear out our statement that we MEAN JUST WHAT WE SAY in this announcement and will do just as we agree. Write TO-DAY for a package at our risk and expense, giving your age and ailments, so that we may give you special directions for treatment, if same be necessary, and mention this paper, so that we may know that you are entitled to this liberal offer.

"OUT OF THE JAWS OF DEATH."

Cured in One Month's Time a Serious Kidney and Rheumatic Trouble--Was Broken Down, Disheartened and Almost Helpless.

Read what Mr. M. V. Estes, of No. 8 Trinity Street, Atlanta, Ga., who answered our advertisement and received a package of Vitae-Ore on trial, says of the medicine:

Atlanta, Ga.—When I look back at my condition and suffering during recent years, and think of the herbs, roots, barks, tinctures, powders and liniments I have taken and rubbed with, all to no purpose, and that I was cured at last in one month with Vitae-Ore, I stand amazed and amazed at the result. Indeed, I feel like exclaiming with Mr. Richardson (a correspondent of the New York Herald), on closing an account of his escape from a Confederate prison during the late war between the States, "Out of the Jaws of Death, Out of the Mouth of Hell!"

Thirty years ago I contracted a disease of the Kidneys and commenced passing gravel from them, the pain often throwing me into spasms. Those only who have passed through this ordeal can give an idea of the suffering connected with it. These spells continued at irregular but frequent intervals, down to a month ago. During all this time my urine was highly colored, sometimes profuse and sometimes scant, but at all times charged with a yellowish, albuminous brick-dust deposit.

About three years ago I was attacked with Rheumatism in my right hip joint, knees and the muscles all over my body. Physicians told me I had Diabetes and marked symptoms of Bright's Disease and commenced to dope me with mercury, soda, lithia, salicylic acid, potash, etc., all of which were constantly constipating me, and nearly everything I ate disagreed with me. You can well imagine my condition and state of mind. I was broken down, disheartened and helpless.

By chance I had placed in my hand a Chicago paper containing an advertisement of Vitae-Ore, and, like a drowning man, I caught at it, sent for it, and it has proved to be the "Oar" that enabled me to paddle my frail barque into the haven of Health. I used the Ore in hot water, and it commenced to benefit me from the first dose. In four days I saw a marked change for the better, and so wrote you. My urine became cleared up and natural in color. In six days the brick-dust deposit was gone. My bowels became regular. I could eat what I wanted, and what I did eat did not hurt me and was perfectly digested. I slept soundly at night without any of those terrible hallucinations that had haunted my slumbers so long; but, best of all, the pain was leaving my suffering limbs. I could walk without crutch or stick.

Now, after taking a dollar package of Vitae-Ore, I say I am better in health than I have been in thirty years. All this wonderful change in my condition is due to the virtue contained in one ounce of Ore taken from Mother Earth. Would that I could impress upon every one suffering with Kidney, Stomach, Liver, Rheumatism, etc., what I know of the virtues of Vitae-Ore. Take it according to directions, but always in hot water, and you will not be long in joining with me in singing the praises of Vitae-Ore, and praising Theo. Noel for his efforts in introducing this grand boon to suffering humanity. Theo. Noel's name should go down to posterity side by side with that of Harvey, one for discovering the circulation of the blood, the other for unearthing Nature's means of purifying it.

Reaffirmed One Year Later.

Atlanta, Ga.—My faith in Vitae-Ore grows stronger every day. I suffered with Kidney trouble for years and never got any relief until I used Vitae-Ore, that did the work, and I am still well. Can get insurance on my life in any company that accepts men of my age.

This offer will challenge the attention and consideration, and afterward the gratitude, of every living person who desires better health, or who suffers pains, ills and diseases which have defied the medical world and grown worse with age. We care not for your skepticism, but ask only your investigation and at our expense, regardless of what ills you have, by sending to us for a package on trial. In answer to this, address

THEO. NOEL COMPANY, A. F. Dept., Vitae-Ore Bldg., Chicago, Ill.

horn cows and heifers with lost pedigrees. The Shorthorns will comprise thirty 3-year-old cows bred to the herd-bull, Waterloo Duke of Kearney, who stood third at the American Royal show in 1902. The twenty heifers included in the sale are the produce of the cows. They are all reds and would make an ideal dairy- and beef-herd for some enterprising buyer. For catalogue and further particulars address, J. F. Stodder, Burden, Kans.

Buggies! Buggies!

The Century Manufacturing Company of East St. Louis, Ill., are the largest manufacturers of buggies and surreys in the United States. They sell direct from



their factory to homes, at factory prices. They are consequently in a position to save the customer from \$20 to \$40 on the purchase of a buggy and from \$40 to \$60 on the purchase of a surrey. The Century buggies are without a doubt among the best manufactured in the United States. They sell for cash or on easy monthly-payment plan, and they

will be pleased to extend credit to honest people living in all parts of the country. They are offering a regular \$75 buggy for only \$33.50, and the buggy is fully guaranteed for three years. The Century brand of buggies are the only buggies in the market that are warranted for three years. We would suggest that our readers write to the Century Manufacturing Company, 225 A., East St. Louis, Ill., for their free buggy catalogue, and in so doing please mention the fact that you were advised to do so by the Kansas Farmer.

Fireman Never Without It.

1036 25th St.,
Newport News, Va., Sept. 28, 1903.
Dr. B. J. Kendall Co., Enosburg Falls, Vt.
Gentlemen:—Please find enclosed a stamp for your "Treatise on the Horse and His Diseases." I have had one of your books for about ten years, but it is about worn out now. I never want my stables to be without Kendall's Spavin Cure or your valuable "Treatise on the Horse and His Diseases."
Very truly yours, G. A. LONG,
Captain Engine Co. No. 2.

One of the best Christmas gifts for your family is Webster's International Dictionary. Always up-to-date, contains 25,000 new words, and is a revised gazetteer of the world as well as a biographical dictionary. It is printed in Royal quarto size, 2,380 pages, with new plates and 5,000 illustrations. In this issue we call special attention to the announcement of the publishers, G. & C. Merriam Company, Springfield, Mass. It is the greatest reference book in the world and is sold for \$10.75 in substantial sheep binding with complete reference index. Full particulars will be given to any of our readers by addressing the advertiser.



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how to fall in love with a cow? Do you care to know why a cow is worth more than a horse? If you do, you should have a copy of our valuable book.

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It won't cost you a cent. We send it free. Ask for it.

You have read many times about the **TUBULAR SEPARATORS.**

Wouldn't you like to know all about them? It won't cost you anything to do it. Just write for free catalogue No. 165.

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

In the Dairy.

The KANSAS FARMER regrets that the pressing duties of his position at the Kansas State Agricultural College made it necessary for Prof. Geo. C. Wheeler to resign the position of dairy editor of this paper. This regret will be shared by the readers who have come to value Mr. Wheeler's work for its helpfulness along the lines of the farm end of dairy work. Arrangements have been made with Professor Oscar Erf, head of the department of dairy and animal husbandry at the college, to answer all inquiries pertaining to dairy work. It is hoped that these inquiries will come in such volume as to bring much valuable information from Professor Erf.

Cleaning Milk Vessels.

In one of the publications of the Department of Agriculture, Mr. R. A. Pearson, assistant chief of the Dairy Division, gives advice on the above subject. He says that any utensil can be cleaned by the persistent use of the scrubbing-brush, hot water, and soda. It should be remembered, however, that there are several important steps in the operation of cleaning, and that one of these is scarcely more important than the other, each requiring strict attention, even to the minutest details.

Fresh milk is easily removed from a surface, but if it is allowed to dry on and become sour, or perhaps decayed, hard work is required to get it off. Under the best conditions it is difficult enough to clean dairy utensils, but when they are allowed to become dry before cleaning, the labor is greatly increased. If it is impossible to fully clean a milk-vessel soon after use, it should at least be filled with water, and then it can be easily cleaned later.

Every part of an article that comes in contact with milk should be cleaned with a brush or be in plain view when cleaned. A cream-separator can not be properly cleansed by running water through it, and such an effort is rarely made, but frequently the apparatus is not taken wholly apart, as it should be. By means of long-handled or very small brushes, every part should be reached, special care being taken to use the brush about all seams and joints.

Milk should always be rinsed out of vessels before they are scalded. If this is not done, the albumen of the milk will be coagulated by the heat and adhere to the sides, making its removal difficult. It is important, therefore, not to have the first wash-water too hot. Cold water is sometimes recommended, but this is not necessary, as it may be quite warm without changing the condition of the

albumen. The best practice is to rinse the vessels with cold or warm water, then wash in hot water by the aid of some cleaning preparation, then rinse carefully and enough to remove all soap, soda, or other cleaning material, and finally sterilize in a steam chest, exposing them to live steam about three minutes. The methods generally used in washing milk-vessels are very imperfect. The vessels are often carelessly rinsed with cold water, then one is filled with hot water and cleaned with a cloth, the same water being made to serve for other vessels successively, being turned from one to another, and by the time the last is reached, the water is no longer hot and is decidedly milky. When water is not hot, the grease is not removed, but simply smeared over the tin. Two wash-sinks should be close together, one for the general cleaning and the other containing clean hot water in which each article is rinsed as soon as it is washed. Most utensils easily dry after being steamed, but if they do not they may be put in a drying room or wiped with a clean cloth. They should be placed in pure air, and in sunshine if convenient, though this is not necessary if well cleaned and thoroughly sterilized.

Cans and pails for carrying milk should be used for no other purpose. It is well to have the cans cleaned and sterilized at the factory, where there are special facilities for this work. In many cases this is done for the patrons free, while in others a small charge is made. Milk-cans and pails should never be allowed to stand in the stable before they are needed there for use. Myriads of bacteria are constantly floating about in the air of the stable, especially when dust is raised by feeding, and milk utensils should not be unnecessarily exposed to them. They should be kept in a clean place with covers off, surrounded by pure air, and should always be rinsed with clean water just before milking-time.

Milk-coolers are apt to be badly neglected, often because they are used in or near the stable and it is not convenient to take them to the dairy-house or kitchen to be cleaned. So they are simply rinsed off with cold water and allowed to remain where they are used. In cases where they are cared for in this way, their effect on the milk is worse than if they were not used at all.

Cooling Milk for Creamery.

Answering the inquiry of a correspondent of Country Gentleman, Prof. E. H. Farrington presents the letter and his reply to same as follows:

"I would like to get instruction in regard to cooling milk. The way I am cooling it at present is to set the milk-can in a tank and leave it in over night. I also stir the milk after it is all in. Is the above the proper way to cool the milk in order to get the proper test?"—K. A. J., Mineral Point, Wis.

The way you are cooling milk is one that is used by a great many creamery patrons. In most instances it is successful—that is, it keeps the milk sweet until it has been delivered to the creamery.

