

# KANSAS FARMER

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TOPEKA, KANSAS, NOVEMBER 24, 1904

Established 1863. \$1 a Year

## KANSAS FARMER.

Established in 1863.

Published every Thursday by the  
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E. B. COWGILL.....President  
J. B. McAFEE.....Vice President  
D. C. NELLIS.....Secretary and Treasurer

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116 West Sixth Ave., Topeka, Kans.

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The people of Kansas are thankful for fairly good crops, for good prices on all they have to sell, for a delightfully mild Indian summer, for good health, for peace throughout this broad land and for a reasonable prospect of continued prosperity.

The changed position of the American market for breadstuffs is indicated by a comparison of exports of these articles for October, 1904, with the exports for October, 1903. The total value of breadstuffs exported was \$18,895,000 for October, 1903, and only \$7,458,000 for October, 1904. The disparity in quantities exported is greater than the disparity in values.

New York comes to the front with the worst prize-pumpkin story. The

pumpkin was raised by a boy who left only one on the vine, nourished the vine with milk, and took the prize at the county fair. The judges cut open the pumpkin with a view of testing its qualities for pies and found, instead of seeds, seven pounds of butter inside that pumpkin. We are truly thankful that this tale is not attached to a Kansas pumpkin.

The place where a post, or any timber placed in the ground, rots is in the surface soil. This is owing to the

### FROM THE CITY TO THE FARM.

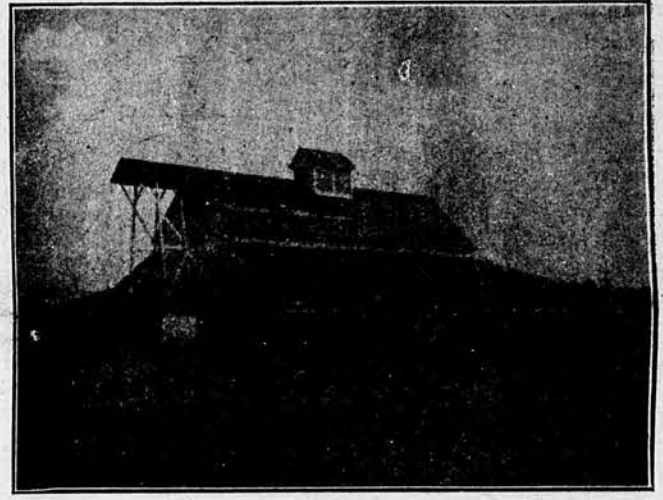
Retirement from active mercantile pursuits to the farm has brought Mr. C. W. Merriam, formerly a wholesale grocery merchant, of Chicago, to the ownership and active management of a farm near Topeka. This farm is about two miles southwest of the city. It was bought a couple of years ago at \$55 an acre. The improvements made by Mr. Merriam have brought the investment to \$150 an acre. This farm when purchased was in the condition usual to a farm that has been

for about a half-mile from the public road to the buildings.

Mr. Merriam's home is in the city of Topeka, but he has provided a "Bungalow" for himself and wife when it suits them to visit the farm. This bungalow contains a reading-room, a kitchen and dining-room, a bed-room, and abundant porches. A telephone connects it with the city exchange. Another telephone at the foreman's house renders communication with the man in charge easy from either the bungalow or the city home.



The bungalow is a pleasant retreat well equipped for rest and enjoyment.

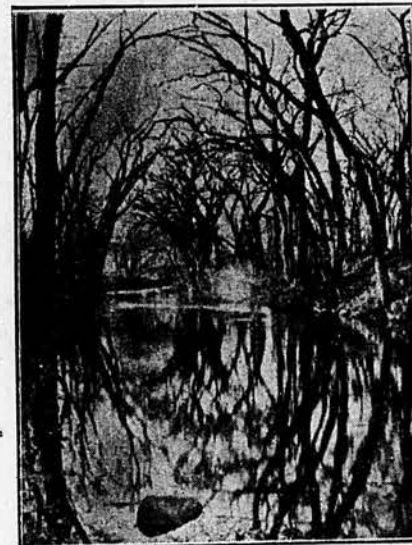


The barn is large and commodious, sheltering the cattle and horses and feed for them.

activity of the bacteria of decay in this part of the soil. But the practical man is interested more in a remedy for than in the cause of the trouble. What appears to be a good suggestion has just been adopted by the Topeka Railway Company for the protection of the expensive poles which support their wires. The new plan assures both firmness in position and durability. After the pole is placed a space of several inches at the bottom of the hole is filled with cement mortar; the hole is then filled with loose earth to near the top. The upper part of the hole is filled with cement mortar which is rounded to a couple of inches above the surface.

Corn exports from the United States during the ten months ending with October, 1904, fall 23 million dollars below the figures for the corresponding period of 1903; wheat exportations, over 41 millions below those of the corresponding period of last year; and flour exports, 16 millions below the same month of 1903. The preliminary statement of the U. S. Bureau of Statistics shows an exportation of only 10,982,193 bushels of wheat in the ten months ending with October, 1904, against 62,554,798 bushels in the corresponding months of last year; 9,918,705 barrels of flour, against 15,332,887 barrels in the corresponding months of last year; and 36,998,921 bushels of corn, against 80,707,526 bushels in the corresponding months of last year. But the falling off in exports of breadstuffs is more than compensated by the increase in exportation of cotton and of manufactured articles.

rented for several years. The dilapidated appearance has vanished. Barns big enough to house all the stock the place can carry and to shelter the feed, have been erected. Tool sheds protect the machinery. Fences wherever needed have been built. The 30 acres of timber has been thinned, trimmed, and sown to English blue-



The Shunganunga winds through the woods pasture.

grass, at a cost of \$1,300. A mineral spring has had a house built over it and has been otherwise so improved as to make it attractive and useful. A comfortable home for the foreman has been provided. One of Mr. Merriam's chief objects of pride is his big field of alfalfa sown last August. The stand is beautiful. It skirts the drive

Extreme neatness characterizes the entire place. Shunganunga Creek winds through the 30-acre woodland pasture. Its banks have been cleared of all brush and weeds, so that, while a pasture, this woodland is also a fine park. The bungalow is located near the creek and at the edge of the woods so that it gets the full benefit of the beauty of the place.

The horses on the farm are good, substantial, well-kept, medium-heavy animals. The hogs, of which there are rapidly increasing numbers, are registered Poland-Chinas. The cattle are thoroughbred Shorthorns, in the purchase of which the motto has been "get the best." With ample means and careful study Mr. Merriam is making his "Aylsdale Herd" an ideal one. He has formed a great liking for the blocky Cruickshank animals, of which he has several typical females. A worthy object of pride is the recently purchased heifer, Orange Viscountess 2d, by Lavender Viscount 124755, out of Orange Maid, she a straight Scotch heifer of Amos Cruickshank's celebrated Orange Blossom family. An own sister of her dam (Orange Miss) sold at 7 years old for \$1,410 at E. S. Donahey's sale in June, 1902. Lavender Viscount was winner of the American cup in 1900 and of the grand championship at Kansas City and Chicago in 1901. He is straight Scotch of the Orange "Brawith Bud" family. The heifer, Orange Viscountess, has individuality worthy of her ancestry.

Since becoming interested in Shorthorn cattle, Mr. Merriam has lost, successively, two bulls, heads of his herd; but has each time replaced the loss by  
(Continued on page 1166.)

**Agriculture**

**Coming Events.**

Will secretaries and those having the management of coming events, oblige the Kansas Farmer by sending dates?

November 26-December 3, 1904—International Live-Stock Exposition, Chicago, Ill.

November 28, 1904, American Southdown Breeders' Association, Live Stock Record Building, Union Stock Yards, Chicago.

November 29, 1904, American Berkshire Association, Live Stock Record Building, Union Stock Yards, Chicago, 7 p. m.

November 30, 1904, annual meeting of stockholders, American Shorthorn Breeders' Association, Grand Pacific Hotel, Chicago, 8.30 p. m.

December 30 and 31, 1904, Kansas Auctioneers' Association annual meeting.

December 8-9, Farmers' Institute, Hackney, Cowley County. Mrs. Ella Beach. Prof. E. A. Popenoe and Asst. G. C. Wheeler.

January 11-14, 1905, Farmers' Institute, Hiawatha, Brown County. E. A. Chase.

January 12, Women's Day, Miss Flora Rose; January 13, Assistant V. M. Shoemsmith.

December 7-8, Caldwell, Sumner County, C. M. Johnston, Caldwell. Prof. E. A. Popenoe and Asst. G. C. Wheeler.

December 14-15, Oak Grange, Shawnee County, Mrs. L. E. Tice, R. F. D. No. 7, Topeka, Kans. Profs. Henrietta W. Calvin and E. A. Popenoe.

December 18-19, Berryton, Shawnee County, W. H. Waters, R. F. D. No. 20, Berryton, Kans. Profs. E. A. Popenoe and J. D. Walters.

December 19-20, Stockton, Rooks County, J. C. Foster, Stockton. Profs. A. M. TenEyck and Henrietta W. Calvin.

February 2-3, 1905, Summerfield, Marshall County, S. Baringer, Beattie. Profs. E. A. Popenoe and Henrietta W. Calvin.

The Summerfield Institute is a joint farmers' institute of the farmers of Marshall County, Kans., and Pawnee County, Nebr.

**Questions Answered Regarding Grain Weevils.**

BY E. S. TUCKER, MUSEUM ASSISTANT IN SYSTEMATIC ENTOMOLOGY, UNIVERSITY OF KANSAS, LAWRENCE.

Little claim can be made for original work in replying to inquiries about insects, as many references are advantageously quoted from various writings for which credit is given to the author in each instance. The value of information is often presented in the language of a good authority, whose original investigation of the

subject in question should be acknowledged even if a rewritten form were prepared in simpler words.

**GRAIN WEEVILS.**

Please give the readers of the valuable KANSAS FARMER a short description with an account of the habits and life of the Kansas granary weevil, and also tell how to treat an infested granary or bin so as to get rid of the pest.

I had about 400 bushels of wheat put in a bin at thrashing time and I thought that the wheat was in nice shape when it was put in. At sowing time I found the wheat damp and warm and full of little brown bugs. People here call them granary weevils. They are from 1/8 to 3-16 of an inch in length. Now did the bugs cause the wheat to get warm or did the sweating of the wheat induce the bugs to get into the grain? The wheat was so damp and warm that it stood in a mass like a wall around the holes made in it when taking it out of the bin.

Do the granary weevils also get into rye and oats, and how do they injure the grain? My wheat proved by test to be as good, considering the dampness, as though there were no bugs in it, and I could see no injury to the grain. We sowed it and the plants came up all right.

Yoder, Reno County, Kansas, October 13, 1904.

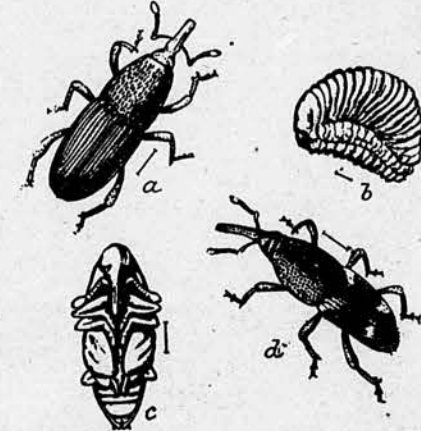
Two kinds of grain weevils are known as serious pests in stored grain, but to tell which one was infesting your wheat, even if it is a true weevil and not some other kind of grain insect, can not be done without first having specimens identified, and you did not furnish samples, although requested, to do so. However a description of both kinds will be more helpful than of one kind alone, and as one or the other was likely your pest, both kinds occurring in Kansas as well as in other States, an account of both will need to be given for an answer in such a case as you have stated.

An authority in treating of insects injurious to stored grain is Mr. F. H. Chittenden of the United States De-

partment of Agriculture, and references regarding the weevils as published in his work known as Farmers' Bulletin No. 45, may advantageously be quoted here as readily answering all of your questions and more.

"In regard to the susceptibility of different grains to 'weevil' attack, it may be said that unhusked rice, oats, and buckwheat are practically exempt, but the hull of barley offers less protection to the seed. Husked or hulled grains are naturally more exposed to infestation, and the softer varieties suffer far more injury than do the harder, flinty sorts.

"In times when grain was kept long in store, and long voyages were necessary in its transportation, losses through the depredations of insects were much heavier than at present, these pests being exceedingly prolific and increasing enormously under such conditions. Heat and dampness, the latter inducing a condition of the grain termed 'heating,' also favor the undue increase of insect life, and the insects, when present in large numbers, cause, in some unexplained man-



LIFE STAGES OF GRAIN WEEVILS.

Calandra granaria: a, beetle; b, larva; c, pupa. Calandra oryza: d, beetle. All enlarged. (From Chittenden, Farmers' Bulletin No. 45, U. S. Dept. of Agriculture.)

ner, a very perceptible rise in temperature to the infested mass. It is unnecessary to add that dampness and 'heating' alone do not of themselves engender 'weevil,' every individual insect owing its existence to



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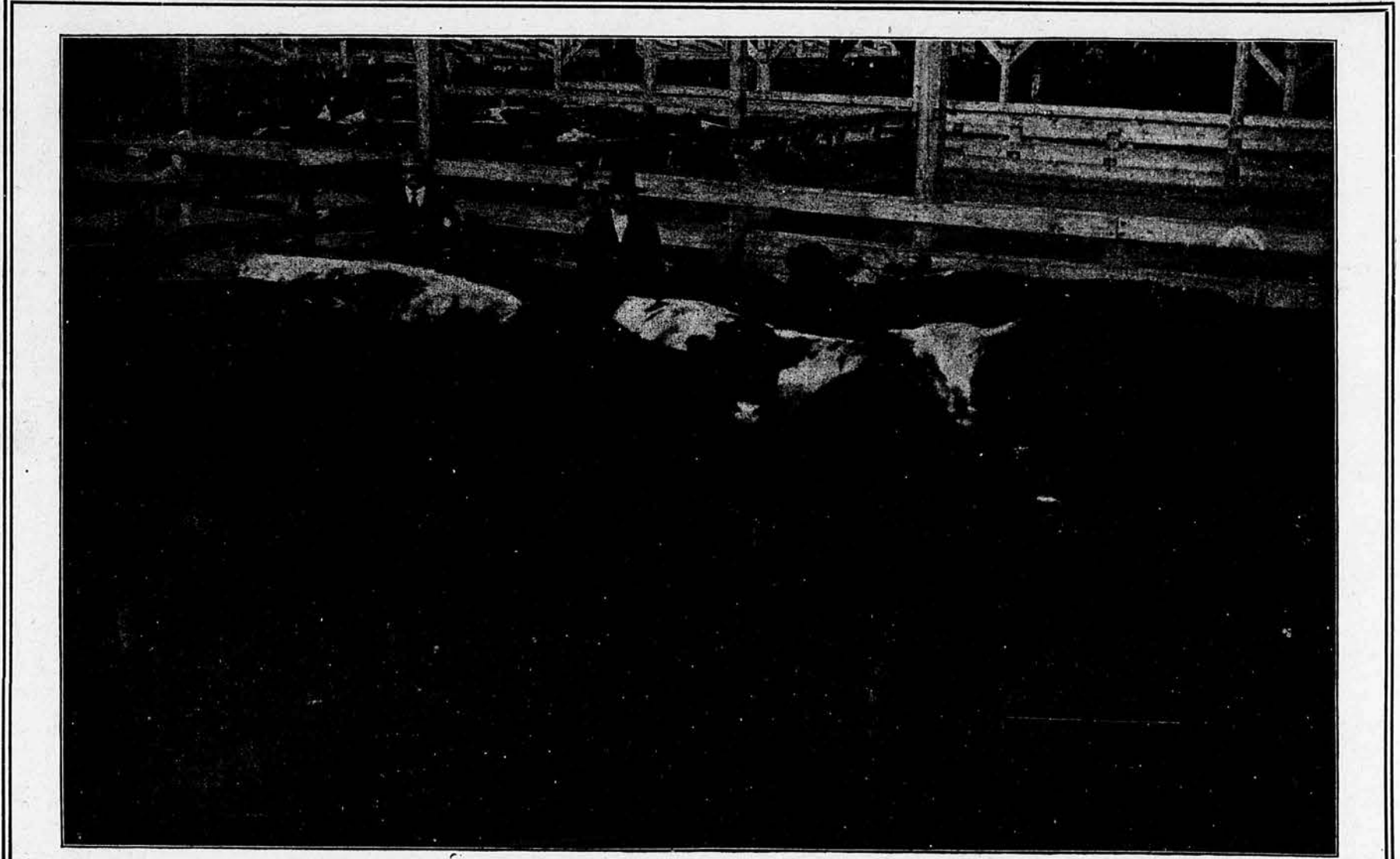
**J. STEVENS ARMS & TOOL COMPANY**  
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Chicopee Falls, Mass., U. S. A.

an egg deposited in the grain by the parent of the insect.

"All the various species of insects that attack stored grain are indiscriminately called weevils, or simply 'weevil,' but the only true grain weevils are the granary weevil and the rice weevil.

"These two insects resemble each other in structure as well as in habit. They are small, flattened, brown snout-beetles of the family Calandridae. Neither is more than a sixth of an inch in length, but their rate of development is so rapid that they do an almost incalculable amount of injury in a short period of time. Their heads are prolonged into a long snout or proboscis, at the end of which are the mandibles; their antennae are elbowed and are attached to the proboscis.