The efficiency of this method of cooling depends a great deal on the size of the can—that is, the quantity of milk which is held in each can, and on the temperature of the water in which the cans are set. If the milk is suddenly chilled after milking, to a temperature near 50° and held as cold as this until it is carried to the factory, there will be no difficulty in keeping it in prime condition.

We are now receiving milk from 130 patrons at the dairy-school creamery, and we advise our patrons to use a milk-house for keeping of milk from day to day. Nearly every farm is supplied with a windmill and live-stock watering tank. It will be a simple matter to erect some sort of a milk-house. The cans of milk may be set in the tank inside the milk-house, and all the water which is pumped for the live stock, passing through this tank, will keep the milk cold until it is ready to be taken to the factory. Where farmers are fitted up with such

WINTER DAIRYING

is everywhere increasing in popular favor and with the help of a

DE LAVAL CREAM SEPARATOR

brings in cash when ordinary farming operations are at a stand-still.

NOW IS THE TIME TO BUY

a separator and get the benefit of the highest prices of the year for the cow's product.

THE DE LAVAL IS VERY MUCH THE BEST CREAM SEPARATOR

in every respect, and saves \$10.00 per cow each year of use.

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you probably need a
U.S.

CREAM SEPARATOR

If you keep cows and have no U. S. Separator you are losing money that might be saved. Without a U. S. you cannot get all the cream, besides the product of the U. S. commands a higher price. Order at once, stop your losses and increase your profits.

For Western Customers, we transfer our separators from Chicago, La Crosse, Minneapolis, Sioux City, and Omaha. Address all letters to Bellows Falls, Vt.

Write for illustrated catalogues

Vermont Farm Machine Co., Bellows Falls, Vt.

Cash Paid for Cream

We solicit cream shipments from patrons who have good railroad connections with Wichita.

Highest Market Price Paid and Check Sent Promptly for each Shipment.

Please give us a trial. We will please you. Correspondence Solicited.

Wichita Creamery Company, Wichita, Kans.

References: Kansas National Bank, National Bank of Commerce.

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The one that
Separates



The Easy Way, The Best Way, The Only Way

to get best results from your dairy operations is to use the

OMEGA SEPARATOR.

It's the one which turns easiest, skims closest, lasts longest and costs least for repairs. We issue a book called "Milk Returns" which you should see before you buy a separator of any kind. Tells all about the "Omega", and the experience of its users. We mail it free. Write for it today.

The Omega Separator Co.,
Concord St., Lansing, Mich.

P. F. Willechloger, General Agent for Nebraska and Kansas

BIG MAGAZINE one year free to quickly introduce it. As good as Harper's, Munsey's, Ladies' Home Journal, or McClure's. Send 10 cents to help pay postage.

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Centrally located; has 250 rooms \$1.00 up; also First-Class Restaurant at popular prices. CHAS. REIFF, Prop.

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Direct to You

We are the only general merchandise house which owns, controls and directly manages a vehicle factory. We build our vehicles from the ground up and know what's under the paint. We add but one small profit to the cost of material and labor, hence our customers are getting a better made job in a finer finish and at a lower price than can possibly be secured elsewhere.

\$19.80

"LEADER" Road Wagon - Imitation leather trimmed; carpet, wrench and shafts; just as illustrated. Write for further description.



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"CHALLENGE" Buggy - 24 in. body, cloth trimmed; top, back and side curtains, storm apron, carpet and shafts. Write for details.

We also have better grades up to the very best and most stylish that can possibly be put together.

VEHICLE CATALOGUE FREE. Send for it today. It will give particulars about the above work. It also illustrates and describes the newest and best line of Runabouts, Stanhopes, Buggies, Phaetons, Surreys, Carriages, Carts, Spring Wagons, etc., ever quoted direct to the buyer. It explains the difference between good and unreliable work—between the hand-painted and the dipped buggy—and also explains our Guarantee of Satisfaction and

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Send a postal today for our Vehicle Cat. No. E1.

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A special circular quoting our entire line of Sleighs, Sleds, etc., will be sent at the same time, if you request it.

Army

Life Caused Chronic Headaches

Stomach Trouble All His Life

Dr. Miles' Anti-Pain Pills Cured Him of Both

As is very frequently found the stomach trouble and headache in the following case came from the same cause. Dr. Miles' Anti-Pain Pills, like all of Dr. Miles' Remedies, are designed to cure the disease, not the symptoms. This readily explains why these sterling medicines can cure such a variety of diseases. There is no remedy, formula or prescription which in any way equals Dr. Miles' Anti-Pain Pills for the speedy cure and relief of headache and kindred ailments. "Up to the age of twenty-three my son was greatly troubled with severe pains in the stomach. After he had served his term of enlistment with the army in the Philippines he came home and was unfit for anything because of terrible headaches. He found that Dr. Miles' Anti-Pain Pills not only relieved him of the headaches, but would prevent an attack if taken in time. He continued their use for some time and to his surprise and delight he found they had cured the stomach trouble also. You may imagine how grateful both he and myself feel to you for the good the Anti-Pain Pills have done him. I may add that I have used your medicines in our family for many years and keep a bottle of Nervine in the house all the time. I think it an ideal household remedy and all the remedies are just what you recommend them to be. You have my permission to publish this."—Mrs. M. L. Farrar, Walla Walla, Wash.

All druggists sell and guarantee Dr. Miles' Anti-Pain Pills. They are non-laxative; contain no opiates, never sold in bulk, 25 doses, 25 cents. Dr. Miles Medical Co., Elkhart, Ind.

PILES YOU PAY NOTHING UNTIL CURED. CURE GUARANTEED.

Send for free Book—"A TREATISE ON DISEASES OF THE RECTUM."—One for Men and one for Women, with testimonials from former patients.

Address, DR. E. P. NOTREBE, 218-20 West 12th St., Kansas City, Mo.

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By a Scientific and Never-failing Process. No knife, no pain, absolutely no danger. IN TEN DAYS THE PATIENT IS SOUND AND WELL—cured to stay cured. Write for proofs, booklet, etc., FREE.

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MAN'S BEST FRIEND—Dr. Mutter's Quick Cure for Lost Manhood. Acts immediately. "It does the business." Sample Free. Kraigco, Chemist, Dept., 35 Milwaukee, Wis.

Ladies: Our harmless Remedy relieves without fail delayed or abnormally suppressed menstruation. For Free Trial, address Paris Chemical Co., Dept. 74, Milwaukee, Wisconsin.

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

an arrangement as this, we receive a first-class quality of milk.

There is, of course, some danger from the water getting too warm when the wind does not blow. On this account a windmill is not the best farm-power. Some of our patrons have small gasoline engines, which they use for this purpose and for running their farm machinery, such as a hand-separator, feed-grinding mill, etc. In such cases there is no difficulty in always having a good supply of cold water, provided the well is inexhaustible.

Most farmers in this neighborhood use eight-gallon cans. These are so small that the milk is cooled in a very short time after the cans are placed in the cold water. It is a good plan to stir the milk occasionally in the cans while it is cooling. This may be done by soldering a tin disk to a long, stiff wire handle with a loop on one end and pushing the disk up and down in the can of milk.

Where larger cans are used, the milk ought to be cooled in small cans and then added to the large cans after it has reached a temperature near 60°.

All these arrangements and efforts to cool the milk are worthless if the cans are not thoroughly cleaned and scalded each day. When skim-milk is returned from the factory, it often sours before it reaches the farm, especially in the hot, muggy weather of July and August. This sour milk should be emptied from the cans as soon as they are returned, and the taint which is left in them removed as much as possible by a thorough scalding and then airing in the bright sun. I think a great deal of the difficulty farmers have in keeping their milk sweet from day to day is the result of improper washing of the cans.

The souring of milk does not interfere with testing, except as it makes the milk more or less lumpy, and on this account it is difficult to get a fair sample. Souring does not injure the fat or affect it in any way for testing. If the milk can be poured back and forth so as to get a fair sample of it and it is added to a test-bottle at once, it may be tested as accurately as perfectly sweet milk.

Their Bank Accounts.

Following from the Maquoketa, Iowa, Sentinel may contain quite as much truth as poetry:

"If the farmers of Jackson County would emulate the example of those of Jones County, many of them would have larger bank-accounts to their credit. In the last issue of the Monticello papers appears a list of fifty-nine farmers who received \$50 or more from one creamery, the Klondike, located in that town. The total amount paid them for milk during the month of July was \$4,576.46, being an average of \$77.57 each (not counting those who received less than \$50). The amount paid out by this creamery is much less than the Diamond Creamery, located in the same place, pays for milk each month. The numerous creameries in Jones County are her pride and wealth, and to this industry is due the exceedingly large per capita of wealth of the county as shown by the bank-statements. Monticello, with a population of 2,200, is easily the wealthiest town per capita in Iowa, and is the second wealthiest in the United States, the first being Hartford, Conn., as shown by bank-statements. Jones County is not topographically any better than this county, and the soil will not average any more fertile, but she has a class of sturdy farmers who raise cows, and milk them twice a day and sell the product to the creameries. On the 25th of each month they ride to town in their carriages and get their milk-checks at the creameries and make straight for one or the other of the two banks to get them cashed. They don't draw much of the cash, either, but turn it back into the bank on deposit drawing 4 per cent interest. On these days the bankers don't have any time to fool away with an ordinary business man, as the farmers own the bankers for the day. This pleasant state of affairs might take place in Jackson County, if the farmers hereabouts would change their modes of farming and say 'So, bossy,' more than they do."

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.

Have You Any Milk Cows?

If so, all that is necessary to make you a participant in Separator Contest, is to answer the following questions:

Your name and post-office address?

How many cows do you milk?

Have you a cream separator?

If so, what make?

Do you sell cream?

REMEMBER the time is not far distant when it will be decided who gets the

ONE HUNDRED DOLLAR CREAM SEPARATOR FREE

Each letter is numbered and you will be notified of the number as well as received a handsome souvenir. In addition to this we want to again remind you that we are still in the lead on high prices. We are paying at present

21¢ A POUND FOR BUTTER-FAT

We are placing hundreds of the RENOWN, EASY-RUNNING, SIMPLE, DURABLE AND EASY TO CLEAN EMPIRE SEPARATORS, which make dairying pay.

Write us for any information desired.

Blue Valley Creamery Company

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CATARRH, HAY FEVER, ASHTMA

It is the Wonder of the Twentieth Century.

This machine, and chemicals used in operating it, is the discovery of Dr. F. MacFarland. Dr. MacFarland has been in the active practice of medicine for the past 35 years, and for a number of years owned and operated a large Sanitarium in Kansas. We do not ask you to buy, only write us and investigate our methods and principle of curing these dreaded diseases. After so doing you will then see why this great and new discovery is receiving so many press notices in the leading papers of the country, and you will be readily convinced of its remarkable curative properties, and if you are a sufferer and your family physician has not been able to cure you, we know you will purchase one of our machines and be cured, the same as hundreds have been in and around Topeka.

Over 100 of these machines are in use in Topeka alone, and the results have been most wonderful. Mr. H. A. Heath, editor of this paper, has used this Germicide in his family and pronounces it the most successful treatment he has ever used. We have the endorsements, and all we ask, if you are troubled with any of the above diseases, is for you to write us at once for circulars.

To introduce this treatment, we are selling our \$10.00 machine and chemicals for \$5 00, express prepaid, for a short time only.

The MacFarland Chemical Co.,

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Registered cattle, all beef breeds, Shorthorns, Herefords, Angus, and Galloway bulls and heifers, singly or in car-lots, at right prices, always sold strictly on their merits and strictly on commission.

Mr. Buyer: These cattle, from 100 to 300, can always be found in our barns in South Omaha. They are consigned to us by the best breeders in America, and you can get a choice of thirty different men's breeding. We always have some choice herd-headers of the very best breeding; have your commission man select one for you if you can not come.

Mr. Breeder: Adopt new methods and consign your registered bulls to us. We will sell them for you what they are worth and entirely to your satisfaction. We sold in the last three months over 1000 registered bulls and heifers. Ship us no cattle without first writing us. Our charges are \$10 per head and 30 cents per day for feed and care. We have stall room for 250 head.

On September 1st we received a large consignment from the noted herd of W. D. Platt, of Hamilton, Ontario, both bulls and heifers. This is a chance to get some good ones.

Address all communications to us at Lincoln, Nebraska. WATSON, WOODS BROS. & KELLY CO.

The Poultry Yard.

CONDUCTED BY THOMAS OWEN.

Coming Poultry Shows.

November 28-29, Glasco, John Chase, secretary; C. H. Rhodes, judge.
November 30-Dec. 2, Clay Center, M. B. Caldwell, secretary; C. H. Rhodes, judge.
December 3-5, Cottonwood Falls, Jennie C. Warren, secretary; C. H. Rhodes, judge.
December 8-12, Leavenworth, N. R. Nye, secretary; C. H. Rhodes, judge.
December 14-16, Fort Scott, Jas. Burton, secretary; C. H. Rhodes, judge.
December 17-19, Lawrence, John Manwarring, secretary; C. H. Rhodes, judge.
December 21-24, Wellington, Ellen R. Clayton, secretary; Thos. W. Southard, judge.
December 28-30, Nortonville, C. D. Stillman, secretary; C. H. Rhodes, judge.
January 4-9, Wichita, H. P. Schoff, secretary; I. K. Felch, judge.
January 11-16, State show, Topeka, J. W. F. Hughes, secretary; C. H. Rhodes, W. S. Russell, H. B. Savage and J. J. Thornton, judges.
January 25-27, Atchison, W. G. H. Frazier, secretary; C. H. Rhodes, judge.
January 27-30, 1904, Emporia, L. G. Alvord, secretary.
February 1-3, Manhattan, Geo. C. Wheeler, secretary; C. H. Rhodes, judge.
February 4-10, Manhattan, Kansas State Agricultural College Poultry Institute, Prof. Geo. C. Wheeler, superintendent; C. H. Rhodes, instructor.
December 7-12, Newton, R. R. Hobbie, secretary; F. W. Hitchcock, judge.

THE DISAPPOINTED HEN.

In lacking a maternal disposition, I own I differ from the generality. Although, it is but fair to make admission,

I lay my daily egg with punctuality.

A family I never yet have sighed for; I always have disliked the cares of motherhood. It must be so unpleasant to provide for a little squealing sisterhood and brotherhood.

But still my mind reflected, rather lately, One pretty chick might lend to life variety. And while it did not bore me over-greatly, Amuse me by its infantile society.

And so I hatched an egg with zeal unserving, Serene amid the barn-yard's loud garrulity, (Though all the while some hidden hand was serving - A very clever trick on my credulity.)

But when the chick was hatched, amid amazement I looked upon it as a pure monstrosity, And tried in vain to fathom what its ways meant, In waddling with such awkward ponderosity.

At last I learned the truth with fury frightful; My chicken was no chicken—not a bit of it! To others this deception was delightful, Though I completely failed to see the wit of it.

And now I'm forced to stand, with mien convulsive, Beside this dirty duck-pond, clucking painfully, While that young vixen, in a style repulsive, Paddles about and leers at me disdainfully.

—Hugh Howard.

How to Get Eggs in Winter.

This may be considered a threadbare subject, but when eggs are selling at 25 cents a dozen, with a prospect that this cold snap will send them soaring to 30 or 40 cents a dozen, it is a subject that will at least pay for its perusal, if its suggestions are carried out. As a rule, farmers' hens lay eggs in the summer when they are cheapest and in winter but few eggs are obtained. This is all right as far as it goes, for in summer the eggs are costing but little. It may be that the low price of eggs in summer is one reason why some farmers are not attracted to the poultry business. We would have the hens lay in winter, and to do that must see that they are fed properly to produce such results. If we reiterate some things that we have said before, please excuse us, you who have complied with our instructions; but you who have not, this is meant for you. The main essentials to getting eggs in winter are to feed a variety of foods, the more variety the better; give the fowls plenty of exercise, and keep them warm. It is a common practice for some to throw corn out to a whole flock at once on the bare ground. One never can get a winter's egg-supply by such feeding. The fowls will simply mope around till next feeding-time comes and refuse to shell out any eggs. Whereas, if the grain were fed to them in four or five inches of straw, leaves, or other litter, it would give them exercise, keep them warm, and be turned into eggs.

A warm mash in the morning helps egg-production wonderfully. Get a beef's head from the butcher—you can get them for nothing in many towns—put in a large kettle and boil till the

meat falls from the bones readily. Take the bones out, and to the soup and meat that is left add corn-chop and bran, with some clover or alfalfa leaves, enough to make a crumbly mash, and you will have a food that is bound to make the hens lay, even if they contemplate a winter's strike. The soup need not be used up all in one morning, but can be kept for several days in cold weather and warmed up each morning when wanted. This, with corn, wheat, and oats, alternated, for their evening feed, will give them the needed variety.

Bad Moulting.

EDITOR KANSAS FARMER:—Last fall I purchased a pen of White Langshan chickens that were molting. This pen was headed by a large young cockerel which I thought to be molting. He did not fledge out, and upon examination I found his plumes in the condition of those enclosed in tissue paper in this letter. It has been over a year since I purchased him, and he has been that way ever since. His food is wheat and corn with some clover and millet-seed and plenty of green rape. He runs at large and otherwise seems healthy. I have some fine young stock from him. I enclose some of their feathers which are in the same condition as his plumes at present. What is the matter with my birds? Is the disease contagious? None of the rest of my flock seem affected with it. Would it be safe to use him as a breeding bird? Can I do anything for him? Greeley County. ELIZABETH COOK.

The feathers sent indicate a case of bad molting, which has become chronic. It is not contagious, but we would not use the bird again as a breeder, as it is poor policy to use any kind of a diseased chicken for breeding purposes. If he is a valuable bird and you want to experiment with him, give stimulating food, warm every morning, well peppered, with meat, and a tonic of iron every day; also small doses of sulfur.

Indigestion.

This is a disease quite common among fowls. Even the most careful poultry-raiser is liable to get it in his flock by some little neglect on the part

of the help. It is not contagious, but nevertheless, half of some flocks succumb to it. Its symptoms are similar to those of cholera. Indigestion is often mistaken for cholera by those who do not know the difference between the two diseases. They can be told apart by noting that cholera does its deadly work in a few hours, while indigestion may last a week or more. While the latter is not contagious, cholera is, and generally takes the whole flock after it gets a start. Indigestion is slow in its work and can be cured; cholera is quick and nearly always fatal, no sure cure being known for it.

The most prominent symptom of this disease is the nature of the dropping, which are usually quite soft and are passed often. The comb turns pale and the fowl eats but little. It acts as if it were entirely worn out. It mopes about, gradually getting weaker and weaker, till it dies, or is cured. Hens that are fat and have a limited range get this disease quite often, but before it is over they become very poor in flesh. There are several causes for this annoying disease. Hens that are too fat and overfed will get it readily. Lack of exercise is one great cause, and improper food, or too much of the same kind of food, such as the continual use of corn. Lack of grit even may cause it, also lack of good, pure water.

The first and best preventive is obvious to any thinking person, and that is not to allow any of the known causes to occur. Keep the fowls exercising, feed a variety of foods, give plenty of grit and water, and do not feed too much, and you will not be liable to get the disease in your flock. Use plenty of disinfectants such as air-slaked lime, carbolic-acid water, white-wash, and the like. If you find the disease has got a start among your fowls, begin at once to find the cause and remove it before many of the birds get sick.

The best cure that we know of is a strong tea made from white-oak bark. This is a medicine that many of our most skillful physicians use in treating human beings for indigestion, and it is equally good for fowls. Make a strong tea and put half a pint in a gallon of drinking water. The fowls that are affected should have a tablespoonful of the strong tea poured down them if they will not drink it otherwise. If you see that there is no other water for them to drink they will be compelled to drink it, whether they like it or not.

Egg-eating Hens Cured.

May Huffman, in American Poultry Journal, tells how she cured her hens of egg-eating. She says: "Never kill a bird for this habit. The cure I give is sure every time. A few years ago my birds took to eating eggs so badly that four or five hens would stand around the nest containing a laying hen waiting until she would leave the nest. I tried every remedy suggested, but still they ate the eggs. Finally I sharpened my knife and went out to the coop. I first selected my egg-eaters. This I did by placing an egg on the floor, and as fast as they made for the egg I caught and placed them in a coop to themselves. When the eggs remained unmolested on the floor I knew that I had got all of the egg-eaters. I then took them one by one and trimmed off the end of the upper beak until it showed signs of bleeding and put them back in their accustomed run. Next day I got fourteen eggs as against none for several weeks before. They would try to break the eggs as before, but their beaks being so sore they could not, and so decided they did not like eggs. In a week or two their beaks had grown out, and they seemed to have forgotten their bad habits, never resorting to it again."

When writing advertisers, please mention Kansas Farmer.

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BARRED PLYMOUTH ROCK cockerels and Mammoth Bronze turkeys ready for shipment. Write for prices. Mrs. C. S. Cross, Emporia, Kans.

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White Plymouth Rocks hold the record for egg-laying over any other variety of fowls; eight pullets averaging 289 eggs each in one year. I have some breeding stock for sale at reasonable figures. Eggs in season, \$2.00 per 15, expressage prepaid anywhere in the United States. Yards at residence, adjoining Washburn College. Address

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Responsibilities of Lecturers.

Among the many letters we receive from lecturers of Pomona and subordinate granges, none contain greater evidence of successful work than those in which a feeling of responsibility on their part is expressed. The first step in fitting a person for the duties of lecturer of a Pomona or subordinate grange is impressing upon him or her the responsibility of the position. The same principle holds true in this of fice that applies to every business or professional position. A school depends for success not upon the brightness of the scholars, but upon the ability of the teacher to teach them. A college depends for success not upon the necessity for a college education or the number of people in the country that need it, but upon its ability to attract them to and hold them at its institution. A piece of good road is built not because the laborers were good workers, but because the man in charge told them how and when and where to work.