"The Granary Weevil (*Calandra granaria* Linn.). The granary weevil has been known as an enemy to stored grain since the earliest times. Having become domesticated ages ago, it has



TOPPED THE CHICAGO MARKET.

This load of steers, averaging 1,512 lbs., was sold at Chicago on November 7 by Clay, Robinson & Co. at \$7, highest price of the season. They were fed by Geo. Ward, King City, Mo., and shipped by Pratt & Deiter of the same place.

long since lost the use of its wings and is strictly an indoor species.

"The mature weevil measures from an eighth to a sixth of an inch, is uniform shining chestnut brown in color, and has the thorax sparsely and longitudinally punctured, as indicated, much enlarged, illustrated at a.

"The larva is legless, considerably shorter than the adult, white in color, very robust, fleshy, and of the form shown in the illustration (b). The pupa, illustrated at c, is also white, clear, and transparent, exhibiting the general characters of the future beetle.

"The female punctures the grain with her snout and then inserts an egg, from which is hatched a larva that devours the mealy interior and undergoes its transformations within the hull. In wheat and other small cereals a single larva inhabits a grain, but a kernel of maize furnishes food for several individuals.

"The time required for the completion of the life cycle varies with the season and climate, and the number of generations annually produced is consequently dependent upon temperature. The midsummer period from egg to adult is about six weeks, and there may be, under favoring conditions, four or five broods in this latitude (Washington, D. C.) and six or even more in the South.

"This species is injurious in wheat, maize, barley, and other grains and attacks also the chick-pea (*Cicer arietinum*), a food product of the Tropics. Unlike the moths which attack grain, the adult weevils feed also upon the kernels, gnawing into them for food and for shelter, and, being quite long-lived, probably do even more damage than their larvae. This species is very prolific, egg-laying continually over an extended period. It has been estimated that one pair will, in the course of a year, produce 6,000 descendants, and it will be seen that the progeny of a single pair are capable in a short time of causing considerable damage.

"The Rice Weevil, *Calandra oryza* Linn.—A very similar insect to the preceding is the rice weevil, which derives both its popular and Latin name from rice (*oryza*), in which it was originally discovered. It is conceded to have originated in India, whence it has been diffused by commerce until it is now established in most of the grain-growing countries of the world. It is a serious pest in the Southern States, where it is commonly, though erroneously, called 'black weevil,' but farther north is of less importance. It occurs, however, in every State and Territory in the Union, and occasionally invades Canada and Alaska.

"This species resembles the granary weevil in size and general appearance, but differs in being dull brown in color, in having the thorax densely pitted with round punctures, and the elytra, or wing cases, ornamented with four more or less distinct red spots, arranged as in the illustration (d). Unlike the preceding species it has well-developed and serviceable wings. The larvae and pupae are also similar to those of the granary weevil, and in habits and life history these two species do not materially differ, except in that the rice weevil may often be found in the field remote from the granary, and in the extreme South and in the Tropics lays its eggs in standing grain.

"The rice weevil feeds upon the grain of rice, wheat, particularly the soft varieties, maize, barley, rye, hulled oats, buckwheat, chick-peas, and the cultivated varieties of sorghum known as Kafr- or Jerusalem-corn, etc., and the adult beetles, when abundant in store-houses and groceries, invade boxes of crackers, cakes, and other breadstuffs, barrels of flour and bags of meal."

"The Bisulfide of Carbon Treatment.—The simplest, most effective, and inexpensive remedy for all insects that affect stored cereal and other products is the bisulfide of carbon, a colorless liquid with a strong, disagreeable odor, which, however, soon passes away. It vaporizes abundantly at ordinary temperatures, is highly inflammable and is a powerful poison.

"It may be applied directly to infested grain or seed without injury to its edible or germinative principles by spraying or pouring, but the most effective manner of its application in moderately tight bins or other receptacles consists in evaporating the liquid in shallow dishes or pans, or on bits of cloth or cotton waste distributed about on the surface of the infested material. The liquid rapidly volatilizes, and being heavier than air descends and permeates the mass of grain, killing all insects and other vermin present.

"The bisulfide is usually evaporated in vessels containing one-fourth or one-half of a pound each, and is applied in tight bins at the rate of a pound to a pound and a half to the ton of grain, and in more open bins a larger quantity is used. For smaller masses of grain or other material an ounce is evaporated to every 100 pounds of the infested matter. Bins may be rendered nearly air-tight by covering with cloths, blankets, or canvass.

"Infested grain is generally subjected to the bisulfide treatment for twenty-four hours, but may be exposed much longer without harming it for milling purposes. If not exposed for more than thirty-six hours its germinating power will not be impaired. In open cribs and badly infested buildings it may sometimes be necessary to use a double quantity of the reagent and repeated treatment at intervals of about six weeks during the warmest weather."

PRECAUTIONS AGAINST INFESTATION OF GRANARIES OR BINS.

Can you tell me through the KANSAS FARMER whether shelled corn put in a bin where there has been kept weevily wheat would be likely to become weevily? If so, what in your judgment would be the best and cheapest plan to exterminate the pest? Windom, Kansas, October 28, 1904.

(Note.—While the subscriber's post-office is given at Windom, which place is in McPherson County, his farm is evidently in Rice County since this name is given in his letter.)

In the publication so freely quoted from in reply to preceding inquiry, which you should note, further references can be presented to directly answer your questions:

"Fresh grain should not be exposed to insect attack by being placed in bins with 'weeviled' grain, or even housed under the same roof with such grain. If before storing in buildings that have been infested, the old grain be removed, the bins thoroughly cleaned, floors, walls and ceilings brushed and scrubbed, the chances of infestation will be reduced to a minimum. If the storehouse has been badly infested, a fumigation with bisulfide is necessary.

"For the fumigation of a building or a reasonably close room it is customary to evaporate a pound of the bisulfide for every thousand feet of cubic space. In comparatively empty rooms, and in such as do not admit of being tightly closed, two or three times the above quantity of the chemical is sometimes necessary.

"Certain precautions should always be observed. The vapor of bisulfide is deadly to all forms of animal life if inhaled in sufficient quantity, but there is no danger in inhaling a small amount. The vapor is inflammable, but with proper care that no fire of any kind, as, for example, a lighted cigar, be brought into the vicinity until the fumes have entirely passed away, no trouble will be experienced.

"Bisulfide of carbon retails at from 20 to 30 cents a pound, but at wholesale, in 50-pound cans, may be obtained for 10 cents a pound. A grade known as 'fuma bisulfide,' for sale at the latter price, is said to be more effective than the ordinary commercial article.

"At the rate used, the cost of treatment is from 10 cents and upward for each ton of grain."

OTHER GRAIN PESTS.

Below is a list of other species of insects which are injurious to stored grain. These pests occur in Kansas

and are liable to be mistaken for grain weevils when found in any of their stages or by their work by persons who fail to recognize them. However, the treatment already mentioned for the weevil is equally effective for any of these insects:

The Angoumois grain moth; the meal snout-moth; the rust-red flour beetle; the slender-horned flour beetle; the yellow meal-worm, the dark meal-worm; the saw-toothed grain beetle; and the cadelle.

Besides these names a number of others might be added if reports were searched farther or investigations made. Any person finding grain-pests at work will confer a favor by reporting and sending specimens for identification, to Insect Museum, University of Kansas, Lawrence.

Seeding Wet Lands for Pasture.

Please send me your latest advices on seeding down a farm for grazing purposes. This is low land where high waters cover most of it two or three times during the spring. How would alfalfa do on this kind of land, and could I sow it now or is there any good seed to sow on the first snow, something for pasture and that would grow quickly? CHAS. HUGHES. Miami County.

My judgment is that the land which you have described would not be well adapted for growing alfalfa. It is apparently too low and too poorly drained to grow this crop successfully. Alfalfa needs a deep soil, plenty of root-room and it will not stand flooding for any considerable period; and even if the flood-water did not stand on the field long at a time, unless the land were well drained the alfalfa would not thrive and would probably kill out in the low places. Also alfalfa alone is probably not a safe pasture for cattle. If your purpose is to turn this land into pasture, it would be better to seed down to some kind of grass and if the alfalfa be sown, include only a small amount in combination with the grass.

On such land as you describe, English blue-grass, redbud and Alsike clover will be found better adapted for either pasture or meadow than alfalfa. Redbud is the best low-land grass and grows well in poorly-drained lands and will stand more flooding perhaps than any other grass. The English blue-grass will also do well on bottom-land, and the Alsike clover is better adapted for growing on wet lands than any other clover. I would recommend to seed the following combination: English blue-grass, 15 pounds per acre; redbud, 8 pounds per acre; Alsike clover, 2 or 3 pounds per acre.

On the wettest and most poorly drained land the amount of redbud might be increased and less English blue-grass sown, while on the high better-drained ground sow more English blue-grass and less redbud.

The best time to sow these grasses and the clover is early in the spring on a well-prepared seed-bed. If the land is not now plowed, prepare a seed-bed by disking and harrowing early in the spring as soon as the soil is in fit condition to work. This method is especially adapted for preparing a seed-bed on corn land or on any ground which produced cultivated crops last season, provided the land has not been left covered with too great a growth of weeds. Often other land can be suitably prepared by disking and harrowing and I consider such preparation preferable to spring plowing, wherever this method can be used. If it is necessary to plow the land it should be plowed as early as possible, rather shallow and should be packed and well harrowed immediately after plowing so as to settle the soil and put it in good, firm condition.

You will not be able to get much pasturage during the first season. If the season is very favorable and the grass starts early, it may be pastured lightly in the fall, but care should be taken not to over-pasture it the first season. If it is necessary for the land to furnish pasture the first season, you had best sow part of the ground with annual crops, such as the early spring grains, oats, barley and emmer,

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and a little later in the season cow-peas and cane may be seeded for pasture. This will furnish pasture during the summer and early fall when the perennial grasses will have made sufficient growth to supply fall pasturage.

I would not advise sowing grass-seed on the snow. The method has been followed in the Middle States of sowing grass-seed and clover early in the spring on the snow, but I never knew grass seed to be sown in the winter time. The safest method is to prepare a good seed-bed and sow early in the spring, as I have suggested.

A. M. TENEYCK.

**Yield and Quality of Crops.**

Preliminary returns to the Chief of the Bureau of Statistics of the Department of Agriculture on the production of corn in 1904 indicate a total yield of about 2,453,000,000 bushels, or an average of 26.7 bushels per acre, as compared with an average yield of 25.5 bushels per acre as finally estimated in 1903, 26.8 bushels in 1902, and a ten-year average of 24.2 bushels.

The general average as to quality is 86.2 per cent, as compared with 83.1 last year, 80.7 in 1902, and 73.7 in 1901. It is estimated that about 3.6 per cent of the corn crop of 1903 was still in the hands of farmers on November 1, 1904, as compared with 5.2 per cent of the crop of 1902 in farmers' hands on November 1, 1903, 1.9 per cent of the crop of 1901 in farmers' hands on November 1, 1902, and 4.6 per cent of the crop of 1900 in farmers' hands on November 1, 1901.

The preliminary estimate of the average yield per acre of buckwheat is 18.9 bushels, against an average yield of 17.7 bushels in 1903, 18.1 in 1902, and a ten-year average of 17.9 bushels. The average for quality is 91.5 per cent, against 91.4 last year, 88.1 in 1902, and 93.3 in 1901.

The preliminary estimate of the average yield per acre of flaxseed is 10.2 bushels, as compared with a final estimate of 8.4 bushels per acre in 1903 and 7.8 bushels in 1902. The average as to quality is 92 per cent, as compared with 84.9 one year ago.

The preliminary estimate of the average yield per acre of potatoes is 110.4 bushels, against an average yield of 84.7 in 1903, 96 bushels in 1902, and a ten-year average of 81 bushels. The average as to quality is 93.4, as compared with 86.4 per cent one year ago, 90.4 in 1902, and 78.4 in 1901.

The preliminary estimate of the average yield per acre of hay is 1.52 tons, against an average yield of 1.54 tons in 1903, 1.50 tons in 1902, and a ten-year average of 1.35 tons. The average as to quality is 92.7 per cent, against 91.3 one year ago, 85.7 in 1902, and 91.3 in 1901.

The preliminary estimate of average yield per acre of tobacco is 819 pounds, as compared with the final estimate of 786.3 pounds in 1903, 797.3 pounds in 1902, and a six-year average of 730.7. The average as to quality is 89.5 per cent, as compared with 85.9 per cent one year ago.

The preliminary estimate of the average yield per acre of rough rice is 32.1 bushels, against an average yield of 32.7 bushels in 1903, and 27.3 bushels in 1902.

**Horticulture**

**Watermelons a Valuable Crop.**

EDITOR KANSAS FARMER:—This is a crop that a few men that live near every town can make some early money out of. If planted early you will get money from them earlier than from any other crop and get your own price, 35 and 50 cents apiece, for melons soon count dollars. I have been growing melons for twenty years and think I know the best all-round way, take it one year with another. And for the benefit of any one who will give melon-growing a trial, I will give my method. The first and most important thing is good seed. I have a new melon I have been growing for four years that seems to be adapted

to the hot sun and does not scald like most varieties. It is the most prolific melon I ever saw and it seems to get better every year. I had such an enormous yield this year that I was unable to market about two-thirds of my crop. I have saved a very large and fine lot of seed, and I would like to send every brother farmer a bunch of seed if he will give them a fair trial and suggest a name for the melon after he has grown it. Always use well-rotted manure and cottonseed-meal, one quart of meal and two shovelfuls of manure to the hill. Make the rows ten feet apart and the hills eight feet apart. Make the hills three feet in diameter and mix the fertilizer well. Plant as early as you can. If you think there is danger of frost, cover with pieces of newspaper. When the vines begin to run, plow with sweep and when they are three feet long turn and plow shallow so as to break no roots. Take the grass out of the hill with a hoe, leaving only two vines in a hill, and you are done until your melons are ripe. Then you will begin to fill your pockets with chicken money. It is the most valuable crop I ever raised. If any one writes for seed, kindly send postage. Newton, Texas. G. D. PEREGO.

**Spanish Peanuts.**

EDITOR KANSAS FARMER:—I can not give up this crop as long as I stay on the farm, it has so much advantage over other crops. First, it has no insect enemy. Second, when you plant you are sure of a crop. It will withstand more dry weather than any other crop. Third, poor, sandy land that would not pay in any other crop will make a fine crop of peanuts. I have this year about twenty acres of sandy land planted that will easily make fifty bushels to the acre without fertilizer, that would not make over eight bushels of corn to the acre. The vines make the finest hay I ever fed when properly cured. If you pull them up in the evening, and the sun shines bright the next day, take them in late in the evening and you will have the sweetest hay you ever saw. My horses will leave alfalfa to eat peanut hay cured in this way. The peanuts are the best hog-feed I ever tried. If you want to feed hogs on peanuts, have a block in your barn or crib and a sharp hatchet and you can chop off the bunch of peanuts with from a pint to nearly a quart on each root; you can chop off two bushels of peanuts while you would be shelling one bushel of corn. They will fatten hogs faster than anything else, and keep them healthy. Some people say there is no money in peanuts; but I know there is for I get money the year round from mine. I am now supplying two stores, besides I fatten my hogs and feed my horses and cows. Brother farmers, try them by all means. Plant the rows three feet apart and the hills one foot apart. Keep clean and you need not worry about the yield. If you plant about April 20, they will be ready to harvest by August 20. They are a most valuable crop. G. D. PEREGO. Newton County, Texas.

**Planting Nuts.**

EDITOR KANSAS FARMER:—Please inform me where to get English walnuts for seed? The place I have selected for planting them is between a river and a creek. It is a rich, sandy soil which is never under water. Do you think this would be a good place for walnuts and chestnuts? If so, please tell me how to plant them. Mrs. Wm. McCall.

**Cloud County.**

The English walnut tree is not hardy in our climate, even our mildest winters being too cold for it, and the more severe winters killing it completely.

I think the location a good one for nut-trees, but would advise planting black walnut for the most part. It would be of interest to try some pecans and shell-bark hickories; but so far as observed these are of doubtful value in your locality. We have best success planting nuts

in the fall. The soil should be in good condition, the nuts planted about three inches and the soil well firmed over them. If not convenient to plant in the fall, the seeds may be stratified in moist sand or soil, putting alternate layers of sand and nuts and having all moist enough to freeze well. They must be handled carefully when taken out and planted early in spring.

In planting the black walnut, or indeed any trees for nuts, it is well to select the seed carefully for both size of nuts and form of tree. We have noted in a few instances where early settlers planted walnuts and selected large nuts that the character is noticeable in the nuts from the young trees.

There can be little doubt that it would be profitable to plant black walnut in such soil as yours, as the lumber would in time be valuable. Chestnuts and hickories as well as pecans have been less successful in our plantings. ALBERT DICKENS.

**Potatoes from Seed.**

T. Greiner says: The potato is a very near relative of the tomato, and the potato-seed is produced, and can be saved and planted, just exactly as tomato-seed grows and is handled. Squeeze the contents of the potato-seed balls into a dish. Probably it will not be necessary to leave seed and pulp standing in a warm place until the pulp separates from the seed by fermentation, as the pulp does not adhere to the potato-seed with the same tenacity that it does in the case of the tomato-seed. Clean the potato-seed by washing. The seed will settle to the bottom, so that skins, pulp and other admixtures can be poured off the top. Then drain off the free liquid or better, put the seeds in a bag of muslin or cheese-cloth, and squeeze the water all out by moderate pressure. Then spread out to dry, and when dry put into paper bags, and store as you would any other kind of seed.