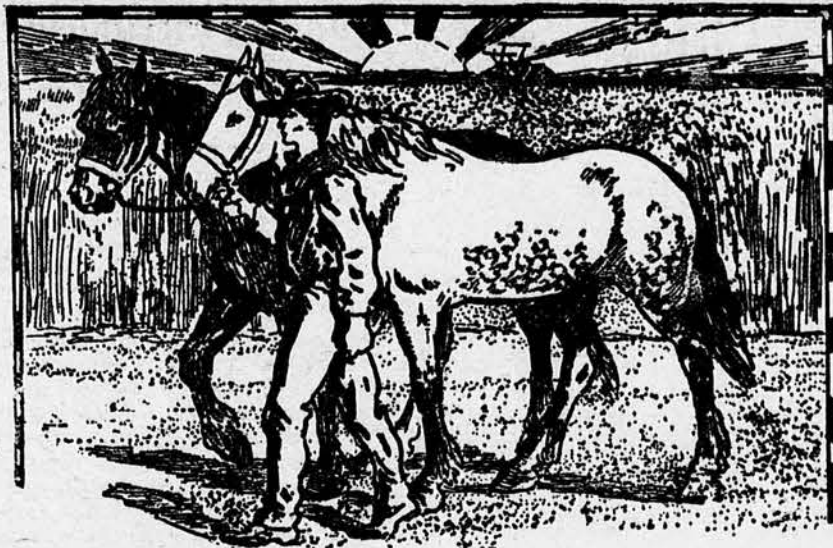
So it is in the Grange. A grange may increase its membership, hold meetings regularly, open them promptly, and be generally successful, because the master is performing his duty well and is active and earnest in directing its affairs. The educational work in charge of the lecturer will be successful and good programs arranged and well carried out, if the lecturer realizes the responsibility in this direction and acts accordingly. After the program is arranged for the year and printed in advance, as it should be, there is much for the lecturer to do even then. Those assigned parts will have to be notified, and if a vacancy is to occur, a substitute provided. The exercises will need a little touching up here and there, some member encouraged, and another warned not to talk too long. The successful lecturer is like the engineer on an engine, with his hand on the throttle all the time, ready to meet any emergency that may arise and avoid any danger that may appear. When the lecturer of a Pomona or subordinate grange assumes the responsibility that devolves upon the officer and goes enthusiastically about the burden of bearing it, as any one must to succeed in any matter, there will be less failures in programs and less feeling of discouragement among lecturers. That so many are already doing this is a matter of congratulation to the members of the granges where they officiate.—National Grange Quarterly Bulletin.

A Boy Can Do It.

Smoking Meat with a Brush.—New and Simple Method.

The old smoke house fire has gone out, and with it the usefulness of the smoke house, itself. Neither is any longer wanted. A substitute, much simpler, and in every way superior, has been found.

Krauser's Liquid Extract of Smoke is the new agent successfully and very largely employed in smoking meats. Cheaper, quicker, cleaner, simpler—it has numberless advantages over the old method of the smoke house. It is applied with a brush or sponge, as easily and rapidly as paint on a board. A boy or girl can do it as well as an expert curer, and it occupies far less time than the old way. Always ready; no fire to build, no waiting for wood to come, or to cut it. Each piece of meat given exactly the coat it needs,



COUNTRY LIFE.

THE RICHES OWNED BY FARMERS.

The American farmer to-day represents a new generation of intelligent, independent, thrifty people with money and inclination to be progressive. The farm products of this year will bring to the farmers and planters probably five billion dollars, which would prove that they could corner the money market of this country if they got together and used it as one man. Strength, strenuousity and the future health of the American people depends upon our country folks. As a rule, country folk are healthier than those who live in our crowded cities. Consumption is a disease of civilization. It scarcely exists among savages who live in the primitive state but quickly appears among such people when the habits of civilization are adopted, especially indoor life. Life in the open air and sunshine gives vitality and health. The strongest minds have gotten their inspiration direct from Nature, the great teacher and developer of mankind. In the same way people have more faith in a remedy which is taken from nature, from the vegetable kingdom, than from any other source. A remedy which has enjoyed a grand reputation for the last third of a century is Dr. Pierce's Golden Medical Discovery, an alternative extract taken from barks, roots and herbs, without the use of a particle of alcohol or narcotics. This medicine goes to the root of disease by imitating nature's methods of restoring waste of tissue and impoverishment of the blood and nervous force. This "Medical Discovery" of Dr. Pierce coaxes the digestive functions and helps in the assimilation of food, or rather takes from the food just the nutriment the blood requires.

Along with its use one should take exercise in the outdoor air, get all one can of God's sunlight and air, and practice a mild breathing exercise each day. This "Medical Discovery" gives no false stimulation, because it does not contain alcohol or a narcotic. It helps digestion and the assimilation of such elements in the food as are required for the blood. Instead of a cod liver oil, against which the already sensitive stomach will declare open rebellion, this tonic has a pacifying action upon the sensitive stomach and gives to the blood the food elements the tissues require. It maintains nutrition by enabling one to eat, retain, digest and assimilate nutritious food. It overcomes gastric irritability and symptoms of indigestion, and, in this way, fever, night-sweats, headaches, etc., are done away with. That is why "Golden Medical Discovery" is one of the best possible tonics in cases of bronchitis and consumption in its early stages, for it builds up the strength as well as soothes the cough. Many, many cases of bronchitis and incipient consumption have been cured by its use. Read what Mr. Lynch says about his case:

"About a year ago I had a very bad cough and feared it would run into consumption," writes Hon. Geo. W. Lynch, Ex-Alderman, and Treasurer Worcester Mutual Benefit Association, of 27 Mason St., Worcester, Mass. "When a severe attack of coughing would come on my stomach would get weak and a spell of vomiting would set in. This came generally after eating. Matter accumulated in nose and my tonsils were irritated. After reading of the wonderful cures resulting from Dr. Pierce's Golden Medical Discovery began to use it, with some doubts as to the good it would do me, I am frank to say. But after I had used

one bottle I noticed quite a change for the better. Ordered five more bottles and before I had used them all the cure was complete. There is now no trace of cough or cold in my system, my stomach is in its normal condition, and, in fact, my health is perfect."

WHAT IS BETTER THAN RICHES?

Our claim is that health is better than riches any day, and that rich red blood means constant good health.

Dr. Pierce's Golden Medical Discovery purifies the blood and entirely eradicates the poisons that breed and feed disease. It thus cures scrofula, eczema, erysipelas, boils, pimples, and other eruptions that mar and scar the skin. The weak, run-down, debilitated condition which so many people experience is commonly the effect of impure blood. Dr. Pierce's Golden Medical Discovery not only cleanses the blood of impurities, but it increases the activity of the blood-making glands, and it enriches the body with an abundant supply of pure, rich blood.

No matter how powerful the intellect or the resources of intellectual power, it must be backed up by physical force. Every day the youth or man must manufacture a pint of rich, arterial blood, that is pure, stimulating to the brain, and that can rebuild the tissues that were destroyed in yesterday's work.

"It has been about two months since I stopped using Dr. Pierce's Golden Medical Discovery," writes J. M. Venters, Esq., of Regina, Pike County, Ky. "I stayed down in Texas last year and contracted chills and fever while there. I came back to Kentucky and was about shaking my boots off my feet when I commenced using it. Had been suffering with chills and fever for twelve months. Took treatment from my doctor and tried many kinds of patent medicines, and all seemed to do me no good. Since I have used four bottles of Dr. Pierce's Golden Medical Discovery, and one vial of his 'Pellets,' I feel well in every respect and weigh 186 pounds instead of only 149, my weight when I began its use. I advise the whole South to keep it in their homes all the time, and I will guarantee they will have no more chills and fever if used as directed."

Hon. Charlton Alexander Turner, 4650 Vincennes Ave., Chicago, Ill., Sir Knight Reporter, Rank, Knights of Pythias, writes: "I have used Dr. Pierce's Golden Medical Discovery with great success for rheumatism, and feel so pleased with the results that I want to tell others who may be suffering with this dreaded disease. This was my experience. For several years I suffered more or less with acute rheumatism, and if I was exposed to damp or chilly air my pains became nearly unbearable, so that I could not sleep nights or work in the day time. It seemed I had tried every remedy under the sun, and could not find anything to help me, until I used Dr. Pierce's Golden Medical Discovery. Used twelve bottles before I was cured, but now I enjoy perfect health, free from any pain or misery, and certainly am grateful to you for your remedy."

Dr. Pierce's medicines are standard, because used by the people of this country for nearly forty years, with bigger sales to-day than ever before. Is that not the true test?

MARRIED MEN AND WOMEN

Read all about yourself, your system, the physiology of life, anatomy, hygiene, simple home cures, etc., in "The Common Sense Medical Adviser," a book of 1008 pages. For cloth-bound copy send 31 cents in one-cent stamps, or for paper-covered 21 stamps. Address Dr. R. V. Pierce, Buffalo, N. Y.

It also affords perfect protection against insects or mold. It costs less to smoke meat with Krauser's Liquid Extract of Smoke, and the meat so cured brings the best of prices. Information concerning its use, cost, etc., can be had by writing to the makers, E. Krauser & Bro., Milton, Pa.

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cheap lamp-
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If you use a wrong chimney, you lose a good deal of both light and comfort, and waste a dollar or two a year a lamp on chimneys.

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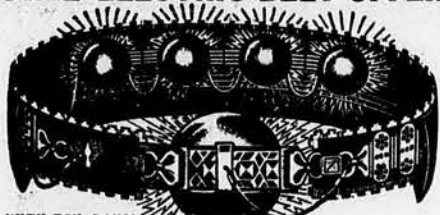
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PATENTS.

J. A. ROSEN, PATENT ATTORNEY
415 Kansas Avenue, Topeka, Kansas.

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 the Veterinary Department, Kansas Farmer, Topeka, Kans., or Dr. N. S. Mayo, Manhattan, Kans.

Loco.—I have a 3-year-old filly that is locoed. When she runs she spraddles all out. I can't catch her myself. I have had four die this summer with the same trouble. W.

Flavins, Kans.

Answer.—The only satisfactory treatment for loco is to keep the animals where they can not get the weed. They should be well fed with good, nourishing food. A locoed horse is generally considered to be of little or no value afterwards, as they are apt to have "fits" and are generally unreliable. Where cattle are locoed it is usually the best plan to kill them as it costs too much to feed them so they are fit for butchering.

Lame Hog.—I have a hog that has lost the use of his front feet. They seem to go back under him and he can not get on his feet but goes around on his knees. He has boils on one fore leg, but seems all right otherwise.

Gardner, Kans.

J. F. R.

Answer.—I do not know what the matter with his legs can be. Examine his feet closely and see whether they are sore between the claws. If so, clean them out well and dust in some calomel. For the boils on his leg give him some of the Government hog-cholera remedy recommended two weeks ago.

Periodic Ophthalmia.—"Moon Blindness."—I have a 3-year-old mare that seems to be going blind. I first noticed it about six months ago. Her eyes become milky, then clear up for a while and get worse again.

Wabunsee, Kans.

J. N. E.

Answer.—Your mare has periodic ophthalmia and will ultimately go totally and permanently blind. The disease is believed to be caused by some infection or by parasites. It shows a decided heredity tendency. When the attack occurs, bathe the eyes with hot water and drop in some boric acid, twenty grains dissolved in an ounce of water. Keep her in a darkened stall during the attack. This will help temporarily.

Horse Disease.—Within the last few years my father has lost fourteen horses from a peculiar disease. They begin to get thin, will eat manure, decayed grass or other improper food. They become constipated, but if worked or driven during the early stages, scour freely. When standing in the barn they appear sleepy, gaping and yawning every few moments. They continue in this condition for several months, gradually growing worse until the disease terminates in blind or sleepy staggers. A few, however, seem to die of exhaustion. My own horses run in the same pasture and are fed the same kind of feed but are watered at a different well.

Yates Center, Kans. W. H. F.

Answer.—From your description I am inclined to think that the animals die from a sort of mould poisoning, or possibly from infection in the water. I believe it can be prevented by careful attention to their diet and hygienic surroundings. The yards and stables should be kept clean and well ventilated. The water must be pure. They should be fed well on good, nutritious, but easily digested food, particularly should any of them show signs of a depraved appetite. Oats and good bright hay should constitute the basis of the food. If they are working hard, add corn-chop to this. Should they show a tendency to eat bedding, tie them short and keep the bedding out of their reach. Be sure that the mangers are clean. When any show signs of the disease, give a brisk purgative to empty the bowels and then gradually place them on a good, nutritious diet.



Miss Nettie Blackmore, Minneapolis, tells how any young woman may be permanently cured of monthly pains by taking Lydia E. Pinkham's Vegetable Compound.

"YOUNG WOMEN:—I had frequent headaches of a severe nature, dark spots before my eyes, and at my menstrual periods I suffered untold agony. A member of the lodge advised me to try Lydia E. Pinkham's Vegetable Compound, but I only scorned good advice and felt that my case was hopeless, but she kept at me until I bought a bottle and started taking it. I soon had the best reason in the world to change my opinion of the medicine, as each day my health improved, and finally I was entirely without pain at my menstruation periods. I am most grateful."—NETTIE BLACKMORE, 28 Central Ave., Minneapolis, Minn.

Painful Periods

are quickly and permanently overcome by Lydia E. Pinkham's Vegetable Compound. The above letter is only one of hundreds of thousands which prove this statement to be a fact. Menstruation is a severe strain on a woman's vitality, —if it is painful something is wrong. Don't take narcotics to deaden the pain, but remove the cause—perhaps it is caused by irregularity or womb displacements, or the development of a tumor. Whatever it is, Lydia E. Pinkham's Vegetable Compound is guaranteed to cure it.

If there is anything about your case about which you would like special advice, write freely to Mrs. Pinkham. She will treat your letter as strictly confidential. She can surely help you, for no person in America can speak from a wider experience in treating female ills. She has helped hundreds of thousands of women back to health. Her address is Lynn, Mass., and her advice is free. You are very foolish if you do not accept her kind invitation.

Details of Another Case.

"DEAR MRS. PINKHAM:—Ignorance and carelessness is the cause of most of the sufferings of women. I believe that if we properly understood the laws of health we would all be well, but if the sick women only knew the truth about Lydia E. Pinkham's Vegetable Compound, they would be saved much suffering and would soon be cured.

"I used it for five months for a local difficulty which had troubled me for years, and for which I had spent hundreds of dollars in the vain endeavor to rectify. My life forces were being sapped, and I was daily losing my vitality.

"Lydia E. Pinkham's Vegetable Compound cured me completely, and

I am now enjoying the best of health, and am most grateful, and only too pleased to endorse such a great remedy."—Miss JENNIE L. EDWARDS, 604 H St., N. W., Washington, D. C.

Mrs. Pinkham, whose address is Lynn, Mass., will answer cheerfully and without cost all letters addressed to her by sick women.

BLACKLEG

**BEST
PREVENTIVE**

VACCINATE your cattle with **Blacklegoids**—the simplest, safest, surest preventive of Blackleg. Each **Blacklegoid** (or pill) is a dose. Administration with our **Blacklegoid Injector** is performed in one minute. We establish the purity and activity of our **Blacklegoids** by rigid tests upon animals. For sale by druggists. Write us for literature—free on request.

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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. No order accepted for less than \$1.00.

CATTLE.

FOR SALE—Polled Jersey bull calves. W. H. Forbes & Co., Yellow Springs, Ohio.

I WANT TO SELL OR TRADE for dairy cows, one bull, and nine cows and heifers, all red and registered Shorthorns. J. E. Williams, Fairmount, Kans.

FOR SALE—One registered Red Polled bull, five years old; also good bull calf six months old. John Rosenberger, Belvidere, Kans.

CATTLE FOR SALE—A small bunch of Shorthorn heifers, also two bull calves, choice breeding, and good individuals, good calves at \$50 each. Write, or better come and see them. S. H. Lenhart, Hope, Kans.

A BARGAIN in Red Polled cattle. S. H. Beever, Vassar, Kan.

FOR SALE—Choice registered Hereford bulls, 8 to 15 months old. Address, or call on A. Johnson, R. R. 2, Clearwater, Kans.

FOR SALE—Four thoroughbred Shorthorn bulls, color red, from 5 to 21 months old. Also a few thoroughbred cows and heifers. For prices write, J. P. Engel, Alden, Rice Co., Kans.

FOR SALE—The imported Shorthorn bull Mark Hanna 127532, also several of his get, serviceable ages. F. H. Foster, Rural Route 6, Lyons, Kans.

FOR SALE—Registered Shorthorns \$50 each. Best of breeding, splendid individuals, cows and heifers bred to imported Royal Briton, calves and yearlings. Must sell carload or more. Write at once. Also some choice Poland Chinas very cheap. M. C. Hemenway, Hope, Kans.

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

SWINE.

FOR SALE—Poland-China sows and gilts; they are bred safe in pig, and fashionably bred; sired by a son of old Chief Tecumseh 2d 9115, and Allerton Tecumseh, out of dams sired by old Black U. S., Chief Tecumseh 2d, Perfect I Know, and others equally well bred. They are fine individuals, and safe in pig by my herd boar, Black Chief, who is sired by Missouri's Black Perfection, dam by Chief Tecumseh 2d. These sows have raised me three litters each of very profitable pigs, some of them are sows, particularly the one out of the old Black U. S. dam, they are as fashionable bred as can be found in any herd, and are safe in pig by one of the finest and most fashionable bred boars in Kansas. I also have spring of 1903 gilts out of above sows, and by Black Chief, 1 am closing out my entire stock interest and will price any one or all very cheap; will also sell my herd boar, a good one, for \$50. Reference, Kansas Farmer. Address J. W. Ferguson, R. F. D. 5, Topeka, Kans.

TWO WELL-BRED HERD BOARS FOR SALE By W. E. Nichols, Sedgewick, Kans.—Young U. S. 2591 S., sired by Hill's Black U. S. 11882 S., he by Old Black U. S. 4209 S. The dam of Young U. S. 2591 S., her dam 56180 S., she by Shortstop Tecumseh 15922 S., her dam Tecumseh Girl 37756 S. Young U. S. 2591 S. was farrowed September 24, 1899. He is a fine breeder of solid colored, broad backed, heavy hammed, short-faced pigs. T. C.'s U. S. 2d 30340 S., sired by the noted old T. C.'s U. S. 41713 O., that was shown in 13 shows, and won 13 first prizes in the state show at Ohio. Esther Price his dam was bred by Peter Mouw, Orange City, Iowa. These hogs are not for sale because of any fault of their own, but I cannot use them longer. If you need a first-class reliable sire at the head of your herd, write me at Sedgewick, Kans. W. E. Nichols, breeder of Poland-China hogs.

AUCTIONEER—Booze made twenty-eight sales from July 22 to October 22, 1903. Swine specialist. Write Jim W. Busenbark, Eskridge, Kans.

LARGE ENGLISH BERKSHIRES—Recorded. Three unusually good, six month boar pigs, weigh 200 pounds. Mrs. C. S. Cross, Emporia, Kans.

HOGS FOR SALE—Choice Poland-China boars and sows, none but choice stock shipped. Herd boar Royal Perfection, by Chief Perfection 2d, and Chief Tecumseh 2d. S. H. Lenhart, Hope, Kans.

DUROC-JERSEY BOARS ready for service; pedigree furnished. L. L. Vrooman, Hope, Kans.

FOR SALE—Three nice sows, coming 2-years old, and several good gilts; pure-bred Large English Berkshires—very cheap. O. P. Updegraff, Topeka, Kans.

DUROC-JERSEY SWINE—3 yearling herd boars, fine lot of good males and bred gilts, also pigs in pairs. Pedigrees furnished. Write for prices. M. H. Alberty, Cherokee, Kans.

FOR SALE—O. I. C. pigs both sexes, healthy and thrifty; also one year sows, registered. Satisfaction guaranteed. Asa Chandler, Randolph, Mo.

POULTRY.

WHITE WYANDOTTE COCKERELS for sale, \$1.00 each; no hens or pullets. Mrs. E. F. Ney, Bonner Springs, Kans.

BLUE VALLEY FARM—Prize winning Indian Games, Buff Cochins, and Rouen ducks, very cheap. Carson Pearce, Eldorado, Kans.

TOULOUSE GEESSE and W. L. Cockerels. Farm raised cockerels, 50 cents. Special price for half dozen lots. W. W. Cook, Russell, Kans.

ROSE COMB BROWN LEGHORN COCKERELS for sale—\$1 each; 6 for \$5. Convenient shipping point. Orders filled promptly. P. H. Mahon, Route 3, Clyde, Kans.

SEEDS AND PLANTS.

WANTED—Sweet corn, Kaffir-corn, cane and millet seed, alfalfa, red clover, timothy and other grass seeds. Correspond with us. Kansas Seed House, F. Barteldes & Co., Lawrence, Kans.

WANTED—Sweet corn, Brown Dourrah, Jerusalem corn, milo maize, cane and Kaffir-corn. Write us amount you have to offer and send sample. We will give you the highest market price. A. A. Berry Seed Co., Box 50, Clarinda, Iowa.

SHEEP.

FOR SALE—A flock of 190 good ewes, 110 lambs. For further information address W. M. Hollister, R. F. D. 2, Mulvane, Kans.

COTSWOLD RAMS—Eight 2-year-olds, for sale by W. Guy McCandless, Cottonwood Falls, Kans.