Planting Potato-Seed.—Raising new varieties of potatoes is always interesting even though it may not be particularly profitable. It is like a lottery—there are many blanks and the prizes are few and far between. I have never had the luck to raise a new variety that was found good enough after several years' trial to be retained and named for introduction. But to raise new varieties is simple enough if you have or can procure the seed—just as easy as to raise tomato-plants. The seed grows about as readily and as quickly. All you have to do is to plant it in a flat or prepared bed under glass, say in March, or even February. Prick out the plants when an inch or so high in the same way as you would handle tomato or pepper plants. You can pot them off singly in small pots, or put them in a flat of good soil, giving each plant two or three inches of space each way, or transplant them simply into a bed or bench in the green-house, in a hotbed, or even a cold-frame, and thus get them ready for transferring to open ground. Prepare the ground well after danger of late freezes is past, and set the plants in rows about fifteen or eighteen inches apart, and give good and clean cultivation, of course with proper spraying to protect them against diseases and insects.

The grape-vines may be trimmed at any time between the falling of the leaves and the last of February. Select such parts of the vine as you want to save and cut away all the rest. Leave enough of last year's growth to produce a crop.

**Chicago Live Stock Show.**

Every stockman needs the inspiration and benefit of the International Live Stock Exhibition. Arrange your plans to include a trip to Chicago for this event, November 26 to December 3. Round trip rate via the Santa Fe \$16. Ask T. L. King, Agent.

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# The Stock Interest

## THOROUGHBRED STOCK SALES.

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

November 26, 1904—W. H. Ransom, Wichita, Kans., Shorthorns.

November 28, 1904—Holstein-Friesian cattle at State Fair Grounds, Topeka, H. N. Holdeman, Girard, Kans.

November 29, 1904—American Galloway Breeders' Association, Chicago.

November 30, 1904—Herefords, Marshall County Hereford Breeders' Association, E. E. Woodman, secretary, Vermillion, Kans.

December 1, 1904—International Show and Sale by American Aberdeen-Angus Breeders Association, Chicago, Ill., W. C. McGavock, Manager.

December 6 and 7, 1904—Chas. W. Armour, Kansas City, and Jas. A. Funkhouser, Plattsburg, Mo., Herefords at Kansas City.

December 15, 1904—Combination sale of Percheron stallions and mares, Coach stallions, and jacks and jennets, at Ottawa, Kans., S. A. Spriggs, Westphalia, Kans., Manager.

December 21, 1904—M. L. Ayres, Shenandoah, Ia., Percheron brood mares.

January 4, 1905—Herefords, James A. Carpenter, Carbondale, Kans.

January 11, 12, 13, 1905—Breeders' Combination Sale, Bloomington Ill., Percherons, French Drafters, Clydesdales, Shires, and South horses, Aberdeen-Angus, shorthorns, Galloways and Herefords. C. W. Hurt, Manager, Arrowmith, Ill.

January 20, 1905—Poland-Chinas at (Girard, H. N. Holdeman).

January 31, 1905—S. H. Lenhart, Hope, Kansas, Poland-China bred sow sale.

January 25, 1905—G. A. Munson, Maxwell, Iowa, Duroc-Jerseys.

January 30, 1905—Geo. Kerr, Sabetha, Kansas, Duroc-Jerseys.

January 31, 1905—J. B. Davis, Fairview, Kansas, Duroc-Jerseys.

February 1, 2, 3, 4, 1905—Percherons, Shorthorns, Poland-Chinas, Wichita, Kans.; J. C. Robison, Towanda, Kans., Manager.

February 1, 1905—C. E. Pratt, Frankfort, Kansas, Duroc-Jerseys.

February 2, 1905—Duroc-Jersey brood-sow sale, by F. A. Dawley, Waldo, Kans. at Os orne, Kans.

February 2, 1905—J. O. Hunt, Marysville, Kansas, Duroc-Jerseys.

February 3, 1905—Chester Thomas, Waterville, Kansas, Duroc-Jerseys.

February 4, 1905—W. F. Garrett, Portis, Kansas, Duroc-Jerseys.

February 8, 1905—Schmitz Bros., Alma, Kans., Poland-Chinas.

February 14, 1905—E. P. Sherman, Olathe, Kans., Poland-Chinas.

February 16 and 17, 1905—Chas. M. Johnston, Manager, Caldwell, Kans., Combination sale of registered stock.

February 21, 1905—John W. Jones & Co., Delphos, Kans., Duroc-Jersey brood-sow sale.

February 22 and 23, 1905—Shorthorns and Poland-Chinas, N. F. Shaw, Manager, Plainville, Kans.

March 7, 1905—Jacks, jennets, and stallions, at Limestone Valley Farm, Smithton, Mo., L. M. Monsees & Sons, proprietors.

### Kansas Fine Stock at the World's Fair.

The State of Kansas is now recognized as a leading State of the Union for the production of fine stock of all kinds since the close of the live-stock show at the World's Fair, where Kansas breeders of improved stock achieved honors and reputation and received a due share of the prizes offered, in competition with the whole world.

The Louisiana Purchase Exposition Commission of Kansas, last January appointed H. A. Heath, of the KANSAS FARMER and secretary of the Kansas Improved Stock-Breeders' Association as superintendent of live stock, and he, in connection with the following World's Fair committee of the State Breeders' Association, had exclusive charge of the Kansas fine-stock display:

#### WORLD'S FAIR COMMITTEES.

Herefords—C. A. Stannard, Emporia, chairman; Robert H. Hazlett, Eldorado; Marion Jones, Comisky.

Shorthorns—S. C. Hanna, Howard, chairman; J. F. Stodder, Burden; T. P. Babst, Auburn.

Aberdeen-Angus—Chas. E. Sutton, Russell, chairman; Parker Parish, Hudson; Thos. Anderson, Iola.

Galloways—Geo. M. Kellam, Richland, chairman; E. W. Thrall, Eureka; S. M. Croft, Bluff City.

Red Polls—Wilkie Blair, Girard, chairman; Chas. Morrison, Phillipsburg; Mahon Groenmiller, Pomona.

Polled Durhams—Case Broderick, Holton, chairman; John D. Snyder, Winfield; J. J. Achenbaugh, Washington.

Dairy breeds—M. S. Babcock, Nortonville, chairman; E. W. Melville, Eudora; Wilkie Blair, Girard.

Berkshires—G. W. Berry, Emporia, chairman; W. H. Rhodes, Tampa; E. W. Mcville, Eudora.

Poland-Chinas—H. W. Cheney, North Topeka, chairman; C. F. Dietrich, Richmond; T. A. Hubbard, Rome.

Duroc-Jerseys—H. A. J. Coppins, Eldorado, chairman; J. B. Davis, Fairview; W. R. Dulaney, Wichita.

Chester-Whites—D. L. Button, North Topeka, chairman.

Tamworths—C. W. Freelove, Clyde, chairman.

Draft Horses—H. W. Avery, Wakefield, chairman; J. C. Robison, Towanda; H. W. McAfee, Topeka, Kans.

Standard-bred and Harness Class—O. P. Updegraff, Topeka, chairman; Dr. J. T. Axtell, Newton; J. W. Creech, Herington, Sheep—E. D. King, Burlington, chairman; E. W. Melville, Eudora; E. S. Kirkpatrick, Wellsville.

Angora Goats—N. A. Gwin, Lawrence, chairman; Dranke Spencer, Kickapoo; R. C. Johnson, Lawrence.

H. A. Heath, Topeka, secretary of the committee.

This committee and Superintendent Heath recently met with the Kansas Commission at the Kansas Building at St. Louis, and closed up the affairs and distributed the \$10,000 appropriated

## 1904 November 1904

Sun	Mon	Tue	Wed	Thu	Fri	Sat
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

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for the live-stock display, and Mr. Heath is now preparing a complete report on live stock for the Kansas Commission, which will be made a part of their full report on Kansas at the World's Fair.

Never before has Kansas made such an extensive and creditable display of pure-bred stock as was made at the Universal Exposition at St. Louis this year. Kansas not only furnished the chief of the live-stock department, Hon. F. D. Coburn, but did her full duty in making a magnificent showing of fine horses, cattle, swine, poultry, Angoras and sheep.

#### KANSAS EXHIBITORS.

The list of Kansas breeders who entered into competition with the world was as follows:

Percheron Horses—J. W. & J. C. Robison, Towanda; Henry Avery & Son, Wakefield. Standard-bred horses—C. H. Samson, J. W. Bell, Topeka; J. E. Shinn, Ottawa. Shorthorn cattle—T. K. Tomson & Sons, Dover; J. F. Stodder, Burden. Hereford cattle—Mrs. C. S. Cross, Emporia; Steele Bros., Richland; Jas. Condell, Eldorado. Red Polled cattle—Wilkie Blair, Girard; Geo. Groenmiller & Son, Pomona. Holstein-Friesian cattle—C. F. Stone, Peabody. Aberdeen-Angus cattle—Parrish & Miller, Hudson. Poland-China swine—Winn & Mastin, Mastin; John D. Marshall, Walton; W. R. Peacock, Sedgwick; Harry E. Lunt, Burden. Berkshire swine—E. D. King, Burlington. Chester White swine—Alvey Bros., Argentine; J. F. Given, Waverly. Duroc-Jersey swine—John O. Hunt, Marysville. Tamworth swine—C. W. Freelove, Clyde. Angora goats—N. A. Gwin, Lawrence. Rambouillet sheep—E. D. King, Burlington. Fine poultry—O. E. Skinner, Columbus; Mr. & Mrs. A. Flemming, Osawkie; W. A. Doolittle, Sabetha; W. R. Fretz, Sabetha; Mitchell Bros., Valley Falls; H. W. Chestnut, Birmingham; J. D. Martin, Salina; Dr. J. Martin, Wichita; N. M. Odell, Wichita; A. J. Waddell, Wichita; Jennie E. Warren, Cottonwood Falls; R. L. Castleberry, Sherman; Mrs. Fay Finkle, Galva.

The number of fine stock were: 13 Percheron and 5 Standard-bred horses; 22 Shorthorn, 24 Hereford, 14 Aberdeen-Angus, 16 Holstein-Friesian and 25 Red Polled cattle; 84 Poland-China, 20 Berkshire, 4 Duroc-Jersey, 12 Chester White, and 18 Tamworth swine; 14 Angoras and 4 Rambouillet sheep.

#### DISTRIBUTION OF KANSAS MONEY.

The State made a general appropriation of \$175,000 and a fund of \$10,000 was set apart by the Kansas Commission to defray the expense of the live-stock display. After first duplicating the regular World's Fair prizes, and defraying the necessary expenses of the superintendent and committee, the remainder was distributed among the exhibitors to cover their expenses. A summary of the disbursements is as follows:

The expenses of superintendent, live-stock committee, poultry exhibits, preparation of State reports, etc.....	\$ 1,042.00
To exhibitors—	
J. W. & J. C. Robison.....	1,237.00
Henry Avery & Son.....	655.00
C. H. Samson.....	118.00
J. E. Shinn.....	40.00
T. K. Tomson & Son.....	370.00
J. F. Stodder.....	370.00
Steele Bros.....	647.00
Mrs. C. S. Cross.....	424.00

Jos. Condell.....	58.00
Parrish & Miller.....	506.00
C. F. Stone.....	750.00
Wilkie Blair.....	550.00
Geo. Groenmiller.....	514.00
John D. Marshall.....	275.00
W. R. Peacock.....	185.00
Harry E. Lunt.....	305.00
E. D. King.....	520.00
John O. Hunt.....	120.00
Alvey Bros.....	230.00
J. F. Given.....	76.00
C. W. Freelove.....	588.00
N. A. Gwin.....	419.00
Total.....	\$10,000.00

In addition to the Kansas money as shown above, the Kansas exhibitors won World's Fair cash prizes amounting to \$5,338. Two Kansas breeders, J. W. Bell, of Topeka, and Winn & Mastin, of Mastin, Kans., having a location in Missouri as well, entered for the Missouri State money-prizes, and were therefore barred from sharing in the Kansas live-stock fund. Mr. Bell won four regular World's Fair prizes on Standard-bred horses, amounting to \$150, while Winn & Mastin won the bulk of the first prizes as well as the premier championship for herd and grand championship for best male and best female on their Poland-Chinas. Their cash prizes alone amounted to \$2,050.

The National Pedigree Associations for pure-bred cattle and swine also offered a large number of cash prizes for breeders exhibiting stock recorded in their herd books. The American Percheron Horse Breeders' and Importers' Association, the Percheron Registry Company, the National French Draft-Horse Association, and the Societe Hippique Percheronne de France offered a large amount in cash, gold, silver and bronze medals, to exhibitors as special prizes, of which Kansas exhibitors won more than the breeders from any other State, with the exception of the firm of importers, McLaughlin Brothers, of Kansas City, Columbus, and St. Paul. J. W. & J. S. Robison won in specials five medals, one gold, two silver, and two bronze medals, valued at \$400. Also a diploma for best herd of Percherons shown from Kansas. Henry Avery & Son, Wakefield, received one gold medal for best pair of Percheron mares.

Kansas Hereford breeders were big winners in specials. Steele Brothers, of Richland, won seven cash prizes offered by the American Hereford Breeders' Association, aggregating \$205; Mrs. C. S. Cross, of Emporia, won five American Hereford Association specials amounting to \$140, also two diplomas for reserve champions. J. F. Stodder, Burden, won eight special cash prizes offered by the American Shorthorn Breeders' Association, amounting to \$135; T. K. Tomson & Son, Dover, won two American Short-

horn special prizes of \$20; Parrish & Miller, Hudson, won American Aberdeen-Angus Association specials to the amount of \$40 in cash; C. F. Stone, Peabody, won seven cash prizes offered by the Holstein-Friesian Register, aggregating \$130; Wilkie Blair, Girard, won six cash prizes offered by the American Red Polled Cattle Club, aggregating \$60; Geo. Groenmiller & Son, Pomona, won three American Red Polled cattle special prizes amounting to \$30. Alvey Bros., Argentine, won six special cash prizes offered by the O. I. C. Registry Association, total \$74; J. F. Given, Waverly, secured one O. I. C. Registry Association prize of \$6; J. O. Hunt, Marysville, won three cash prizes offered by the National Duroc-Jersey Association, aggregating \$35; E. D. King, Burlington, took one American Berkshire Association special prize of \$20.

In summarizing the honors won for the State by Kansas breeders, it is very gratifying to note the fact that in comparison to the number of animals shown, no other State made such a brilliant record, and with the exception of Missouri, which had a \$100,000 live-stock appropriation, Kansas leads the other States. This places her in the very front rank for fine stock.

Kansas breeders, who fought the battle of the breeds in open competition with the best pure-bred stock in the world, in the greatest live-stock show ever held on earth, won in the aggregate two gold medals, two silver medals, three diplomas, and in cash prizes \$5,338 in the World's Fair regular classification, \$895 in special prizes, which, with the Kansas live-stock fund, makes a total cash sum of \$16,233. Such is the record made by Kansas fine stock at the World's Fair at St. Louis in 1904.

#### Mr. H. N. Holdeman.

Mr. H. N. Holdeman, of Girard, Kans., was born in Wooster, Ohio, December 27, 1854; was raised on a farm where his father early taught him to be accurate in the feeding and handling of his live stock, though he only kept good high-grade stock.

In 1878 Mr. Holdeman moved on to a farm of his own near Congress, Ohio, on which he farmed and raised stock, dealing principally in sheep and horses. In 1885 he sold the farm and bought and shipped calves to Carthage, Mo., and sold them at a good profit. Being well pleased with the country, and not liking the long, cold winters of Northern Ohio, he concluded to move with his family to Missouri. Finding here much inquiry for grade Holstein calves, he returned to

Ohio, and bought one hundred and ten head of grade Holstein calves and yearlings, and shipped them to Carthage, Mo.

In 1885 he bought a farm of one hundred and forty acres near Carthage, and sold all his Holsteins but about thirty head. Mr. Holdeman now realized that in buying the cattle in Lorain and Medina Counties, Ohio, he had hitherto been breeding the wrong breed of cattle, namely, Short-horn. This was also proved to him on looking at the mature Holstein cows owned by such men as Mr. C. W. Horr, Mr. Phelon, and others, and he was easily converted to the fact that the Holsteins were the true dairy cows, and were also hard to beat for beef. With this in mind, in the spring of 1886 he went to Kansas City and purchased two registered yearling Holsteins, a heifer and a bull. They were from the herd of Mr. Buckingham, of Cleveland, Ohio.

He took these home, and bred the grade heifers to the bull, and in the fall of the same year made a sale and disposed of the heifers, except three or four of the choicest ones. In 1887 Mr. Holdeman went to Aurora, Ill., and from the herd of George E. Brown selected a cow and a 2-year-old heifer. The bull, weighing over 1,300 pounds at the age of 18 months, proved a magnificent breeder. The cow Kero gave 14,000 pounds of milk in one year on common feed, testing 4.4 pounds butter-fat.

The heifer, Nettie Langspeen, has never been defeated in the show ring since owned by him, and she is now giving twenty-five pounds of milk daily and has been milking eight months.

In the same year, 1887, the neighboring farmers concluded that they wanted a creamery built at Carthage, and erected one at the cost of \$8,000, of which Mr. Holdeman took two shares, and was selected to act as secretary and manager. After starting, some of the patrons, especially the Jersey men, said they could not afford to sell their rich milk for the same price Mr. Holdeman was getting for his "blue Holstein" milk.

Mr. Holdeman had in the meantime traded for another herd of registered cows, and was sending a big lot of the "blue milk" to the creamery. The creamery patrons then purchased a Babcock test, and the butter-maker was instructed to test the "blue Holstein milk," but, to their great surprise, they found the "blue milk" was second to none, testing as high as five per cent fat.