HORSES AND MULES.

FOR SALE OR TRADE—Three black jacks, one coming 3 years, one coming 2 years, and one suckling. All large and heavy bone. Also three Jennets, large ones, well-broken. Would trade for land and pay difference. Address Thos. Brown, R. 1, Clifton, Kans.

FOR SALE OR TRADE—Four black full-blood Percheron stallions, three registered road stallions, two Man moth black jacks. All of the stock are good breeders. Will trade for anything but breeding animals. I am going out of the breeding business. Here is a chance for a bargain. H. J. Stevens, Wellington, Kans.

FOR SALE—Span of large mules, one roadster stallion. Will exchange part for cattle or sheep or colts. For further particulars address, T. J. Kennedy, Ozawie, Kans.

FOR SALE—Cheap, or will trade for cattle, my two black Percheron stallions, both recorded and one is imported, weight 1,700 each. Address me at Carbondale, Kans., P. O. Box 35, Col. W. Q. Hyatt.

FOR SALE—The best 1/2 Percheron stud colt in Kansas, 28 months old, 1500 pounds, also younger ones of like quality. F. H. Foster, Rural Route 6, Lyons, Kans.

FOR SALE five jacks, one to seven years old, all blacks. One Clydesdale and one Percheron stallion, registered. Would trade jack for mares. J. C. Strong, Moran, Kans.

FOR SALE OR EXCHANGE for sheep or cattle, one imported registered Percheron stallion, black. One black Missouri-bred Jack 3-year-old—will make a large jack. Can be seen one-half mile south of city limits. J. C. Hentzler, Rural Route No. 6, Topeka, Kans.

WANTED—To buy or trade, a Clydesdale stallion for a span of good mules. H. W. McAfee, Topeka, Kans.

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

FARMS AND RANCHES.

FARM LANDS FREE—Send stamp for circulars and information. Address J. Lovering, Mgr., N608 Germania Bldg., St. Paul, Minn.

FOR SALE OR TRADE—1,120 acre ranch, 500 acres bottom, 50 acres timber, 3 sets of improvements, R. F. D., and telephone, 450 acres under cultivation, balance good blue-stem pasture, some tame grass, price \$25 per acre. Will take one-half in good income property, balance can be left on the place. Garrison & Studebaker, Florence, Kans.

IMPROVED FARM LAND for sale in Hodgeman Co., Kans. at \$4 to \$10 per acre. Write for list. Eakin & Eakin, Jetmore, Kans.

WANTED—To rent a farm for crop rent, or on shares. Have my own machinery and team for both grain and stock farming. F. R. Moninger, R. F. D. 5, Ottawa, Kans.

120 ACRES, new buildings, Osage Co., \$2,500. Bargain. Farm, R. F. D. 2, Williamsburg, Kans.

FARMS AND RANCHES for sale. Write for list. Kansas Realty Co., Emporia, Kans.

STOCK FARM—240 acres, 4 miles to railroad and creamery, 1 mile to school, R. F. D., 140 acres broken, balance meadow and pasture, 9 room house, barn 32 by 32, hog house and granary 20 by 40, cattle sheds etc., 3 acres alfalfa, orchard, 2 wells and cistern, good water. Cheap at \$45 per acre. D. M. Trott, Abilene, Kans.

FOR SALE quarter section in Allen County oil and gas fields. No lease, no agent. Cheap from owner. Write if you want a good investment. J. C. Strong, Moran, Kans.

FOR SALE—480-acres improved, good water. Also farms and ranches, containing 160 acres and upward. For description and terms address H. B. Gilbert Wallace, Kans.

MISCELLANEOUS.

FOR BLOODHOUNDS, man-trackers, or wild-animal hunters, best strain on earth, write S. J. Van Raub, San Antonio, Texas.

WANTED—To sell or trade for any kind of stock, one 600-pound capacity Sharples separator, almost new. L. A. Abbott, R. R. 1, Wamego, Kansas.

WANTED—Faithful person to travel for well established house in a few counties, calling on retail merchants and agents. Local territory. Salary \$20.00 per week with expenses additional, all payable in cash each week. Money for expenses advanced. Position permanent. Business successful and rushing. Standard House, 330 Dearborn St., Chicago.

COIN MONEY mailing circulars as I am doing. Sample circular for 2 cent stamp C. J. L. Boher, 747 Westfall Ave., San Antonio, Texas.

PALATKA—For reliable information, booklets, and other literature, address Board of Trade, Palatka, Florida.

VIEWS OF TOPEKA FLOOD—Having purchased the balance of the edition of the "Views of Topeka Flood" of which many thousands sold at 25 cents each, we are prepared until the supply is exhausted to send them prepaid to any address on receipt of 10 cents. Address, Kansas Farmer Co., Topeka, Kans.

SECURE A HOME IN THE GREAT SOUTHWEST.

The rapid increase in population and the phenomenal crops of 1903 are pushing land prices upward. The Southwest was never as prosperous as now, and never before has there been such a demand for good farm lands. Through the M. K. & T. Land Bureau, thousands of acres of rich farm lands (improved and unimproved), located along the line of the M. K. & T. Railway, are now offered for sale. The lands are especially adapted to the growth of corn, wheat, oats, fruits and vegetables, rice, cotton, sugar-cane, and for stock farming. The lands are located as to markets, schools, etc.

If you are interested in this new and prosperous country, offering so many opportunities, and rich farming lands, which can be secured at low prices, we will gladly furnish you information about lands, business chances, etc. Advise exactly what you want, what State or Territory you prefer, and the amount you have to invest.

The Homeseekers' Excursions on the first and third Tuesdays of each month afford an opportunity to visit the great Southwest at a small cost. If you are interested, write to-day for full information. Address

GEO. MORTON, General Passenger Agent M. K. & T. Ry. Box 911, St. Louis, Mo.

J. R. YOUNG'S SALE



Richards, Mo., Friday, December 11, 1903

There will be offered

45 Gilts and 20 Boars

By Missouri's Black Perfection, Chief Perfection 2d, Ideal Sunshine, Phenomenon 2d, and Missouri's Black Chief. Also their 11 dams by Sweepstakes Winners.

Will include in this sale the Sensational Boar "Mascott" 31481, the under year winner at Missouri's State Fair, 1903. The most phenomenal Ideal Sunshine pig living, "Harmonizer." These two popular boars now head my herd of Poland-Chinas.

In addition to the above I will offer a specialty to the farmers and stock-raisers early in the sale

20 Head of Big-boned, Strong-bodied All-purpose Young Boars and Sows

That can be secured at a bargain. Stick a pin here, brother.

ATTEND THIS SALE and participate in what I hope to make one of the nicest, cleanest sales in Vernon County in Poland-China history.

TERMS cash, or a note your banker will cash.

J. R. YOUNG, Proprietor,
Richards, Mo.

Auctioneers—McCracken, Correll, and Harshberger.



SHROPSHIRE SHEEP AT AUCTION.

On December 16, 1903,

commencing at 12:30 p. m., the flock of Clover Nook Shropshire sheep will be closed out at public auction at Clover Nook Stock Farm, one mile northwest of Wellsville, Kans. This offering consists of 54 ewes, 44 of them from 1 to 3 years old; all bred to W. & C.'s (789) 170383, a son of Imp. Charmer (557) 137485 out of Imp. Foster's Pride (563) 137497, and about 40 lambs. Ewes all registered and lambs eligible. This is the greatest offering of Shropshires ever sent under the hammer in the West. They are the well-wooled, broad-backed, heavy-boned, low-down kind that everybody is looking for. Reason for selling, death of our son, two years ago, and poor health. See field notes. Sale under cover. Catalogues ready December 5. Conveyance from Commercial Hotel.

Col. Jas. W. Sparks, Auctioneer.

E. S. KIRKPATRICK & SON, Wellsville, Kans.



PUBLIC SALE OF 40 PERCHERONS

Tuesday, Jan. 12, 1904, at Arrowsmith, Ill.

at town barn, in tent, rain or shine at 10 a. m., 10 REGISTERED STALLIONS from one to five years old; 30 REGISTERED MARES and FILLIES, from one to ten years old, that weigh 1,800 to 2,500 pounds at maturity. Catalogue ready December 20.

C. W. HURT, Arrowsmith, Ill.

The Stray List

Week Ending November 12.

Rush County—W. J. Hayes, Clerk.

HORSE—Taken up by O. J. Young, residence 1/2 mile west of Alexander, one sorrel horse, white feet and blaze face, 5 years old, weight about 800 pounds.

Linn County—J. A. Cady, Clerk.

HOGS—Taken up by J. W. Butts, of Centerville tp., (P. O. Farlinville,) October 7, 1903, two black hogs, valued at \$14.

Coffey County—W. M. Palen, Clerk.

STEER—Taken up by Frank D. Hartwell, in Le Roy, October 22, 1903, one red and white spotted steer, with white face, T S on both sides, 4 years old, valued at \$25.

Week Ending November 19.

Greenwood County

COW—Taken up by J. L. Welch, in Fall River tp., Nov. 12, 1903, one red and white cow, seven years old, crop off left ear, and half crop off right ear, branded half moon over dash on left hip, and H over dash on right hip.

Coffey County—Wm. Palen, Clerk.

STEER—Taken up by E. E. Teeple, in Liberty tp., (P. O. Gridley,) one dark red steer, with two small white spots on forehead, about 3 years old, P on left hip, valued at \$35.

Wabunsee County—Simon C. Smith, Clerk.

COWS—Taken up by Mrs. E. Meyer, in Alma tp., (P. O. Alma,) Nov. 3, 1903, one dark red Western cow, age about 6 years, branded D on left side, has 4 months old red bull at side, calf valued at \$5, appraised value \$15; also light red Western cow, branded 1-0 on left side, has notch in left ear, about years old, valued at \$15.

Week Ending November 26.

Wabunsee County—Simon C. Smith, Clerk.

HEIFER—Taken up by C. D. Bean, in Wabunsee tp., (P. O. Alma,) Nov. 4, 1903, one grade yearling heifer, has general Herefords marks with red spot near left eye, valued at \$12.

Coffey County—Wm. Palen, Clerk.

COW—Taken up by Albert Meyer, in Spring Creek tp., (P. O. Leroy,) November 4, 1903, one red cow with white spot on right side, and white spot in face, about 7 years old.

BEST POTATO LAND.

There is no better potato land in America than that in Indian Territory—the section between the Arkansas and Verdigris Rivers. The climate and soil are particularly adapted, and potatoes are marketable earlier than farther north. Mr. T. L. Peeler, Industrial Agent, M. K. & T. Ry., Dallas, Texas, will be pleased to communicate with any one desirous of investigating this section.

NO HUMBUG. Farmer

Swine V. Stock Marker and Calf Debuter. Shows swine from rooting. Makes 45 different ear marks. Extraordinary. Price \$1.50. Send \$1 for trial. If it suits, send balance. Paid May 6, 1902. Hog and Calf Marker only 75c. GEORGE BOOS, Mfr., FAIRFIELD, IOWA.