In 1892 Mr. Holdeman made a sale on his farm, disposing of forty head of registered and grade cows and heifers. The registered cattle averaged \$83. His present herd is not a large one, but of excellent quality, consisting of such strains as Josephines, De Kols, Mechthilde, Parthena. The milk is at present sold on the retail market in Carthage for ten cents per gallon at the door.

Mr. Holdeman finds the Holsteins very gentle and docile cattle, giving plenty of good milk, and he does not have to feed them twelve months to get milk six months of the time. The calves are large and strong, easily trained to drink out of a bucket, and grow faster and larger than those of other breeds. They give more milk, which makes more butter and cheese, than any other breed which he has milked, including Shorthorns and Jerseys, of which latter he thinks that, if he had them to keep, he would have to do so at a loss, and thus concludes that the breed of cattle that an enterprising farmer should keep is one that excels in the product of milk, butter, cheese, and beef, and which he states is most certainly the large black-and-white sort, called Holstein-Friesian.—Holstein-Friesian Register.

**Dan Patch Beats His World's Record.**

Dan Patch, who is rapidly making history in the light-harness-horse field, added one more laurel which unquestionably distinguishes him as the champion harness horse of the world, when he broke the half-mile track record at Oklahoma City, Thursday, November 17, by making the mile in 2:03. The time by quarters was 30 $\frac{1}{2}$ , 1:00 $\frac{1}{2}$ , and 2:03. This is the fastest mile ever done on a half-mile track by a trotter or pacer. The record up to Thursday was 2:03 $\frac{1}{2}$ , which

Dan himself established a year ago at Birmingham, Alabama.

Dan will give another of his wonderful speed exhibitions at Dallas, Texas, on Thanksgiving Day, when his racing exhibitions will practically be at a close for the season of 1904.

Future generations will honor Dan Patch as one of the greatest race-horses and sires that has ever lived, as his colts are extremely speedy and contain the qualities that are necessary to a successful race-horse.

Dan Patch is owned by the International Stock Food Company, Minneapolis, Minn., whose stock food is also a world beater.

**Premier Poland-China Sale.**

When it was publicly announced that Winn & Mastin, owners of the Oakwood Farms, Mastin, Kans., would hold a public sale on Wednesday, November 16, the Poland-China breeding fraternity were interested as never before, because of the World's Fair show record by this firm, which was the greatest achievement of any Poland-China breeder on earth. Breeders who had kept in close touch with the line of breeding that produced the greatest prize-winners ever known to the breed were eager for the opportunity to secure animals of this breeding for their own herds, such as were catalogued in this sale.

On Wednesday morning, a special train left Kansas City for Oakwood Farm, carrying the most representative and en-

this boar, one, Sir Darkness, sold for \$165 to Gus Aaron, Leavenworth, Kans.; another, Lord Darkness, sold for \$150 to W. B. Buckner, Bowie, Texas. The sale in detail was as follows:

**BOAR SALES.**

Prince Darkness, Leon Calhoun, Potter.....	\$275.00
Lord Darkness, W. B. Bowie, Bowie, Texas.....	150.00
Sir Darkness, Gus Aaron, Leavenworth.....	165.00
Irish Lad, W. S. Hanna, Pomona.....	60.00
Charmer, Mr. Pohlman.....	55.00
Goldfinder, U. S. Ison, Butler, Mo.....	85.00
Chief Corrector, A. Reynolds, Eldorado.....	50.00
Perfect Corrector, F. O. Chesney, Kansas City, Mo.....	40.00
Meddlesome, W. H. Davis.....	150.00
Trouble Maker, C. E. Hedges, Garden City, Mo.....	85.00
Handspring, J. R. Eblen, Massena, Iowa.....	260.00
Mischievous Lad, M. Patterson, Blue Rapids.....	19.00
Plaudit, W. S. Hanna, Pomona.....	40.00
Sam Corrector, Frank Walgamuth, Elgin, Ill.....	50.00
Cecil Hoag & Zimmerman, Centerville.....	21.00
Perfect Mischief, W. B. Van Horn, Lone Star.....	30.00
The Picket, John Bollin, Leavenworth.....	201.00
King's Trophy, J. H. Feden.....	70.00
Receiver, E. R. Pelle, Lees Summit, Mo.....	20.00



MEDDLER, the grand champion Poland-China boar and the banner awarded to Winn & Mastin for grand premier herd of Poland-Chinas at the World's Fair.

terprising lot of breeders that ever attended a public sale of Poland-Chinas, a fact that was most gratifying as a tribute of respect and a testimonial of merit to Winn & Mastin, Mastin, the owners of the largest and most famous herd of Poland-Chinas in the world, a great compliment which Winn & Mastin generously acknowledged.

The only great disappointment of the day was the failure of the auctioneers, Colonels Correll and McCracken, of Illinois, and the clerk to arrive in time to conduct so important a sale, so that it became necessary for one of the buyers from Illinois, Mr. Prettyman, who volunteered to act as salesman for the day, and sold about forty head, when the auctioneers and clerks arrived, having been delayed on their trip from Illinois by a wreck on the Chicago and Alton Railroad. Under the circumstances the prices realized are exceptionally good, although a much higher average would have been obtained, could the auctioneers have been present with bids which they had with them. As it was there were a large number of bids from breeders who could not be present, which materially helped matters, so that forty-nine Poland-Chinas sold for \$3,939.50, a general average of \$80.40. Twenty-four boars sold for \$2,062, an average of \$85.91. Twenty-five sows and gilts sold for \$1,877.50, an average of \$75.10.

The top price of the sale was \$275, paid for Prince Darkness, a son of Chief Perfection 2d 21701, and out of Darkness 122728, which went to the herd of Leon Calhoun, Potter, Atchison County, Kansas. On the arrival of the auctioneer, he announced that if the owner would put this animal back in the ring, he would offer \$50 advance as a first bid, but Mr. Calhoun was satisfied to keep him, as he had come to the sale expressly for this animal. Mr. Calhoun could probably have taken a profit of \$125 for his day's work if he had so desired. Two litter brothers of

Boar by Chief Perfection 2d, R. E. Moffett, Pattonville, Mo.....	50.00
Boar by Chief Perfection 2d, W. H. Green, Blue Mound, Ill.....	35.00
Junior Mischief, G. Dyck, Whitewater, Kans.....	26.00
Patriarch, W. D. Van Horn.....	35.00
Mischief Junior, W. A. Davidson, Simpson.....	70.00

**GILT AND SOW SALE.**

Lady Darkness, F. O. Chesney, Kansas City, Mo.....	120.00
Beauty Corrector, C. F. Sutor, Pekin, Ill.....	40.00
Meddler's Sister, W. B. Buckner, Bowie, Texas.....	75.00
Mischievous Hazel, R. E. Moffett.....	77.50
Mischievous Louise, A. Frazier, Adrian, Mo.....	97.50
May Corrector, A. Glenn, Chicago, Ill.....	105.00
Mischief's Maid, A. Glenn.....	85.00
Belle Corrector, U. S. Ison.....	91.00
M. M's Pet, M. S. Babcock, Nortonville.....	60.00
St. Cecelia, T. P. Shehee, Hume, Mo.....	90.00
Sweet Violet, Gus Aaron.....	78.00
Faithless Maud, A. Glenn.....	75.00
Proud Patricia, Jack & Son, Judson, Iowa.....	35.00
Corrector's Equal, Gus Aaron.....	36.00
Miss Corrector, J. A. Harrison, Stewartsville, Mo.....	40.00
Highfly, Hoag & Zimmerman.....	81.00
Water Queen, Dietrich & Spaulding, Richmond.....	52.50
Della, M. S. Babcock.....	140.00
Gilt by Chief Perfection 2d, U. S. Ison.....	55.00
Gilt by Chief Perfection 2d, M. S. Babcock.....	102.00
Miss Mischief, M. O. Chesney.....	76.00
Twilight Maid, C. G. Mills, Pleasant Hill, Mo.....	62.50
Mischief's Best, Jack & Son.....	52.50
Corrector Lady, M. S. Babcock.....	55.00
Queen's Trophy, Jack & Son.....	76.00

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Time Tested. Stands Alone.

After Many Years

It gives us more than usual satisfaction that after all these years of most rigid test, and always under conditions beyond our control,

**Kendall's SPAVIN CURE**

continues to be held in highest esteem by breeders, trainers and horsemen all over the world. Wherever it is known it is acknowledged as the one infallible remedy for Spavins, Ringbones, Curbs, Splints and all forms of lameness.

CURED 11 CASES IN TEN YEARS.

Superior, Mont., Feb. 24, 1904.  
Dr. B. J. Kendall Co., Enosburg Falls, Vt.  
Gentlemen—Please send me a copy of your "Treatise on the Horse and his Diseases." I have used your Kendall's Spavin Cure for ten years and will say it is the best Spavin Cure made. Just cured a spavin on my horse with it. I have cured 11 spavins in ten years with Kendall's Spavin Cure. Yours truly,  
MIKE RILEY.

For sale by all druggists. Price \$1; six for \$5. As a liniment for family use it has no equal. Ask your druggist for Kendall's Spavin Cure, also "A Treatise on the Horse," the book free, or address

DR. B. J. KENDALL CO., Enosburg Falls, Vt.



**CARE of HOGS**

A new illustrated book on how to keep hogs free from LICE, WORMS and SCURVY, PROTECT FROM DISEASE and bring to early maturity at small cost. Contains illustration of hog-dipping plant and many suggestions of value. MAILED FREE on request. WRITE FOR IT TO-DAY. Address MOORE C. & M. CO. 1501 Genesee St. Kansas City, Mo.

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Know it by the lump and the limp—a hard, bony growth on the inner side of the hock joint, usually low down and a little forward of the center of the leg—a quick hitch with the sound leg, and a stiff movement of the lame leg, bearing the weight on the toe, most noticeable in starting.

New cases, old and bad cases, the very worst cases, cases where firing has failed, are cured by

**Fleming's Spavin and Ringbone Paste**

Guaranteed to cure the lameness for good—may or may not take off the lump. Easily used by anybody, and a single 45-minute application usually does the work—occasionally two required. Write for Free Horse Book before ordering. It gives all the particulars, and tells you what to do for other kinds of blemishes.

FLEMING BROS., Chemists, 312 Union Stock Yards, Chicago, Ill.

**PINK EYE CURE FOR HORSES AND CATTLE.**

Sure-relief for Pink Eye, foreign irritating substances, clears the eyes of Horses and Cattle when quite milky. Sent to responsible stockmen on 30 days trial, or sent prepaid for the price, \$1.00.

Address orders to W. O. THURSTON, Eldorado, Kansas.

**LUMP JAW No Cure No Pay.**

W. S. Sneed, Sedalia, Mo., cured four steers of lump jaw with one application to each steer and J. A. Keeseman, Osborn, Mo., cured three cases with one application to each. Hundreds of similar testimonials on hand. Full particulars by mail. Write to CHARLES E. BARTLETT, Columbus, Kansas.

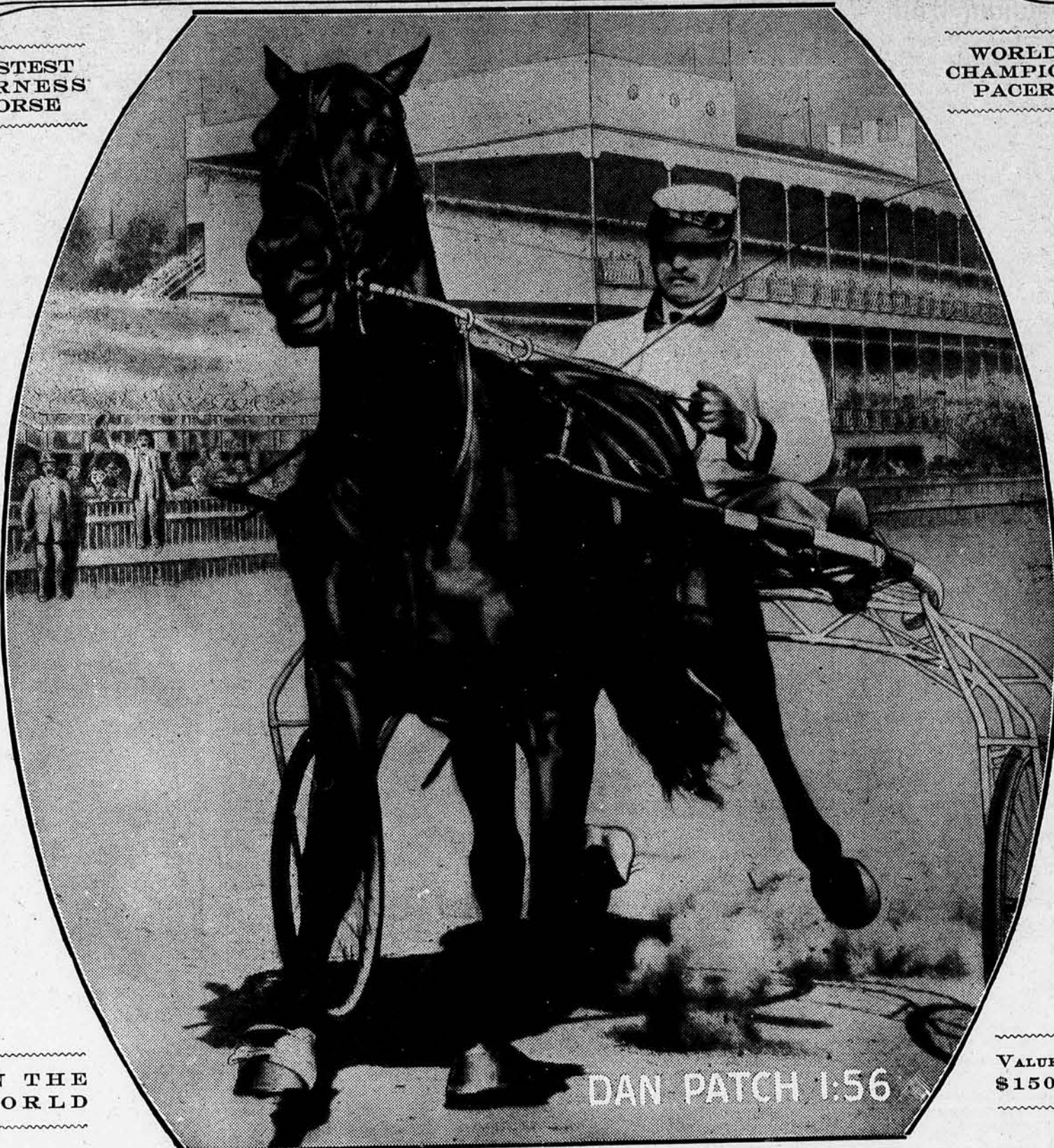
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For general use on live stock. Send for "Piggies' Troubles" and "Zenoleum Veterinary Advisor" and learn its uses and what prominent stockmen say about it. Books mailed free. All druggists, or one gal., exp. paid, \$1.50; 5 gal., freight paid, \$6.25. ZENNER DISINFECTANT CO., 61 Bates St., Detroit, Mich.

FASTEST  
HARNESSES  
HORSE

WORLD  
CHAMPION  
PACER



IN THE  
WORLD

DAN PATCH 1:56

VALUED AT  
\$150,000

BEAUTIFUL COLORED PICTURE OF DAN PATCH MAILED FREE

PRINTED IN SIX BRILLIANT COLORS. SIZE 24 BY 34 INCHES.

The picture we will send you is a large reproduction of the above engraving, in six colors, and is made from a photograph taken of Dan while he was going at his highest rate of speed. It is one of the finest motion photographs ever taken and is as natural and life like as if you actually saw Dan coming down the track. This picture shows Dan flying through the air with every foot off of the ground. The picture we will mail you is entirely free of advertising and makes a very fine horse picture for framing.

MAILED FREE WITH POSTAGE PREPAID

IF YOU WRITE TO US AND ANSWER THESE 2 QUESTIONS:  
1ST—HOW MUCH STOCK OF ALL KINDS DO YOU OWN? 2ND—WHERE DID YOU SEE THIS OFFER?

Address Owners at once **INTERNATIONAL STOCK FOOD CO., MINNEAPOLIS, MINN.**

WHAT RESTORED DAN PATCH IN SIX WEEKS?

DAN PATCH GIVEN UP TO DIE.

Office of THE KANSAS CITY VETERINARY COLLEGE  
1330-36 East 15th Street

Robert C. Moore, D. V. S., President. Henry O. Babcock, M. D., D. V. S., V.-Pres.  
Benjamin F. Knapp, D. V. S., V.-Pres. Sescio Stewart, M. D., D. V. M., Secy. & Treas., and Dean of Faculty.

M. M. Savage, Minneapolis, Minn.  
Dear Sir: I first saw your horse, Dan Patch, about 10:30 a. m., Sept. 13, 1904. He was suffering severe pain in the abdominal regions, caused by impaction of the bowels probably caused by eating oat chaff. His pulse rate was 72 per minute and his temperature 103. The character of the pulse was weak. The conditions gradually grew worse during the afternoon until about 4 p. m. the pulse rate had reached more than 100 and his temperature was 105. The heart grew so feeble that the pulse could not be taken at the jaw and the rate could only be determined by listening to the heart beats. A cold perspiration covered the entire body much of the time and the pain was almost continuous. The visible mucous membranes were highly injected, which with the high temperature showed undoubted evidence of the inflammatory condition existing in the abdominal cavity. At this time owing to the inflammatory condition and the extreme weak heart, the prognosis was very unfavorable. From 4 to 6 p. m. I had little or no hope of his recovery. About 7 p. m. a slight improvement was noticeable and his condition gradually improved.  
Very truly yours,  
R. C. MOORE, D. V. S.  
Veterinarians in attendance,  
R. C. Moore, Pritchard & Kniesley.

HIS WONDERFUL RECOVERY.

In four days from the time he was given up to die by three high-class Veterinary Surgeons, we shipped Dan Patch from Topeka to our "International Stock Food Farm" at Savage, Minn., and commenced feeding him three times the usual quantity of "International Stock Food" and giving it to him four times per day. He recovered his strength very rapidly and in 8 weeks from the first day of his sickness he paced a mile at Springfield, Ill., in 2:04. This was in the face of a cold wind and over a track that was not in shape for extremely fast miles. Dan was shipped from Springfield to Memphis and in 6 weeks from the date of his sickness he astonished the world by pacing a mile in 1:56 without a wind shield. "International Stock Food" is a remarkable vegetable preparation to give permanent strength to the entire system as well as being a great aid to digestion and assimilation. It is used and endorsed by a majority of the great trainers and is in constant use on most horse breeding farms.

Dan Patch has been fed "International Stock Food" every day since we bought him two years ago for \$50,000. Since that time Dan has broken 7 world's records and has been extra strong and vigorous. Owing to his great constitutional strength he was able to withstand his severe sickness. You could not ask better proof of the superior merits of "International Stock Food" which you can feed at a cost of **3 Feeds for One Cent.**

MONROE SALISBURY  
REPORTS.

YONKERS, N. Y.  
M. W. Savage.  
Dear Sir:—I am sure that your "International Stock Food" helped me a great deal in keeping Consuella S. and Judge Green strong, both sired by your stallion Directum 2:04 1/4. I think Consuella S. can trot in 2:35 and Judge Green can beat her. Have you any Directum colts to sell or lease?  
Very glad to hear that Dan Patch has entirely recovered.  
Very truly yours,  
MONROE SALISBURY.

"International Stock Food" is equally good for Stallions, Brood Mares, Colts, Race Horses, Work Horses, Carriage Horses, Show Horses and All Other Kinds Of Stock. We feed it constantly to our Stallions. Dan Patch 1:56—Directum 2:05 1/4—Roy Wilkes 2:06 1/4 and to all of our Brood Mares, Colts, etc. It Aids Digestion and Assimilation, Purifies the Blood, Stimulates and Strengthens the Entire System and Saves 3 Quarts of Oats Per Day in the feed of every horse. Write us for further information. All correspondence answered promptly. Address **INTERNATIONAL STOCK FOOD CO., MINNEAPOLIS, MINN., U. S. A.** ALSO.....TORONTO, CANADA.

Largest Stock Food Factory in the World.  
Capital Paid in \$2,000,000.

## The Young Folks

CONDUCTED BY RUTH COWGILL.

### A Thanksgiving Argument.

The old wife sat in the chimney place  
Talking of days gone by  
To the small granddaughter close at her  
knee,  
Eager and bright of eye.

"And only think," she finished, "dear,  
That sad Thanksgiving morn  
All that the Pilgrims had to eat  
Was, each one, five grains of corn."

Out from his corner grandfather  
Put in a quavering word:  
"Your wrong, Priscilla Ann, you're  
wrong,  
'Twas six, I've always heard."

"Pshaw, father, you've forgotten it.  
No, child, 'twas only five."  
"Priscilla Ann, I say 'twas six.  
As sure as you're alive!"

"'Twa'n't six!" "'Twas, too!" "Why,  
father!" "Well,  
I ain't so old, I guess,  
But what I know 'twas six!" "Oh, land,  
What silly foolishness!"

"Priscilla Ann!" "Yes, father!" "Six!"  
The small granddaughter stared.  
Then, crying, ran away. "There, now,  
You've got the poor lamb scared!"  
"I hain't!" "You have!" Here was be-  
gun

A very pretty quarrel,  
But that their daughter came in haste  
To hear and point a moral.

"Why, father! mother! quarreling,  
And on Thanksgiving Day!  
And all about a grain of corn!  
That's foolish, don't you say?"

The old folks looked abashed. "'Twas  
six!"  
"'Twas five!" "Why, no, 'twas four!"  
And then it really looked as though  
'Twould all begin once more.

Till grandma, gulping down her wrath,  
Said, "Well, they hadn't many;  
But, sakes alive! if they hadn't five,  
I'm thankful they had any."

—Florence E. Pratt.

### A Special Course in Thanksgiving.

It did seem hard to feel very thank-  
ful, left at the little station twenty  
miles from the college and twenty  
miles from home. The worst part of  
it was that there was no one for Chris-  
tine Gray to blame for it all. She  
might have been at home instead of  
being here, but she had chosen to stay  
at the college for a Thanksgiving re-  
ception, thinking to reach home in  
time for the family dinner by taking  
the mixed train that carried both  
freight and passengers by a shorter  
route than the one she usually trav-  
eled.

She had been the only passenger  
when the dilapidated old engine had  
broken down, a mile up the road. Then  
she had walked to the village, while  
the trainmen had gone back to the  
nearest telegraph-station to send for  
another engine.

They could not hope to go on for  
several hours, and Christine stood by  
the window of the country store that  
served as a railway-station, looking  
disconsolately out upon the long  
stretch of muddy road, bordered on  
either side by old, unpainted houses.

If there had ever been any beauty  
in the little village it had vanished  
when the drear November wind and  
rain had beaten the leaves from the  
trees and vines that had kindly hid-  
den the defects. And now the barren  
ugliness did not make a pleasing view.

The view inside had been even less  
pleasing, however. The genial store-  
keeper had offered her a backless  
chair near the stove, but every avail-  
able box and barrel had been occupied  
by loafers, who stopped squirting to-  
bacco-juice at the rusty stove to stare  
at her, until she rose and took her  
stand by the window.

Christine's usually sunny tempera-  
ment was shrouded in gloom, and she  
was thinking bitterly that Thanksgiv-  
ing was all foolishness, after all. What  
was the use of celebrating it, and trav-  
eling miles just to eat dinner? She  
had not really cared to go home, when  
life was so gay at the college; and the  
football game, the event of the season,  
was to be played in the afternoon.

She wished that her mother had not  
written that pleading letter, making  
her feel that she could not refuse.  
Here she was, twenty miles from any-  
where, in a rude crowd; tired, hungry,  
and cross. A pretty state of mind for  
Thanksgiving day! Christine did not

feel that she had a single thing to be  
thankful for.

A gray-haired man came into the  
store and asked for his mail. The  
storekeeper, who was also postmaster,  
handed out a letter, which the man  
grasped eagerly. He turned to leave  
the store, and glanced curiously at  
Christine. Going back, he talked in  
a low tone with the storekeeper for a  
moment.

They were talking about her, Chris-  
tine felt sure, for she caught the sen-  
tence, "Engine broke down, an' she's  
got to wait until another comes along."  
The man passed her again with a cur-  
ious glance, and Christine's face  
flushed at the supposed rudeness.

The loafers were going home to  
their dinners. Glancing at her watch,  
Christine saw that it was after eleven  
o'clock. Soon she would have to pur-  
chase the lunch which the storekeeper  
had assured her some time before that  
he could furnish, and the thought of  
the crackers, cheese, and dried beef,  
saturated with the atmosphere of the  
store, made her feel faint.

The gray-haired man was coming  
back up the road, carrying a package,  
and Christine wondered impatiently  
if there was no escape from his gaze.  
When he entered the store he came  
directly to her, saying heartily, "Moth-  
er sent me right back after you. You'll  
have plenty of time to go over and eat  
your dinner before the train gets here.  
It's pretty muddy, and I saw you didn't  
have any overshoes, so I brought moth-  
er's along. They'll be too big, but I'll  
tie 'em on."

Christine stammered out her thanks  
for the invitation, feeling that any  
change would be a relief from the at-  
mosphere of the store, and put out her  
foot for the man, who was kneeling,  
ready to tie on the shoes. It was well  
that the overshoes were large, for her  
shoes, with their thick soles, almost  
filled them.

The man tied them carefully.  
"Now we can make it all right," he  
said. "Come on!"

She followed down the muddy road,  
splashing along, almost to the top of  
the overshoes, until they came to the  
last house in the row.

The house was no better than its  
neighbors, but Christine looked up  
with pleasure, for a woman stood in  
the doorway, with a smiling welcome  
on her plain face.

"I'm so glad you came!" she said  
cordially, while the overshoes were  
being untied. "We were so lonesome  
without Faith, and it will seem almost  
as if she had come, to have a girl at  
the table with us. Faith is our daugh-  
ter," she explained, while Christine  
was removing her wraps. "She's away  
out in Colorado for her health, and we  
miss her so; but we're so thankful  
that she can live, even there."

Christine looked about the quaint  
sitting-room, and found herself wonder-  
ing how any one could feel very  
thankful who lived in such a place.  
But the house, with its scanty furni-  
ture, was clean, and the unexpected  
kindness had restored Christine's good  
temper, so she entered into the spirit  
of the occasion, and was so sweet and  
friendly that the two old people fairly  
beamed with delight.

The woman bustled about the kit-  
chen for a time, and then called them  
out to dinner. To be sure, the dining-  
room was only one end of the tiny kit-  
chen, the clean white table-cloth was  
coarse and the dishes were common;  
but when the gray-haired man took his  
Bible and read a psalm of thanksgiv-  
ing, Christine forgot all this.

The repetition of the sentence, "For  
his mercy endureth forever," read in  
a reverent tone, made their grateful  
worship seem very earnest to her.  
Then he offered thanks for the plain  
little home, for the dear daughter who  
was so far away, for the frugal meal,  
and for the privilege given them of  
sharing it with the young stranger.

Christine's eyes were dim when she  
raised her head to join in the Thanksgiv-  
ing meal, and she determined to be  
worthy of the kindness and respect  
they had shown her.

After the dinner, when they were  
sitting round the cheerful little grate  
fire, they told her the story of Faith;  
how they had worked and saved to

send her through school at home, then  
through the high school in the next  
town; of her bright prospects as a  
teacher in the little home village; how  
she had saved her money for a college  
course; then how her health had  
failed, and the doctors had ordered her  
to Colorado as a last resort. She had  
taken the long trip alone, for the mon-  
ey would all be needed to keep her  
there.

The months had been so long with-  
out her! But her letters told of gradu-  
ally returning health, and if she  
could not return to her home, it was  
still a blessed privilege to have such a  
daughter, even so far away, and they  
felt that God had been good to them  
in sparing her life.

"Maybe she'd like to hear Faith's  
letter, the one we got this morning,"  
the gray-haired man suggested. And  
when Christine assured them that she  
would like it, the mother, adjusting  
her spectacles, read the letter aloud.  
It was bright and cheerful throughout,  
and at its close Faith said:

"I want you to celebrate Thanksgiv-  
ing just as usual, for we have so much  
to be thankful for. Put my plate on  
the table, and at noon I want father to  
read the one hundred and thirty-sixth  
psalm, for surely His mercy endureth  
forever toward us. I shall know how  
the table looks, and I can hear father  
reading, across all the miles that lie  
between us. It seems sometimes that  
people are losing sight of the true  
meaning of Thanksgiving. From the  
newspapers one would think that it  
meant only turkey dinners and foot-  
ball." Christine winced over this.  
"But we know what it means, don't  
we? How can people be ungrateful  
who are able to lift up their voices  
to Him, Whose mercy endureth for-  
ever?"

Just as the mother finished reading  
the letter a shrill whistle in the dis-  
tance announced the coming train.

Christine tried to thank her new-  
found friends for their kindness, but  
the mother said:

"You have been a blessing to two  
lonesome old people. I'll write to  
Faith about you. It'll do her good."

"I will write to her, too," Christine  
said. "I want to tell her about my  
visit."

Then she added, as she stooped to  
kiss the mother's worn face, "You  
have helped me more than I could  
possibly have helped you."

After waving a cheery good-by from  
the car window, Christine settled back  
in her seat for the tedious trip, but  
her thoughts were pleasant ones.

At dusk of Thanksgiving Day the  
wheezy old engine, after many side-  
trackings and unloadings of freight  
along the way, pulled into the station  
where Christine's father and mother  
were waiting.

She hugged and kissed them raptur-  
ously; and when her mother said, "We  
must hurry home, now; dinner is wait-  
ing. We could not eat it without you,  
dear," she gave her mother another  
kiss, out of sheer gladness that she  
meant as much to her parents as did  
Faith to the parents who had been  
compelled to eat dinner at Thanksgiv-  
ing without her.

When they had reached home Chris-  
tine looked about her at the beautiful  
rooms with their comfortable furnish-  
ings, and drew a long breath of de-  
light.

She was so bright and winsome that  
the father and mother watched her  
with glad, loving eyes, and the father  
wondered a little when his daughter,  
usually a little indifferent about such  
things, brought the Bible to him at  
bedtime and asked him to read aloud  
the one hundred and thirty-sixth  
psalm.

In the little good-night talk the  
mother said, "I'm so thankful that my  
girl seems glad to be at home. We  
felt a little hurt over your letter. It  
seemed that you did not care much  
for the home-coming, and we won-  
dered if the college was weaning you  
away from us. But I know now that  
you were just hurried in writing it,  
and we are so thankful that you do  
care for home just the same! It has  
seemed to me to-day that you care  
more for it than ever before."

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Then, in the soft firelight in her  
own pretty room, with her head on  
her mother's knee, Christine told  
all about the ugly, selfish thoughts and  
the spirit of unthankfulness that had  
filled her heart. She told the story of  
Faith.

When she had finished she raised  
her head, saying merrily, in spite of  
the tears that were in her eyes:

"So you see, mother, dear, the rea-  
son that I am so unusually thankful  
is that I have been taking a special  
course in thanksgiving."—Lulu Linton,  
in *Youth's Companion*.

### Puritan Character and Influence.

Let us now go back to November  
10, A. D. 1620, when the "Mayflower,"  
hardly escaping from the shoals and  
breakers in her attempted passage to  
the Hudson, turns her course, and  
bears once more for the northern ex-  
tremity of the cape. The eloquent  
Edward Everett has thus drawn the  
picture: "Let us go up in imagination  
to yonder hill, and look out upon the  
November scene. That single dark  
speck just discernible through the per-  
spective glass on the waste of water,  
is the fated vessel. The storm moans  
through her tattered canvas, as she  
creeps, almost sinking, to her anchor-  
age in Provincetown harbor; and  
there she lies with all her treasures,  
not of silver and gold (for of these  
she has none), but of courage, of pa-  
tience, of zeal, of high spiritual dar-  
ing. So, often as I dwell in imagina-  
tion on this scene; when I consider  
the condition of the 'Mayflower,' utter-  
ly incapable as she was of living  
through another gale; when I survey  
the terrible front presented by our  
coast to the navigator, who, unac-  
quainted with its channels and road-  
steads, should approach it in the  
stormy season, I dare not call it a  
piece of good fortune that the general  
north and south wall of the shore of  
New England should be broken by this  
extraordinary projection of a cape,  
running out into the ocean a hundred  
miles, as if on purpose to receive and  
encircle the precious vessel. As I  
now see her freighted with the des-  
tinies of a continent, barely escaped  
from the perils of the deep, approach-  
ing the shore precisely where the  
broad sweep of this most remarkable  
headland presents almost the only  
point where, for hundreds of miles,  
she could with any ease have made a  
harbor, and this, perhaps, the very  
best on the seaboard, I feel my spirit  
raised above the sphere of mere nat-  
ural agencies. Yes, the everlasting  
God himself gathers the meek com-  
pany of his worshippers as in the hol-  
low of his hand."

These were the men, of all time, the  
best fitted by peculiar discipline for



just the work which the providence of God led them to accomplish. They had been taught the great principles of evangelical truth and of religious freedom, by just such conflicts as are necessary to separate the truth from old systems of abuse and error. By long-continued sufferings they had learned to prize these principles as dearer than their pleasant homes in England, and dearer even than life. As there was no place on the Eastern continent where these great principles might develop themselves, and show their beauty, and mature their fruits, the Lord brought this people, so prepared, into a new world.

O, what emotions often fill my soul, when, on the very soil on which the early fathers of New England trod, and looking abroad over the hills and waters on which they once looked, and while walking amid their graves, I think of the hand of God so clearly revealed, and of His great designs in bringing such a race of men to people the shores of this great continent! What other people on earth can point to such an ancestry as the people of New England?

Those who came over the ocean left not their superiors behind; nor has the splendor of their character, their talents, and their piety ever been eclipsed, either in Old England, or among the descendants of those to whom they ministered in the Western wilds. They laid the foundations of learning and religion well. New England, America, the world, has already reaped, and is still to reap in larger measures, the fruits of their sagacity, their piety, and their self-denying toil. Save for the principles which our Puritan fathers maintained at every hazard and every sacrifice, all these fair fruits of freedom and of religion would never have been.—Edwin Hall, in Bay View Magazine.

### For the Little Ones

#### An Awful Possibility.

Turkey! turkey! such a lot!  
Nen Puturnips, steamin' hot,  
An potatoes; stuffin', too,  
Celery, and dess a few  
Lamer beans—but 'ey was great!  
An' I ate, an' ate, an' ate.

Maw dess gave me everything!  
Firs' a drumstick, en' a wing;  
'Nen some dark meat, en' some white;  
Paw said 'at it wasn't right.  
I was feelin' des firs' rate,  
So I ate, an' ate, an' ate.