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.

DUROC-JERSEY SWINE.

D. M. TROTT ABILENE, KAS., famous Duroc-Jersey, Poland-Chinas.
Registered Stock **DUROC-JERSEYS**, contains breeders of the leading strains.
N. B. SAWYER, CHERRYVALE, KANSAS.

MINEOLA DUROC-JERSEYS
PRINCE 17799 at head. B. P. Rock Chickens. Stock always for sale. L. A. Keeler, Route 4, Ottawa, Kans.

DUROC-JERSEYS—Large boned and long bodied kind. A lot of fine gilts and fall pigs for sale. Prices reasonable.
E. S. COWEE,
R. F. D. 1, CARBONDALE, KANSAS.

DUROC-JERSEY SWINE

CHOICE PIGS FOR SALE. ADDRESS
G. W. BAILEY, BEATTIE, KANSAS.

MAPLE AVENUE HERD
DUROC - JERSEYS
J. U. HOWE,
Wichita, Kansas.
Farm two miles west of city on Maple Avenue.

C. H. SEARLE **DUROC-JERSEY HOGS**
Edgar, Neb. **B. P. Rock Fowls.**

Duck Creek Herd of Duroc-Jersey Swine
240 head to choose from. Write us your wants.
Mitchell Bros., Buxton, Wilson Co., Kans.

FAIRVIEW HERD DUROC-JERSEYS
For sale. A few May and June males at private treaty. Public sale of bred sows Feb 5, 1904. Address
J. B. DAVIS, Fairview, Kans.

DUROC-JERSEYS.
Duroc-Jerseys for sale. Choice 1903 pigs, both sexes. Prices \$20 and \$25. 125 head in herd to select from. Newton Bros., Whiting, Kas., and Goff, Kas.

Duroc-Jerseys
Of Superior Breeding and Individuality.
RED DUKE 18668 at head of the herd.
BUCHANAN STOCK FARM, SEDALIA, MISSOURI

ROCKDALE HERD OF
Duroc - Jersey Swine
Has for sale 100 head of spring pigs of fashionable breeding, and good individuals. Correspondence and inspection invited. Free rural delivery and telephone from Frankfort. J. F. Chandler, Frankfort, Kans.

Osage Valley Herd
DUROC-JERSEYS
35 gilts and sows ready to breed, 8 choice boars, good color, strong bone, broad backs with fine hams. Write for description and price.
A. G. DORR, Osage City, Kans.

PRIZE-WINNING HERD
DUROC-JERSEY SWINE
Champions at State Fair at Topeka in 1903. Herd headed by Josephus, best son of Big Joe 7883. Choice spring pigs of both sexes for sale.

F. L. McCLELLAND,
Route No. 1. Berryton, Kansas.

Rose Hill Herd
DUROC-JERSEY HOGS.
I have a good lot of early spring boars for sale; good growth, lengthy fellows with good strong bone and short legs; 75 gilts to breed for early farrow; also a good lot of thrifty pigs of August and September farrow. I will sell them worth the money.

S. Y. THORNTON, Blackwater, Mo.

DUROC-JERSEY HOGS.

200 to Select From 200
FOR READY SALE—30 Boars and 70 Gilts of March and April farrow. Inspection or correspondence solicited.
Phone 804. George Kerr, Sabotha, Kansas.

COUNTY SEAT HERD
DUROC-JERSEY SWINE

Higgin's Model 3251 at head of herd, assisted by Improver 18365 and Red Chief 1 Am 7693.
A choice lot of young boars ready for service for sale; also a few gilts. **200 Head in Herd.**
Geo. Briggs & Son, Clay Center, Nebr

STANDARD HERD OF REGISTERED
Duroc-Jersey Swine, Red Polled Cattle,
and Angora Goats.

Swine herd headed by Big Joe 7883 and Ohio Chief. Cattle herd headed by Kansas 8803. All stock reserved for October sale.
PETER BLOCHER, Richland, Shawnee Co., Kans

PEARL HERD
DUROC-JERSEYS

FOR SALE—A fine lot of spring Duroc-Jersey boars, best breeding, a good growth lot, heavy bone and good colors.
Can ship via Rock Island, Santa Fe, Missouri Pacific, or Union Pacific railways. Call, telephone or write to
C. W. Taylor, Pearl, Dickinson Co., Kans.

McFARLAND BROS.,
Route 1, Sedalia, Mo.

Champion Herd of Missouri
Duroc-Jerseys.

Oom Paul 3d 17681 at head of herd. Choice spring pigs of both sexes for sale. Write for prices and breeding.

POLAND-CHINA SWINE.

FOR SALE Poland-China Hogs, Holstein Friesian Cattle; either sex. Best strains represented. H. N. HOLDEMAN, Rural Route No. 2, Girard, Kansas.

Mains' Herd of Poland-Chinas
Up-to-date breeding. Will sell one Chief Perfection 2d herd-boar. After Dec. 1 will sell a few herd-sows and a fine lot of fall pigs. Write for what you want.
JAMES MAINS, Oskaloosa, Jefferson Co., Kans.

Kansas Herd of Poland-Chinas
Has some extra fine gilts bred; also some fall boars. Will sell SEN. I KNOW, he by FERRIS I KNOW. Address—
F. P. MAQUIRE, HUTCHINSON, KANSAS.

Elmdale Herd of High-Class
POLAND-CHINAS
Shawnee Chief 28502 head of herd. Three choice fall boars for sale; also spring pigs of both sexes.
W. L. REID, PROP'R, R. R. 1, NORTH TOPEKA, KANSAS

Shady Lane Stock Farm
HARRY E. LUNT, Proprietor,
Burden, Cowley Co., Kans.
A few choicely bred Poland-China Boars for sale; also fine B. P. Rock poultry.

Dietrich & Spaulding, Richmond, Kas.
A few choice fall and spring gilts for sale—Will be bred to U. C. Perfection by Perfect Perfection. Black Chief's Perfection by Missouri's Black Chief, D. A. Ideal Sunshine by Id. al Sunshine.
Write for prices.

SHADY BROOK STOCK 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, KANSAS.

WAMEGO HERD
Poland-Chinas
With Dee Expansion 31211 at head of herd; he was sired by Expansion 28293, his dam is Nodine Queen 2d 7877, a grand individual and sire of large, and markings. Large M. B. Turkeys and B. P. chickens for sale. Correspond with me at Wamego, Pottawatomie County, Kansas. C. J. HUGGINS.

Closing Out
Rome Park Poland-Chinas
and Berkshires.
Strictly choice show animals of Gilt Edged breeding. Established 20 years. For Sale—100 sows and gilts bred and not bred, 20 short yearlings and aged boars. Sumner and fall pigs of all ages. Reduced prices before sale. T. A. Hubbard, Rome, Sumner Co., Kans.

HIGHLAND FARM HERD OF PEDIGREED
POLAND-CHINAS
Eighty spring pigs that are hard to duplicate for sale and finish, sired by Black Perfection 27312, Cornwin's Improver 25768, and Imperial Chief 3d 28978. Write me a description of what you want and I will guarantee satisfaction. Seven and one-half miles northwest of Leavenworth. (I ship from Leavenworth. Eight railroads.) One mile west of Kickapoo on main line of Mo. Pacific. **JOHN BOLLIN, Route 5, Leavenworth, Kansas.**

PECAN HERD OF
Poland-Chinas
Will you want a few Bred Sows or Gilts for fall farrow, bred to Model Tecumseh or American Royal? Also fall Boars, sired by Model Tecumseh 64133.
J. N. WOODS & SON,
R. F. D. No. 3. Ottawa, Kansas.

FREEDOM HERD
LARGE POLAND-CHINAS
Herd-headers of prize-winning blood at a snap, one by Lamplighter 26890, five by Belleville Chief 29123. Also fancy gilts and bred sows at very low prices. Guaranteed description or money refunded.
F. C. SWIERCINSKY,
Phone 803. R. F. D. 1, BELLEVILLE, KANS.

Chestnut Grove Herds
POLAND-CHINA SWINE
The prize-winning Missouri's Black Perfection 26517 at head. The best of Missouri's Black Chief, Sunshine, and Chief Tecumseh blood. Young prize-winning stock, both sexes, for sale.
I have 20 fine boars to sell cheap for the next 30 days at private treaty, in order to make room for fall pigs. They are out of prize-winning dams and sired by M. B. T. Mascot and W. B.'s Chief. Write at once.
J. R. YOUNG,
RICHARDS, MO.

TAMWORTH SWINE.

REGISTERED
Tamworth Hogs
Twenty-five pigs of April, May, and June farrow for sale at reasonable prices to make room, for fall pigs. Must take them this month. A few sow pigs for sale. Write
C. W. Freelove, Clyde, Kansas.

BERKSHIRE SWINE.

Large English Berkshires

Pigs of both sex sired by first prize boar at Topeka fair; also a prize winning boar, and 2-year-old herd boar, Highclere Improver 58627.
Manwaring Bros., R. R. 1, Lawrence, Kans.
Telephone 582-2-White.

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Champion Berkshires
Our herd won the Kansas State Prize at the American Royal Show at Kansas City in 1902.
ONLY THE BEST.
Imported and American-bred stock or sale. A few choice sows bred, at prices that will move them. Inspection invited six days in the week.
WILL H. RHODES, Tampa, Marion Co., Kans

KNOLLWOOD FARM HERD
BLUE BLOODED
IG BONED
ROAD BACKED
BERKSHIRES...

A Fancy Lot of Spring Pigs.
E. W. MELVILLE, EUDORA, KANS

East Reno Berkshire Herd
Best Imported and
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A lot of young stock of both sexes for sale cheap for the next 60 days. Circular free.
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The Large Berkshires
—AT—
Springbrook Farm
Will be of interest to all breeders of fancy swine. Some few herd-headers for sale, as well as a few choice gilts.
Farm five miles from town.
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HILLSDALE HERD
CHAMPION
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75 Prizes Won at 6 State Fairs 1903
50 spring pigs (of either sex) for sale. All of our stock is of the same strain as our show herds for the past three years, that have won 195 ribbons.
Thomas Teal & Son, Stockport, Iowa

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WILLOWDALE
Berkshires
SPECIAL OFFER.
I have 100 head of spring boars, sired by the greatest boars of the breed: Royal Baron, Baron Lee 7th, and Sunny Side King, the champion at Kansas City last year and combination champion at Illinois and International and sire of champion sows at Illinois for two years. These boars are the produce of sows equally well-bred. These boars will be priced at figures that will surprise you. If you need a boar, write for prices, as they must be sold quick. Also a fine lot of gilts and bred sows. Young stock of all ages for sale. Address
G. G. Council,
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WHEN IN CHICAGO
Stop at the
New
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Baths & Hotel Combined
8 floors. Fine new rooms. Meals a-la-Carte at all hours.
BATHS OF ALL KINDS.
Turkish, Russian, Shower, Plunge, etc. The finest swimming pool in the world. Turkish Bath and Lodging, \$1.00. Most inexpensive first class hotel in Chicago. Right in the heart of the city. Booklet on application.
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D. L. Button, N. Topeka, Kans.
BREEDER OF
Improved Chester Whites
Stock For Sale.
Farm is 2 miles northwest of Reform School.