'Nen we had plum puddin', too,  
Maw she said I'd have to do  
Wif four slices; paw said, "My!!  
Hate to be you by an' by!"  
But 'at mince pie dess was great!  
An' I ate, an' ate, an' ate.

'Nen bimby I fell asleep,  
Firs' thing chased me was a sheep;  
'Nen a lion chased me, too!  
'Nen a tagger says, "Say, you!  
Des I'll start in wif your feet,  
L'l' boys is good to eat!"

'Nen a big, black snake it came,  
Says to me, "Say, what's your name?"  
Told him Tommy, snake says, "Oh!  
Dess I'll eat you awful slow!"  
'Nen I cried a drefful lot,  
Snake says, "Eat you, cry or not!"

'Nen I woke up an' I saw  
'Ere was maw and 'ere was paw;  
An' the doctor shook his head,  
'Indlejestum!" doctor said:  
"Get him all right by and by!"  
Oh! my tummy hurts—my, my!  
—Harper's.

#### A Queer Trio.

When Jane went out of doors after dinner she heard a mournful duet of mewing, and saw coming up the back walk two tiny kittens. They tottered unsteadily on their weak legs, holding their tails very straight and were crying with pink, wide-open mouths. In an instant Jane had gathered the waifs in her motherly arms, and adopted them then and there. This was not accomplished without opposition, for while her mother loved all but the most vagrant cats, her father did not, and he ordered their instant banishment.

"If you must have one," he said at length, relenting, "I will get it myself, a nice, proper cat."

But Jane was not deceived. She wanted the pair that some cruel person had tossed into the yard. She had large, dark eyes that easily filled with tears, and when she pleaded a cause

it was seldom in vain. So they stayed.

They were much too young to eat, and it was not easy to teach them to lap milk, but they learned at last and developed amazing appetites. They grew rapidly and were christened respectively, Bill Bailey and Annie Rooney. "Bill," as he was called in the home circle, was an ordinary grey cat striped with black. He was not at all handsome, but so affectionate and intelligent that he became a great pet. Annie was a maltese mixture, but she was born with a roving disposition, and after several escapades, ran off, at last, and never came back. They had learned to play together very prettily, and Bill mourned for her a good while. Then he consoled himself by cultivating the acquaintance of the neighbor's beautiful pet—Kitty Boy, whose handsome coat was of smoke grey, marked with black. Kitty Boy had made friendly overtures for some time, to which Bill did not respond, but at last he prevailed. From watching him at a safe distance, on the back fence, he was finally invited by Bill into the yard, and the friendship was sealed. They played together by the hour, running, rolling, biting and scratching, racing round and round the house like mad things. They particularly enjoyed the frolic late in the evening when the electric light was lighted. From the back yard Kitty Boy was by degrees introduced to the house, Bill no doubt explaining the family fondness for cats, and the petting he was sure to receive. It was more than realized, and Bill seemed delighted at his friend's social success.

But alas! his generosity was not rewarded as it should have been. Kitty Boy soon learned where Bill's breakfast was kept—in a pretty china saucer in the kitchen. He found, too, that there was always something in the saucer that a cat liked, for Jane saw to that—milk with cream left on it, nice bits of meat, or a fresh egg—knowledge of which both were to profit by later. The days passed with many a frolic. One morning Bill went out to meet his friend, waiting to hold him by the neck and wash his face—which was always the beginning of the daily romp. There was a great deal of soot and dust. Bill saw that Kitty did not know how he looked, and he took great pride in his friends' beauty—after his toilet was made. Kitty Boy was there, but some other strange creature was walking about aimlessly on two legs, instead of four, making low, clucking noises, not in the least like mewing, and covered with a smooth, silky coat, nice enough in its way, but not at all like fur. The mouth, too, was sharp and pointed, and Bill felt sure he did not care to wash that face. He had never seen a hen before, so he walked solmenly, at a safe distance behind her, peering at her from behind bushes, and around the corner of the house. Then Kitty Boy came, and he too was curious and offered to help investigate. For days they followed Bibby about, growing bolder, at last, until they discovered that they could make her run.

That was splendid fun, and they put the poor hen through her paces at a great rate. One morning, when she apparently defied them, and stood stock still, Billy Boy walked up and soundly boxed her ears. In spite of all this teasing she took an unreasonable fancy for her new home—they never knew where she came from—and chose a snug, warm place to roost in the basement window. The cats found this out, and they would let her settle for the night, then rout her out for a last race in the electric light. But one morning she astonished them by laying an egg in the basement window. They had learned what eggs were, and it did not take long to break that one, and lap it up with a gusto.

Jane, also, discovered that the hen was laying, and sometimes she was there before them and the egg was captured, but not often. They apparently reasoned the matter out, and it is certain that after they discovered that Biddy could provide them with fresh eggs for their breakfast they treated her in very human fashion,

with much more consideration. The three became good friends, and were constantly together, the two cats rarely chasing her, or disturbing her after she had gone to bed in the basement window.—M. H. K., in Advance.

Despise not little sins; they have ruined many a soul. Despise not little duties; they have been to many a saved man an excellent discipline of humility. Despise not little temptations; rightly met they have often nerved the character for some fiery trial. And despise not little crosses; for when taken up and lovingly accepted at the Lord's hand, they have made men meet for a great crown.—E. M. Goulburn.

#### The Children's Thanksgiving Prayer.

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

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## The Home Circle

CONDUCTED BY RUTH COWGILL.

### The Farmer's Thanksgiving.

The earth is brown, and skies are gray,  
And the windy woods are bare,  
And the first white flakes of the coming  
snow

Are afloat in the frosty air;  
But the sparks fly up from the hickory  
log  
On the homestead's broad stone hearth,  
And the windows shake, and the rafters  
ring,  
To the lads' and lassies' mirth.

The farmer's face is furrowed and worn,  
And his locks are thin and white;  
But his hand is steady, his voice is clear,  
And his eye is blue and bright,  
As he turns to look at his sweet old wife,  
Who sits in her gown of gray,  
With the cobweb kerchief, and creamy  
frills  
She wore on her wedding day.

He bows his head to the laden board,  
And the guests they are silent all.  
"Thanksgiving, Lord, for the sun and  
rain,  
And the fruit on the orchard wall.  
For the silver wheat, and the golden  
corn,  
And the crown of a peaceful life—  
The greatest blessing that Thou canst  
give—  
A true and loving wife!"

This white-haired lover he bends to kiss  
Her hand in its frill of lace,  
And the faded rose on her wrinkled  
cheek,  
With a proud and a courtly grace;  
And the snowflakes click on the window-  
pane,  
And the rafters ring above,  
And the angels sing at the gates of God,  
The words of the farmer's love,  
—Minnie Irving, in N. Y. Independent.

### Thanksgiving.

As Thanksgiving Day approaches, and the mercies of the past year are counted, how many and undeserved they seem! Unfailing and bounteous, they have fallen gently, as does the summer rain-dew of nightfall. We are prone to consider the temporal things of life—riches, estate, whatever goes to make up earthly happiness and prosperity—as of chief importance. Deprived of the least of these, we murmur, and question why; and yet, oftentimes in the clear vision of the future, we see that the very event we mourned as misfortune was a blessing in disguise.

Parents, bewailing lost opportunities for their children, find compensation in the ambition and spirit of independence this course awakens, which proves far more valuable for their future than twice the amount of money lost.

A charitable organization in France (the idea of a Benedictine monk) bears this beautiful name—"Servants of the Poor"—fully in accord with its mission of tenderness and relief. In exhorting the sisters the venerable monk was wont to say: "My daughters, go to the needy; be kind and more serviceable than any servant; be sweet, amiable and patient, that you may win their hearts, and that they may see that God has sent you." "The poor we have always with us," and, as individuals, can we not follow the guidance of this organized charity? If riches are ours we are responsible for their use; if, by experience, we know the trials of limited means, we are even better fitted to understand the emergencies and suffering incident to real poverty. Whatever our past record, that of the future can be brighter with added self-denial and effort, and we have always the blessed assurance, "as unto the least of these," it has been in the service of the Master.

How strong and tender are the ties of kindred and friendship, gladdening life's pilgrimage with love and sympathy until their severance seems the end of all things. Many home circles rejoice and give thanks for the restoration of loved ones from the very shadow of the dark valley; while others, missing the daily presence, the voice and tender ministry, refuse to be comforted. Through tears, they admit that the friend or child transplanted is safe from the inevitable sorrows, pains and toil incident to this life; but, alas, human love is selfish, and it is so hard to live without them. What greater blessing than that God's grace is sufficient to bring submission and peace, and that work and duty still remain as balm for broken hearts.

As we sum up the bestowals of God's love and providence—peace of country, liberty of thought and religion, gifts of home, friends, health and opportunity—we can only say with humility:

"Accept our thoughts for thanks, we have no words;  
Our souls, o'erfraught with gratitude, reject  
The aid of language: Dear Lord, behold our hearts!"  
—Table Talks.

### Lights and Shades on the Plains.

BY ELSIE S. TAYLOR.

"I ask for a year more, only a year. Just time enough to finish it. If I can see the last word written I can go then."

In the rambling old house that had buffeted so many winds, Allan Proctor sat and looked out over the brown prairie.

It was a blustery autumn day. The wind blew in gusts, now lulling till it crept around the corners of the house with a low moan, now rising in sudden fury and rushing over the prairie like some phantom demon. The sky hung low but with those bleak, fleeting glimpses of sunshine that glide over the low hills and then die away in shadow.

To the man sitting by the window the landscape was the vague, dark, shifting panorama of a dream. Brown prairie undulating to the sky, which hovered lowering on the grey line of hills. Over the ridge came the wind-spirit, now pausing, now rushing on and driving great flocks of thistles and weeds before him to pile them high in some fence-corner until their adversary shall come in his conquering might and drive them back over the parched plain again. He twisted the little dwarfed trees and lashed their scrawny limbs. He rattled the morning-glory vines against the house with vicious strength. Somewhere outside a door slammed back and forth. All was dark, dusty, gloomy.

Allan Proctor saw a bleak landscape stretching out before him, from the broken fence opposite his window, to the far-distant horizon, no cheerful scene in all its gloomy sameness. But with the mind's eye he looked out over another plain and it, too, was bleak and the sunshine was autumn sunshine, dreary and pale. As he looked over this widespread plain his eyes grew very soft and sad and yearning.

His mother had been laid to rest beneath the Western prairie when he was a ten-year-old boy. From her he had inherited that quick, versatile temperament, tender and romantic, which had seemed to him ever as a will-o'-the-wisp, lighting up the dreary places of his sad life.

All the best powers of his manhood had been sapped by one continuous war with poverty and disease. When he had, at last, the one opportunity in many years to harvest a bountiful crop, down came that great merciless monster—the prairie fire, taking everything but the house and cattle. The patient, hopeful wife had tried her best to smooth the way for him although her own path was rugged. She was a lovable woman, thoroughly domestic, yet sympathizing in a way with her ambitious husband in his aspirations and ideals.

Once, long ago, a vista had opened to a college career, and though he had looked through to its radiant portal past difficulties almost insurmountable, it had seemed to his eager heart to be a flowery pathway. But at the close of the first year a disease which had lurked in his system from infancy, developed and fastened itself upon him never to depart. He had known ever since that fateful day that he was doomed to poverty and to a still worse fate—to stand forever at the tomb of his ambitions and youthful dreams.

Every year since then had left its ravages upon him. To feed and clothe six children from the returns of his unproductive farm had been a strain that had sapped away the vigor of his youthful mind. The elements had leagued against him. Fire, drouth, wind, hail, had all swept over his fields and taken all. Now and then

he would see a glimmer of hope and the old, restless, eager longing would fill his being; but alas! it vanished like the cloud that deserts the panting prairie and leaves only a mocking, dry sky.

But now, in the evening of life, when the body is weakened by toll and hardship and disease; when the mind has no longer the conscious power which it once had; and when all the assurance of buoyancy of spirit is gone, now, like a mockery had come the opportunity that would once have been so dear, so well improved. Fate had, at last, removed the fetters of penury and given him one last merciful chance.

"Yes," he said, leaning his head against the chair-back wearily, and closing his eyes, "that's all I ask. But I am growing weaker every day, Lena, it will be a close race with the relentless reaper."

"What a pity you couldn't have had that three thousand dollars when you were fifteen years younger."

Oh yes, what a pity! How his heart had wailed and moaned within its innermost depths. What a pity! A life wasted! Only one among the multitude, it is true, but this was his life, his sky that was overcast, his path that was so stony. But there was a little time left yet, a little of the gloaming before the darkness came.

During the days that followed he grew weaker and also stronger. As the body became frailer the soul waxed strong. Yet often great despair came over him. He could not find the right words to bear the lofty thought along. Sometimes everything grew confused and he must needs push back the papers and books and rest, he, who once would never rest.

It was only a simple little romance of the plains, this work of his, of hopes and fears, of love and hate, and petty strifes and unrealized ideals. It reflected his own surroundings, voiced his own joys and sorrows and unconsciously molded, with reverent touch, the exquisite ideals of a poetic soul. All the language was simple and unpretentious. It was all so real, so human, in its portrayal of life's battles! What need for gilded and magnificent diction here! Around each beautiful thought the heart will send a robe of its own weaving.

Once he had contemplated more strenuous labor in life's arena but the flood tide of young strength had ebbed and he was content now to use the crude tools which he had, to build with the blocks he had hewn out of the rock.

"I don't know just how this must end," he said, one day, pushing his hair back restlessly. "I can't think. I can't tell. But something seems to tell me to wait and everything will be clear. And yet I am almost afraid to wait. But everything is so confused to-day."

"Put it away and rest a little," suggested his wife. "Perhaps you will feel more like writing to-morrow."

The next morning dawned clear and bright. In the soul of Allan Proctor the mists had melted away and left a cloudless, crystal galaxy. His eyes were clear and bright and he called for his papers long before he usually began his work for the day. Unceasingly, without a second's interruption, the pen glided over the paper. His wife, moving about in and out of the room, glanced wonderingly at him, but he neither saw nor heard.

"Lena!" he called at last. She found him lying back among the pillows with ashy face but his eyes shone like stars.

"Raise me up a little, Lena. I have just a little more now. I must finish."

"Wait a little, Allan, you look so very tired. Wait till to-morrow." He raised luminous eyes to her face.

"There will be no to-morrow, dear," he said, slowly. "As a child I often wondered why to-morrow never came. It has come. To-day is to-morrow. Let me finish."

So she raised him in her arms but the pen moved more and more slowly and unevenly and at last, with a great despairing sigh, he laid it down. But

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he took heart again as he glanced at the unfinished task before him.

"You write," he pleaded. "Help me, dear. I will soon be gone."

She took the pen and wrote as well as she could through fast-falling tears. The voice at her ear had sunk to a whisper faint as the breath of a summer evening. She caught the last word. She guided the dying hand as it traced his signature and the date. A smile glorified the pale, worn features.

"I am content. I am satisfied. There is no joy, Lena, that can compare with the realization of a long-cherished ideal. I have not—lived—in vain. Call the children."

Casper Gordon, renowned critic and editor, sat in his office in the heart of the great city. The desk before him was a confused litter of manuscript. He leaned back and glowered on the chaos before him. His was the cold, cynical face of a man embittered and disgusted with humanity. The square jaw showed the iron will and the high forehead the powerful intellect but you looked in vain for a sign of love or sympathy.

Just at this moment the door opened unceremoniously and a man came in and sat down near the editor. He tossed his hat upon another chair, pushed his hands into his coat pockets and sighed.

"Well, Keith, I wish I felt as restfully melancholy as you look. I am going to take a vacation and go to a madhouse and recuperate in comparative peace. I haven't a thing here worth printing, not one. Everything here is as empty as an egg-shell. There is a death-bed scene here that is irresistibly humorous. I laughed enough over it if that's what is intended."

"Your standard is so very high," suggested his hearer, "and then I think, sometimes, that you have no heart and can not respond to sentiment any more than can a deaf mute to music."

"Well, I believe I have a heart somewhere, Keith. I haven't needed it for a long time but if I had an idea that I would, I believe I could hunt around among the dusty pigeon-holes of the past and produce it in triumph."

The man by the window did not smile. He seemed lost in sorrowful thought.

"Gordon," he said, at last, "do you remember that friend of mine I told you about once who was writing, under such difficulties, a tale of the Sunflower State? Well, the book is done. Read a little of it but be merciful. I

feel as though it is almost a desecration to let you read it. It is a story of the human heart. How can you see anything in that?"

The editor smiled. "I will spare your friend—a few minutes," he answered looking at his watch. "Let me have it."

He took the packet and opened it. He read the first sheet and laid it down. Then another and another. His companion looked out of the window for several minutes, then he turned and watched the face opposite him. There was absolute stillness in the room. The bustle and hurry on the street below sounded far away. An hour passed. Gordon leaned back in his chair and closed his eyes. "I must know this man, Keith," he said, and turned again to the papers before him.

Another hour passed. To the man waiting there the clock ticked loudly. To the other all the traffic of the city was inaudible. He was living in another world. He was before that great stage where all is tragedy at last. Once he raised his eyes and looked out over the city street.

"God help us," he said, softly. After that there was no sound for a long time. At last, Keith turned inquiringly and was dumbfounded to see the proud head bowed on the desk before him.

"George," he said at last, raising his head and looking long and earnestly at him. "George, that poor fellow had to die after he had written that. I know he is dead. That last line is a dying man's writing and two or three pages before that are in a woman's handwriting. His wife, I suppose. Oh, I wish he could have known what he had accomplished! That all his fondest dreams are realized, yes and more than he could ever have aspired to! How sad life can be!"

"I have received the greatest eulogy for poor Allan Procter that I can conceive of," Keith said simply. He rose to go.

The editor took the papers from the desk reverently. He rose and stepped over to the window.

"Keith," he said, solemnly, almost brokenly, holding them out before him. "That is alive. It is as much alive as if it were a palpitating human heart torn from a living breast. I feel honored that I am allowed to give this message to the world. God bless you, George, and goodnight. Come up to-morrow. I want to see you again. I am a sadder but a wiser, and I must say a happier man than I was an hour ago. By the way, wait just a minute and I'll go down with you."

He hastily piled up the papers and locked them in his desk but the other manuscript he swept into a disorderly heap in the middle of the desk.

Soon the two men were on the street amid the rush and roar of traffic. As they passed a shop window they noticed a little girl standing close to the window and looking wistfully at the great array of dolls. Gordon had often seen the child here but this time he stopped.

"What pretty dolls!" he said, softly. "Which one is the nicest?" The child looked at him in wonder.

"The blue one with yellow hair," she answered at last. "She is so lovely I hope no one will ever buy her because then I can't see her any more. I love her so much."

Gordon entered the shop without a word and Keith and the child saw the blue fairy suddenly disappear from view. Before they could realize the cause of her mysterious exit, Gordon came out and placed the doll in the child's arms. She looked at him in rapture.

"How long can I hold her?" she asked quickly.

"She is yours, for your very own, forever."

She seemed unable to comprehend it all at first.

"You got it for me?" she asked at last. "How lovely it would be to be your little girl. You are so good."

Then she trotted down the street with the light of joy shining in her

eyes and the doll clasped so tightly that every passerby smiled in sympathy.

"Your monument is better than marble, Procter," thought Keith to himself. "It is carved from that which shall never crumble. Every year will add to its beauty and your sweet impulse shall thrill in human hearts an hundred years from now. No, it was not in vain that you yearned and struggled and bled for the unattainable. Would that I, too, could be sanctified by such a life."

**A Call for the Observance of World's Temperance Sunday.**

The W. C. T. U. issues the following appeal:

"The fourth Sunday in November of each year has been designated 'World's Sunday School Temperance Sunday.'"

"The highest ecclesiastical bodies of nearly all denominations have given recognition to this day. The appointment is also made by the International Sunday School Convention, through the International Lesson Committee, and provision is made for a World's Sunday School Temperance Lesson.

"The drink curse is world wide, and young people in particular should be taught that it is a crime against the Nation and a sin against God. It is fitting therefore that the subject be presented from both National and personal points of view.

"We therefore call upon all pastors, Sunday-School superintendents and teachers, all W. C. T. U. workers in the Sunday School and all friends of temperance teaching in the Sunday School to make the observance of World's Sunday School Temperance Sunday, November 27, a notable occasion. Let it be the great annual temperance field-day for the Sunday Schools of the world.

**The Christmas Delineator.**

The December Delineator, with its message of good cheer and helpfulness, will be welcomed in every home. The fashion pages are unusually attractive, illustrating and describing the very latest modes in a way to make their construction during the busy festive season a pleasure instead of a task, and the literary and pictorial features are of rare excellence. A selection of Love Songs from the Wagner Operas, rendered into English by Richard de Gallienne and beautifully illustrated in colors by J. C. Leyendecker, occupies a prominent place, and a chapter in the Composers' Series, relating the Romance of Wagner and Cosima, is an interesting supplement to the lyrics. A very clever paper entitled "The Court Circles of the Republic," describes some unique phases of Washington social life and is from an unnamed contributor, who is said to write from the inner circles of society. There are short stories from the pens of F. Hopkinson Smith, Robert Grant, Alice Brown, Mary Stewart Cutting and Elmore Elliot Peake, and such interesting writers as Julia Magruder, L. Frank Baum, and Grace MacGowan Cooke hold the attention of the children. Many Christmas suggestions are given in needlework and the cookery pages are redolent of the Christmas feast. In addition, there are the regular departments of the magazine, with many special articles on topics relating to woman's interests within and without the home.

**A Great Speech.**

A lawyer, whose eloquence was of the spread-eagle sort, was addressing the jury at great length, and his legal opponent, growing weary, went outside to rest.

"Mr. B— is making a great speech," said a bystander to the bored counsel.

"Oh, yes, Mr. B— always makes a great speech. If you or I had occasion to announce that two and two make four, we'd be foolish enough to blurt it out. Not so Mr. B—. He would say:

"If by that particular arithmetical rule known as addition, we desired to

arrive at the sum of two intergers added to two intergers, we should find—and I assert this boldly, sir, and without the fear of successful contradiction—we, I repeat, should find by the particular arithmetical formula before mentioned—and, sir, I hold myself perfectly responsible for the assertion I am about to make—that the sum of the two given intergers added to the other two intergers would be four."—Selected.

**Club Department**

**OFFICERS OF THE STATE FEDERATION OF WOMEN'S CLUBS.**

President.....Mrs. Cora G. Lewis, Kinsley  
Vice-Pres.....Mrs. Kate E. Apington, Council Grove  
Corresponding Secy.....Mrs. Eustice H. Brown, Olathe  
Recording Secretary.....Mrs. F. B. Hine, Kinsley  
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Auditor.....Mrs. D. W. Wilder, Hiawatha  
State Secretary for General Federation.....  
.....Mrs. C. C. Goddard, Leavenworth

**Our Club Roll.**

Mutual Improvement Club, Carbondale, Osage County (1886).  
Give and Get Good Club, Berryton, Shawnee County (1902).  
Woman's Literary Club, Osborne, Osborne 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).  
Chautau Club, Highland Park, Shawnee County (1902).  
Clubs Club, Phillipsburg, Phillips County (1902).  
Literary Club, Ford, Ford County (1903).  
Sabeau Club, Mission Center, Shawnee County, Route 2 (1899).  
Star Valley Woman's Club, Iola, Allen County (1902).  
West Side Forestry Club, Topeka, Shawnee County, Route 8, (1903).  
Fortnight Club, Grant Township, Reno County (1903).  
Progressive Society, Rosalia, Butler County (1903).  
Pleasant Hour Club, Wakarusa Township, Douglas County (1899).  
The Lady Farmers' Institute, Marysville, Marshall County (1902).  
The Woman's Progressive Club, Anthony, Harper County.  
Taka Embroidery Club, Madison, Greenwood County (1902).  
[All communications for the Club Department should be directed to Miss Ruth Cowgill, Editor Club Department.]

**Washington Irving.**

Roll-call—Quotations from Irving.  
I. Irving the man.  
II. Reading from Rip Van Winkle.  
III. Irving's humor.  
IV. The Dutch in America.  
Washington Irving is one of America's most illustrious and fascinating men of letters, and a study of him will be well repaid by the pleasure to be obtained. As with Holmes, and all other writers we have studied, the best means of learning about him is through his own writings. Every member of the club ought to read something from him. They will then come to the meeting with minds prepared to enjoy fully and appreciate intelligently what is said by those on the program.

The few main facts of his life should be presented in the first paper, but that is not all. That is merely the skeleton, which should be clothed with the flesh and blood of his personality. A biography should never be dry and uninteresting, for there is enough in everybody's life to charm and interest if only the writer of it looks deep enough and shrewdly enough into it. So the first paper ought to be made one of the best of the afternoon.

Before writing this paper, "The author's account of himself," a sort of preface to the Sketch Book, should be read. After the reading of Rip Van Winkle, one of the author's most charming and characteristic sketches, the paper on Irving's humor should be read, pointing out and illustrating with quotations, the peculiarities of Irving's style, and comparing it with Homes' which was studied in the last program.

Some reading outside of Irving's books will be needed for the last topic. The Dutch have been a factor in our National life which can not be overlooked; and while Irving shows us the charm of their simple lives, his good-humored laugh at them does not quite do them justice. The "History of New York," and the stories of life on the Hudson and in the Catskills will be valuable aids in the preparation of this paper.

**International Exhibition.**

The crown of all expositions for livestock purposes is the great "International." It will be held at Union Stock Yards, Chicago, November 26 to December 3.  
Of course you will plan to attend? \$16 there and back via the Santa Fe. Ask T. L. King, Agent.

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Do you want the Index? Write me.

MACBETH, Pittsburgh.

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The short courses in agriculture and dairying will begin Jan. 3, 1905 and will continue 12 weeks. The winter term of the college begins on the same date. All of the common school branches are taught each term, and classes are formed in all of the first-year and nearly all of the second-year studies each term. Write for catalogue.

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### The Stock Interest

#### The Cooper County, Missouri, Short-horn Sale.

On Wednesday, November 16, at Bunceton, Mo., was held at the fifth semi-annual combination sale by the Cooper County Shorthorn Breeders' Association. A good bunch of cattle, delightful weather and a large crowd contributed to make the sale a very interesting event for Bunceton. The sale was in charge of Col. R. L. Harriman, assisted by Col. W. D. Ross, of Otterville, and Col. D. J. Judy, of Bunceton. The top of the sale was brought by Imp. Empress of Overthwaite 3d, contributed by W. P. Harned, who went to Branstetter Bros., of the Cloverdale Stock Farm, Vandalla, Mo., for \$400. The top of the bull sale was brought by a splendid young roan named King Arthur, who was sold by Chas. P. Tutt to G. R. Chalfant, Richmond, Mo., for \$175. The sales made by the different breeders were as follows:

- Contributed by W. P. Harned.
- Idlewild Violet, R. L. Harriman.....\$300
- Victoria of Clear Creek, Danial Donahue, Appleton City..... 320
- Imp. Empress of Overthwaite 3d, Branstetter Bros., Vandalla..... 400
- Contributed by C. E. Leonard & Son.
- Buchan Lassie 7th, W. A. Betteridge, Pilot Grove..... 250
- Grace of Elmwood, Dr. A. W. Nelson, Bunceton..... 300
- Contributed by W. A. Betteridge.
- Rose Butterfly, W. S. Cotton, Smith-ton..... 170
- Contributed by G. A. Carpenter.
- Orange Butterfly Godoy 227147, W. A. McMehen, Walnut Grove..... 165
- Lady Mina Walnut 21st, W. A. McMehen..... 115
- Contributed by W. D. Ross.
- Lamine Abbotsburn 169750, Bert Harriman, Pilot Grove..... 65
- Contributed by Sam W. Roberts.
- Oxford Duchess of Edgwood 4th, Geo. Lowe, Vermont..... 60
- Grand Duchess of Oaks 5th, Fred Fricke, Lone Elm..... 75
- Cragg's Duchess of Aldrey 10th, Jas. Mayfield, Pleasant Green..... 70
- Cragg's Naid 3d, Fred Fricke..... 55
- Contributed by P. F. Smith.
- A Young Mary bull, substitute for lot 17, G. R. Chalfant..... 65
- Contributed by G. A. Betteridge.
- Maud, Jacob Buchta, Lohman..... 100
- Mary Abbott 2d, W. S. Cotton..... 175
- Contributed by W. H. H. Stephens & Son.
- Leonard's Butterfly Duchess, W. D. Adams, Boonville..... 70
- Bunceton Eudora Sharon, Jacob Buchta..... 80
- Bunceton's Red Duchess, W. D. Adams..... 100
- Grace Miller, Bert Harriman..... 150
- Contributed by D. W. Hunt.
- Royal Hero 224861, W. C. Guyer, Plis-gahm..... 55
- Contributed by Chas. P. Tutt.
- Autum Rose, W. A. McMehen..... 100
- Geniveve 4th, W. A. McMehen..... 100
- Lady Orange, Jacob Buchta..... 50
- Roan Mary 3d, Robert Hunt, Plisgah..... 65
- King Arthur, G. R. Chalfant..... 175
- Contributed by Geo. A. Tutt.
- Pretty Miss, Jacob Buchta..... 125
- Contributed by Geo. W. Lowe.
- Violet Lady 2d, Jacob Buchta..... 80
- Roan Lady, Jacob Buchta..... 50
- Contributed by J. M. Freeman.
- Champion, Geo. Morris, Bunceton..... 25
- Olive Flower 2d, W. S. Cotton..... 70
- Louise 2d, Jacob Buchta etain etaci Louise 2d, Jacob Buchta..... 40
- Red Dairy, Albert Nelson Jr., Bunceton..... 50
- Contributed by W. P. Harriman & Son.
- Mt. Vernon Craggs, W. S. Cotton..... 65
- Missouri Sharon 3d, Jacob Buchta..... 65
- Contributed by A. C. Harriman.
- Ida Oakland 3d, Bert Harriman..... 40

**SUMMARY.**

30 females brought.....	\$3,690.00
Average.....	123.00
6 bulls brought.....	550.00
Average.....	91.66
36 head brought.....	4,240.00
General average.....	117.77

#### The Armour-Funkhouser Sale.

In calling attention to this noted annual event, which this year will occur on December 6 and 7, at Kansas City, Mo., it is a pleasure to give direct statement made by the owners and breeders of these Herefords. There will be a large consignment of cows, many of which are imported, and about one dozen bulls, largely of Heslod, Onward or Java blood. We believe the offering will be as good as any ever made by Messrs. Armour and Funkhouser, and hence express our pleasure at being able to quote the following statements made by these contributors in regard to the quality of these cattle:

"We have no hesitancy in stating that these are as good animals as we have in our herds. You will note from the list that a great many of the Armour cows are imported. When we say 'imported,' we really mean more than 'imported,' we mean that these cows are from the best herds in England and the result of years of careful breeding by veteran breeders in the old country. Their pedigrees are full of prize-winning blood-lines and they were purchased at long prices by Mr. Armour, and were it not for the fact that each of them has dropped from one to two good calves on the Armour farm, it would be almost impossible to sell them at the prices we expect they will bring in this sale. If you wish to infuse some new imported blood-lines into your herd, this certainly is a good opportunity to buy them at your own price. At least three-fifths of the Armour cows will have calf at foot, and are bred again. Many of these calves are by the great bull Majestic. This ought to be quite an inducement to beginning breeders.

"It will be noted that among the Funkhouser offering is a number of heifers sired by March On 6th. These are the first daughters of this grand bull ever offered at auction, thus giving you a chance to buy at your own price, blood

from a bull recognized by all breeders to be one of the grandest in all Herefordom. The contribution of bulls from the Funkhouser herd is exceptionally fine and fit to head any pure-bred herd and if you are in need of a high-grade young bull, you certainly can make no mistake in buying one of them.

"We confidently believe that Hereford prices have hit the bottom and now is the time to buy. They certainly will sell for more money in the near future. We will be pleased to have you with us at this sale and can only hope that you may pick up some bargains as we know there will be many go out. The sale will be held at the fine stock pavilion at the stock yards, which as you probably know is steam-heated and very comfortable and convenient in every respect and think you will be enjoying yourself to come and see these good cattle sold. You are just as welcome whether you buy or not."

#### The Sturgeon, Mo., Shorthorn Sale.

On Tuesday, November 15, was held a combination sale of Shorthorn cattle at Sturgeon, Mo., by a number of well-known breeders of that section of the State. The contributors to this sale were: J. J. Littrell, E. S. Stewart, Dr. J. F. Keith, and J. H. Cottingham. The weather was all that could have been desired and the sale was conducted in a large tent conveniently arranged, while the auctioneers in charge were three of the best-known and most capable men in the business. The sale was opened by Geo. P. Bellows, Maryville, Mo., who was assisted by Col. J. W. Sparks, Marshall, Mo., and Col. R. L. Harriman, Bunceton, Mo. Owing to the fact that a large number of the animals were not specially prepared for the sale-ring, a number being quite young, and because of the fact that a large percentage of the crowd present were neighboring farmers who did not seem prepared to pay prices necessary to get pure-bred stock, the general average of the sale was not high. The top of the sale was brought by Proud Robin 177806, calved May 23, 1901, and bred by C. D. Dustin & Son, Summerhill, Ill. He is a son of Robin, Adair 151303 out of Victoria of Hill Farm 5th. He sold to G. A. Summers, of Malvern, Iowa, for \$265. The top of the cow sale was brought by the 6-year-old cow, Bloss by Imp. Master of the Rolls 99463, out of Bloomdale (Vol. 42). She sold to H. Fulington, Clark, Mo., for \$255. The next best thing in the sale was the cow Ruby Abbotsburn by Young Abbotsburn 110679 out of Third Moss Ross of Happy Hollow, who went to Wm. Forteaus, Garfield, Kans., for \$180.

Other buyers at this sale were: J. E. Hubbard, Clark, Mo.; J. C. Nichols, Clark; G. H. Hacke, Centralia; R. L. Harriman, Bunceton; Bellows Bros., Maryville; J. W. Tucker, Hawesville; T. E. W. Ragsdale, Shelbina; Geo. W. Batterson, Sturgeon; J. W. Stotzen, Sturgeon; M. A. Baste, Clark; R. M. Lale, Odessa; J. H. Cottingham, Clark; G. A. Bailey, Shelbina; C. B. Keeton, Sturgeon; R. L. Robinson, Sturgeon; S. P. Emmons, Mexico; W. E. McKinney, Cairo; H. C. Lyons, Sturgeon; C. B. Stevens, Sturgeon; Mrs. Delsie Young, Sturgeon; J. W. Wusey, Revis; J. W. Tucker, Hallsville; John Edwards, Sturgeon; Finley Bros., Sturgeon; W. D. Crosshite, Clark; Pat Forrest, Sturgeon. The general average of the sale was a few cents short of \$90.