PLEASANT VALLEY HERD
OF CHESTER WHITE SWINE
The kind that raises large litters of strong, healthy pigs. Sows have no trouble at farrowing time. Young stock of both sexes for sale. Pedigrees with every sale. A. F. Reynolds, R. R. 4, Winfield, Kans

THE CRESCENT HERD
O.I.C. THE WORLD'S BEST SWINE.

We are shipping the best pigs we ever raised. Every one a dandy. Three fall boars to sell. Largest herds in the west, grown on five different farms. Catalogue tells all about them—free for the asking. Thoroughbred poultry. Write to-day to
JOHN W. ROAT & CO., Central City, Nebr.

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VERMILLION HERFORD CO.,
VERMILLION, KANSAS.
Boatman 56011 and Lord Albert 131557 head of herd. Choice young stock of both sexes for sale.
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Weston Stamp Herd
REGISTERED... HEREFORD CATTLE
Anxiety 4th females with Ambercromble 85007 at head.
WM. ACKER, VERMILLION, KANSAS.

MODEL BLUE GRASS FARM
HEREFORDS
STOCK FOR SALE.
OVERTON HARRIS, - HARRIS, MO.

Registered Herefords.
FOR SALE—16 Bulls, from 10 to 24 months old; 25 Heifers, sired by Imp. Lynhales Prince 76032 and bred to Diplomacy 120176; 15 Heifers, from 10 to 20 months old.
THOMAS EVANS, - HARTFORD, 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 71634. A few choice young bulls for sale.
ROBERT H. HAZLETT
ELDORADO, KANSAS.

The Wayside Herd of Registered
HEREFORDS
"ANXIETY WILTONS." Bulls in service are Printer 66884, March On 14th 106678, and Good Sign 140887. Next public offering at Sioux City, Iowa. Watch for date. You had better get some Printer heifers while you can. They will be higher than a cat's back after this year. Paste this in your hat. Savey?
W. W. GRAY, FAYETTE, MO.

SUNFLOWER
Registered Herefords
200 Head in Herd.
Herd Bulls now in use are sons of Don Carlos 33734. Twenty-four Young Bulls ready for service for sale.
D. L. Taylor, Sawyer, Pratt County, Kansas

STEELE BROS.,
BELVOIR, DOUGLAS CO., KANS.,
BREEDERS OF SELECT
HEREFORD CATTLE

SOLDIER CREEK HERDS OF
Herefords, Shorthorns,
Polled Shorthorns

SERVICE BULLS:
HEREFORDS
Columbus 17th 91364, Elvina's Archibald 75988, Jack Hayes 2d 119761, Jack Hayes 3d 124109.
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Jubilee Stamp 128017, Orange Dudding 149469.
POLLED
Scotch Emperor 133646, Ottawa Star 113109.
Herds consist of 500 head of the various fashionable families. Can suit any buyer. Visitors welcome except Sundays. Address
JOSEPH PELTON, Manager,
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Young Stock For Sale.
Inspection or Correspondence Invited.

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100 REGISTERED CATTLE FOR SALE
WE BREED, BUY, AND SELL.
Our individuals are low, blocky, dark red, with drooping horns mostly. Their ancestry is the richest: Lord Wilton, The Grove 3d, Anxiety, Earl of Shadeland 22d, and Hesiod. Three extra yearling Bulls and 7 good. Twenty yearling Heifers. Seventy Cows and Calves.

POLAND-CHINA SWINE.
Choice Registered Stock of both sexes for sale
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SCOTT & MARCH,
BREEDERS OF
HEREFORD CATTLE

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BULLS in Service: HESIOD; 29th, Imp. RODERICK, GILTEDGE—son of Dale and Expansion. A car-load of Heifers bred to our best bulls, and a car-load of choice Bulls, 18 to 24 months old at private treaty

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

MAPLE LEAF HERD OF THOROUGHbred SHORTHORN CATTLE and POLAND-CHINA SWINE.
Farm is 2 miles south of Rock Island depot.
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Rock Hill Shorthorns and Saddle Horses

Will sell 75 Shorthorns at Blackwell, Oklahoma, on Thursday, Nov. 19. About 25 bulls, including three Crutcherhams, one of which, Mayor 122229 we have used for past 2 years. Also a few Scotch cows included

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Railroad Station, Newman, Kansas.

PONY CREEK HERD SCOTCH AND SCOTCH-TOPPED SHORTHORNS

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:
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Bulls, bred heifers, and cows with calves at foot sired by Lord Mayor 112727, Knight Valentine 157068 and Golden Day for sale. Heifers bred to Golden Day and calves at foot by each herd bull.

T. P. BABST & SONS, Auburn, Kans.
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Pearl Shorthorn Herd.

Baron Ury 2d 124970 and Sunflower's Boy 127337 Head the Herd.

Can ship via Rock Island, Union Pacific, Santa Fe, or Missouri Pacific Railways.
FOR SALE—12 yearling bulls and a lot of calves.
Call, telephone or write to
C. W. Taylor, Pearl, Dickinson Co., Kans.

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SCOTCH AND SCOTCH TOPPED Shorthorn Cattle, Poland-China Swine.

Two Scotch bulls in service. Representative stock for sale. Address,

ANDREW PRINGLE,
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Glenwood Herds Shorthorn Cattle

Victor of Wildwood 125054, a pure Crutcherhank-Orange Blossom in service. Females of highest Scotch quality. Choice bulls and females for sale.
C. S. NEVIUS, Prop., Chiles, Miami Co., Kas
Write for our special price on yearling and 2-year-old heifers. We change this ad. next week.
Telephone at farm.

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FOR SALE CHEAP to reduce herd—Imp. Scotch, Scotch-topped Bates and best American families. Cows bred; also bred and open heifers. Young bulls 8 to 24 months of age. Visitors always welcome. Long distance phone at farm.

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Pure Scotch and Scotch-topped....

Shorthorns

Imported Scottish Knight 136371 heads the herd.
H. W. WEISS,
Formerly of Sutherland, Iowa. Westphalia, Kas

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Herd Bull For Sale—Acomb Duke 18th 142177, is worth looking after; also 13 young Bulls ready for service, and eight young Cows with calves by Acomb Duke 18th. Inspection invited.
A. M. ASHCRAFT,
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I have a few good Shorthorn cows and heifer calves for sale, also a few young bulls from 6 to 8 months old, the best lot I ever bred. Herd headed by my fine Scotch bull, Minister 2d 150171.
J. M. COPELAND, Glasco, Cloud Co., Kas

Elder Lawn Herd Shorthorns

Headed by GALLANT KNIGHT and IMP. TILLYOAHEN
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., Kas.

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, Kans.

THE ...N. MANROSE... SHORTHORNS

Rural Route 5, Ottawa, Kans.

Giltspur's Knight 171591, at head of herd. Young bulls ready for service, for sale.

Plainville Shorthorn Herd.

Herd headed by Strawberry Baron 149498

FOR SALE—Fifteen Bulls of serviceable age, 5 Bull Calves, and choice Cows and Heifers out of choice dams and sired by herd bull, Waterloo Duke of Hazelhurst 11th 130723, or Potphar 124995. Prices reasonable. Inspection and correspondence invited. Address,

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BREEDERS OF PRIZE-WINNING

SHORTHORN CATTLE, BERKSHIRE SWINE, SHROPSHIRE SHEEP

Great constitution and lung capacity gained in high altitudes. A few select young swine and sheep for sale. ED. GREEN, MORRISON, COLORADO.

SILVER CREEK Shorthorns

The imported Missie bull, Aylesbury Duke 159763, and the Scotch bull Lord Thistle 120960 in service. A few Aylesbury Duke bull calves of most excellent individuality for sale. See our herd at the prominent Western shows this fall.

J. F. Stodder,

BURDEN COWLEY CO., KANS.

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ABERDEEN-ANGUS CATTLE AND PERCHERON HORSES
FOR SALE. All stock recorded.
GARRET HURST, PECK, KANSAS.

Sutton's Doddies.

40 Bulls For Sale.
Every one a good one and at farmers' prices. Elegant breeding and quality. The kind that sire my champion steers.

Chas. E. Sutton, Russell, Kansas.

ALLENDALE HERD OF Aberdeen - Angus Cattle.

The Oldest and Largest in the United States. Splendid recently imported bulls at head of herd. Registered animals on hand for sale at reasonably prices at all times. Tussard herd at Allendale, near Iola and La. Harpe; address Thos. J. Anderson Manager, Iola, Allen Co., Kans., R. R. 2, or—ANDERSON & FINDLAY, Proprietors, Lake Forest, Ill

THE SUNFLOWER HERD PURE-BRED Angus Cattle

Herd headed by HALE LAD 30645. Herd numbers 250 head, the largest herd bred by owner in America. Stock for sale Address

PARRISH & MILLER,
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Jim Creek Herd ..Aberdeen-Angus Cattle..

Reginal Doon 32728 and Gardner Mine 32240 at head of herd. 100 head of splendid bulls, 11 to 23 months old, weighing up to 1200 pounds, for sale. Prime condition, not registered. Guaranteed breeders and a snap in prices. Address

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GALLOWAY CATTLE.

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 16-hand 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.

CLOVER HILL FARM.

Breeders of CHOICE REGISTERED

Galloway Cattle.

Arnold the Great 15520 by King Hensol and Decoy of Wavertree 17094 by Imp. Miro of Castlemilk at head of herd. Extra fine young bulls by Arnold the Great for sale. GEO. M. KELAM & SON, Richland, Shawnee County, Kansas.

C. N. MOODY, BREEDER OF ..Galloway Cattle..

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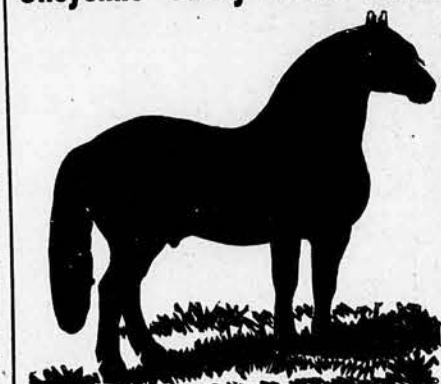
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Both Sexes—Bred and Open Sows and Gilts.

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Either singly or in lots to suit purchaser. The herd consists of the great herd bull, Watchman 126072 by Beau Brummell 51817; 8 young bulls 10 to 25 months old; 22 heifers 10 to 24 months old; the remainder are cows and calves. Will sell on long time with low rate of interest to purchaser on good paper. Address
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