#### A Great Holstein-Friesian Sale.

On Tuesday, November 23, at Topeka State Fair Grounds, will be held a livestock sale of more than ordinary interest to the people of Kansas. It is rare that we are able to announce a sale of good, highly-bred Holsteins, and this offering of fifty registered cattle of both sexes and all ages, to be made by Mr. H. N. Holdeman, of Girard, Kans., is an exceptional one. The cows in this herd made an average last year of 9,106.85 pounds of milk, which tested 3.8 per cent last year. In this number are included heifers 2 and 3 years old, and no special feeding was done to produce this result. No ensilage, clover hay, alfalfa or oil-meal was fed during this year's test. The handsome catalogue of these sale animals is now ready for distribution and contains much of the blood of the prize-winners of the last few years. Remember that while these cattle have never been entered for the advanced registry, they are bred from and in the blood lines of those which have made the greatest advanced registry record in the world. The head of this herd is a half-brother of the cow that secured second prize at the World's Fair this year, with a record of about twenty pounds of butter in seven days. Experienced dairymen understand that cattle which are entered for the advanced registry are necessarily specially fed during the test. They also understand that there is almost sure to be a reaction after the cow is taken from the special feed. The animals offered in this sale have never been pampered or fed for special tests, but are good, useful animals that are ready to go out and do work the year around. The sale will be conducted by Col. J. W. Sparks, of Marshall, Mo., assisted by Col. John W. Wahl, Parsons, Kans., and Topeka has been selected as the place for holding this sale because of the railroad facilities which will permit of the dairymen throughout the State attending with the least loss of time and money. Write to H. N. Holdeman, Girard, Kans., for catalogue and if you can not be present, send bids to him or to Colonel Sparks or the newspaper representatives.

#### The A. E. Schooley Poland-China Sale.

On December 6, at Archie, Mo., Mr. A. E. Schooley, of Austin, Mo., will hold a public sale of his champion and prize-winning Poland-China swine. Mr. J. R. Young, of Richards, Mo., will be a contributor from his prize-winning herd. Among the plums of this sale will be Predominator 27480, who was champion of the Missouri State Fair in 1902, and who is the sire of Nonpareil, champion at the same fair in 1904. Nonpareil will also be sold, as will also Dominator, a World's Fair prize-winner, Schooley's Model, first-prize winner at the Missouri State Fair. She is the dam of Nonpareil and is bred to Predominator again for March farrow. There will also be sold Klame, a litter sister of Nonpareil, and other

sows by Keep On, Ideal Sunshine, Chief Perfection 2d, Missouri's Black Perfection, Perfect Perfection, and others of like quality. The first-prize boar under 6 months at the Missouri State Fair this fall, and Fancy U. S. 57512, dam of the \$750 Ideal U. S., and the \$400 Ideal U. S. 2d, The Lad For You, and others. As Mr. Schooley contemplates selling his farm, this will practically be a closing-out sale for him. Included in the sale will be ten brood sows of tried merit, a number of good fall boars, and a splendid lot of spring gilts. Mr. J. R. Young will contribute about twenty-five head from his famous herd at Richards, Mo. This will be one of the most attractive offerings to be made in any Poland-China sale this year, and that breeder is wise who arranges to be present and secure some of these plums. Mention the Kansas Farmer and write to A. E. Schooley, Austin, Mo., for catalogue.

#### The McLaughlins in France.

Mr. McLaughlin, the well-known American importer, who has been so successful at the St. Louis Exposition with horses bred and raised in France, brought together last Monday at Caen, in the parlors of the Madrid restaurant, thirty breeders, among whom were Messrs. de Basley, Lallouet, etc. The repeat did honor to the host and at the same time to the cooking of Caen.

At the desert several toasts were drunk; the first was given by Mr. Marcellac. Then Mr. McLaughlin proposed a toast to M. Lalouet, the raiser of Azur, which he called the most beautiful coach-horse in the world. Replying to a short speech by M. Louis Baume, Mr. McLaughlin has declared that nowhere, in no part of the world, has been made or can be produced a horse equal to the French coacher.

The entertainment was prolonged until a rather late hour, and all the guests, united by a joyous cordiality, remarked that it was good that a man should come from the new world that one might see at the table so many men representing so many different equine interests.

They separated, wishing that they might be able to meet again next year in order to congratulate Mr. McLaughlin upon the decoration of the Legion of Honor which he can not fail to receive after the St. Louis Exposition.

We remember that Mr. Mougeot, at the time of his only visit at Caen, rendered this visit conspicuous, by decorating Mr. McLaughlin with the "Merite Agricole," and this distinction received from the breeders all the appropriation which it merits.

There are years when Mr. McLaughlin buys three hundred horses in France, and it is especially through him that our coach-horses are to-day highly appreciated in America and have had such success at the St. Louis Exposition.—Translation of a News Item in La France Chevaline, of October 29, 1904.

#### International Sale of Aberdeen-Angus.

Friends and admirers of "the breed that beats the record" should bear in mind that probably the greatest collection of high-class show and breeding animals that were ever assembled for a public auction in America, will go under the hammer at the International sale Thursday, December 1. Many prominent breeders and exhibitors are consigning their show herds and all are fit specimens to be sold at an international auction. Two hundred dollars in prizes are offered and the awards will be made on Wednesday afternoon, November 30, the day preceding the sale and the public is asked to witness the most remarkable display of sale cattle the breed has ever made. The catalogue which includes representatives of the most fashionable families, is rich throughout in blood-lines, and is particularly interesting because it contains illustrations of the champions, grand champions, and reserve champions of the breed at this show. These pictures set forth ideas and tell stronger than words could do it of the wonderful victories of the Aberdeen-Angus over all other breeds from the very inception of the show. This catalogue should by all means be obtained by all interested in live-stock improvement, and if you have not time to obtain a copy from W. C. McGavock, sale manager, Springfield, Ill., you can secure one of these attractive catalogues at the sale-pavilion or in the barn where the Angus cattle will be stabled during the International Exposition. If you want a high-class bull, cow, or heifer you should attend this auction.

#### The Bunceton, Mo., Hog Sale.

The combination Poland-China and Berkshire hog sale, held at Bunceton, Mo., on November 16, resulted in the disposal of 26 head of Poland-Chinas and 24 head of Berkshires, which together brought \$765.50, an average of \$15.27 per head. The twenty-six head of Poland-Chinas averaged \$18.50 and the twenty-four head of Berkshires averaged \$11.77. E. H. Rogers' consignment of Poland-Chinas averaged \$22.

Among the buyers of Poland-Chinas were: Chris. Rasmus, Lone Elm; W. H. H. Stephens, Bunceton; Bert Harriman, Pilot Grove; John Molan, Bunceton; W. H. Mercer, Pilot Grove; P. E. Linhardt, Lohman; Albert Palmer, Syracuse; John Richey, Vermont; and E. L. Graves, E. Patterson, W. B. Cully, Sam Williams, G. A. Carpenter, Henry Steigleder, Frahenbrink Bros., J. G. Wolfrum, Bunceton.

The buyers of Berkshires were: S. W. Roberts, Pleasant Green; Frost & Richardson, Moberly; Tom Groves, Tipton; W. A. Betteridge, Pilot Grove; J. L. Snodgrass, Tipton; D. R. Brubaker, New Lebanon; and D. Floyd, D. L. Starke, E. L. Ellison, A. J. Poe, G. A. Carpenter, Ike Drew, Lawrence Spahr, and Martin Smith, Bunceton.

#### The Herefordshire of America.

On Wednesday, November 30, at Blue Rapids, Kans., will be held the third annual sale of the Marshall County Hereford Breeders' Association. This is the largest county Hereford breeders' association in the United States and represents about fifty herds of Hereford cattle in Marshall County. Heretofore, these sales have covered two days and included about 100 animals. This time, because of

## RHEUMATISM

### CURED WITHOUT MEDICINE

New Remedy Discovered Which Absorbs Acid Impurities Through the Large Foot Pores.

### A DOLLAR PAIR FREE

On Approval—Write To-Day.

Don't take medicine for Rheumatism, but send your name to the makers of Magic Foot Drafts, the great Michigan discovery which is curing every kind of Rheumatism without medicine—chronic or acute—Muscular, Sclatic, Lumbago, Gout, etc., no matter in what part of the body. You'll get the Drafts by return mail. If



you are satisfied with the relief they give, send us one dollar. If not, send nothing. YOU DECIDE.

Magic Foot Drafts possess the remarkable quality of absorbing from the blood the impurities which cause Rheumatism, curing where everything else has failed. They are even curing cases of 30 and 40 years' standing. They will cure YOU. Send your name to-day to Magic Foot Draft So., F F 26 Oliver Building, Jackson, Mich. Our splendid new book on Rheumatism comes free with the Drafts. Send no money—only your name. Write to-day.

### Maple Grove Stock Farm

## DUROC-JERSEY SWINE

Herd headed by Royal Top Notcher 28075—12329. . . .

Three hundred head in herd. Bred sows and sows with pigs at foot for sale. Sixty choice spring gilts, both bred and open for sale. Also twenty April boars by Royal Top Notcher and some choice yearlings. All of the big-boned, growthy kind. Visitors welcome, and prices right.

### DULANEY & DE BROT,

ROUTE 1, WICHITA, KANSAS.  
Telephone at Farm.

### WALNUT OAK HERD

## DUROC - JERSEY HOGS

Herd headed by Surprise 10817, Champion at American Royal in 1902. Pigs by him out of Mode, the sweepstakes sow at seven State Fairs and out of May F, who never produced a pig that was not a show hog. She is the dam of World's Fair prize winners. We have others as good and no poor ones. Visitors always welcome. On Missouri Pacific Railway.

Powell & Rudy, Smithton, Mo.

# Suffering

## Will Not Help Your Disease, but Will Weaken Your Nerves.

Folks who think it is better to bear pain than soothe it—are wrong.

Old-fashioned doctors used to say it was better, because they had nothing with which to ease pain but dangerous, heart-paralyzing drugs.

But now, that a safe remedy has been found, Dr. Miles' Anti-Pain Pills, it is wrong to suffer, for nothing can be gained but weakened nerves.

A safe rule to remember is: When in pain, take an Anti-Pain Pill.

This will soothe your quivering nerves.

Dr. Miles' Anti-Pain Pills relieve pain by restoring the natural secretions, in which they differ from opium and similar narcotic drugs, which relieve pain by checking the action of the glands.

They are sure and harmless, and are the latest medical treatment for the cure of Headache, Neuralgia, Backache, Rheumatism, Dizziness, Toothache, Stomachache, Menstrual (Monthly) Pains. Also nerve irritations like Sea-Sickness, Car-Sickness, Sleeplessness, Indigestion, etc.

Pleasant to take, quick in results.

"I have used Dr. Miles' Anti-Pain Pills for sick, nervous headache, and have received the best results. I heartily recommend their curative properties, for they are successful."—REV. RAY A. WATROS, D. D., Iowa City, Ia. Sold by druggists, at 25c. Money back if first box does not help. Never sold in bulk.

**FREE** Write to us for Free Trial Package of Dr. Miles' Anti-Pain Pills, the New Scientific Remedy for Pain. Also Symptom Blank. Our Specialist will diagnose your case, tell you what is wrong, and how to right it. Free. DR. MILES' MEDICAL CO., LABORATORIES, ELKHART, IND.

When writing advertisers please mention this paper.

their plan to hold semi-annual sales, they will sell but 50 head of cattle, which will consist of 36 cows bred or with calves at foot, and 14 bulls, ready for service. Breeders who have attended these sales in the past have been gratified at their success as well as pleased to get hold of good animals at reasonable prices. Miss Lou Goodwin, one of the two lady Hereford breeders in the State, will contribute some of the best animals in the sale. These cattle are in prime breeding condition and have been carefully selected by a committee of the association appointed for that purpose. Some of the most famous herd bulls known to the breed have had their homes in the county or else are represented by their descendants, and we earnestly urge our readers to attend this sale where their possibilities for selection from so many herds will be so good. Write to E. E. Woodman, secretary, Vermillion, Kans., for a catalogue and arrange to be present or send your bids to him or the Kansas Farmer representatives.

**The Armour-Funkhouser Sale.**

The Kansas Farmer is just in receipt of the catalogue of the Armour-Funkhouser sale of imported and home-bred Hereford cattle, to be held at the Kansas City sale pavilion on Tuesday and Wednesday, December 6 and 7. This little book makes most interesting reading to the lover of Whiteface cattle, as it is filled with the best pedigrees known to the breed, and as about half of the animals to be offered are imported. In this connection, it will be remembered that Mr. W. W. Gray, owner of the Wayside Farm, Fayette, Mo., will sell his great herd bull, 'Printer' at this sale. Messrs. Armour and Funkhouser having kindly allowed him this privilege. No two men have done more for the Hereford breed of cattle than have Messrs. Armour and Funkhouser, Mr. Armour, by his importation of the best animals to be found across the water, and Mr. Funkhouser by the remarkable success he has had in his breeding of prize-winning animals. Write to C. W. Armour, Kansas City, for catalogue.

**The Snyder Brothers Poland-China Sale.**

On Monday, November 28, at Winfield, Kans., Snyder Bros. and J. R. Cooper & Sons will hold a sale of their fashionably bred Poland-China hogs, in which sixty head will be disposed of. The sale will be held at the farm of J. R. Cooper, one mile north of town, and the offering will consist of bred and open gilts, and young boars ready for service. Snyder Bros. have long been known for the quality of their breeding herd, which is now headed by Simply O. K. 24290, a grandson of Chief Tecumseh 2d and Welch's Black U. S. He is assisted by Columbia Chief 25540, a grandson of Chief Tecumseh 2 and Ben Hur 2d 12055. Mr. Cooper's herd is headed by Arsenal 67169, a grandson of Chief Perfection 2d and Missouri's Black Chief. The terms of the sale are cash or six months' time on bankable paper. Mail bids may be sent to Col. J. W. Sparks, either of the consignors or the Kansas Farmer representative. Everything of breeding age in this sale is guaranteed to be a breeder. Remember the date and write to John D. Snyder, Winfield, for catalogue.

**Last Notice of International Shorthorn Sale.**

The catalogue of sale to be held during the great International Show, under the management of the American Shorthorn Breeders' Association, clearly indicates great excellence of breeding, and the individual merit of the cattle is what can justly be expected from such blood lines. The sale includes 60 head, 11 of which were imported and are the kind that Shorthorn breeders desire brought to this country, while some of the home-bred cattle at this sale are noted prize-winners at State and National shows. Notable examples of this class are the bulls Rolando and Nonpareil of Clover Blossom. Ten of the cows in this sale will be sold with calf at side and others will calve soon after the sale. This will be a very useful lot of Shorthorns and should attract those who want good cattle. The sale will be Wednesday, November 24, at 1 p. m. Catalogues sent on application.

**The American Shorthorn Herd-Book.**

The last edition of the American Shorthorn Herd-Book is now ready for distribution. This is volume 59 and contains 11,805 pedigrees of animals calved before April 6, 1904. Of this number 5,306 are bulls, bearing numbers 214519 to 219824 inclusive, and 6,499 of the total number are cows. This volume may be had by addressing Secretary John W. Groves, Live Stock Record Building, Chicago, Ill., and remitting the price, which is \$3.30 postpaid to non-members. Volume 60 is now in the hands of the printers.

**Gossip About Stock.**

T. K. Tomson & Sons, who have won so many honors in the show-ring, of late years with their young herd of Shorthorn cattle, are just issuing a special leaflet, which will in a measure be a private catalogue of their herd. We are told that this will be ready for distribution to interested parties in a short time.

J. B. Davis, Fairview, makes a new announcement regarding his Duroc-Jerseys. He has a few choice males ready for service, bred by a son of the champion of the American Royal Show held in Kansas City this year. These boars will be sold cheap as they must be closed out quickly. In writing Mr. Davis describe your wants and you may depend upon fair treatment.

The Kansas Farmer is just in receipt of Volume 26 of the American Hereford Record, containing entries from 105001 to 105000 inclusive. In glancing over the list of share-holders, it is a matter of satisfaction to note that Kansas has the longest list of any State in the Union in this great association. This volume is now

ready for distribution and may be had by addressing Secretary C. R. Thomas, Kansas City, Mo.

Mr. James A. Carpenter, Carbondale, Kans., who succeeded his father as a breeder of Hereford cattle, has decided to change his business relations and disperse his herd of pure-bred Herefords. He has announced this sale for December 15, to be held in the city of Carbondale, and we especially urge breeders and lovers of Hereford cattle to be present as there will undoubtedly be some snaps to be picked up here.

Mr. J. W. Myers, owner of the Klondyke Herd of Poland-China swine at Galva, Kans., held a sale of a draft from his herd on October 25, which proved to be very satisfactory to the owner. We do not have the details of this sale at hand but we learn that Grand Tecumseh 31561 brought \$118 and was the top of the sale. He was bought by W. H. Cottingham, of McPherson. Mr. Myers is evidently a good hog-breeder.

That splendid journal, the Western Fruit-Grower, has the following to say of our advertiser: "A. P. Tone Wilson, Jr., the real-estate man of Topeka, Kans., has attracted much attention in Kansas by his work. Mr. Wilson is conducting a real-estate business, extending over a wide territory, and has been singularly successful in this work. Those who are interested in buying or selling real estate should look up the advertisement of Mr. Wilson, in our 'Farms for Sale' department, and write for his plan of operation."

E. J. Knowlton, Central Kansas Stock Farm, Alden, Kans., has a nice bunch of Poland-China pigs for sale. His herd is headed by Brilliant Chief Junior 29865, assisted by R. O. Perfection, a grandson of Chief Perfection 2d. The sows in this herd are mostly of Perfection and Tecumseh breeding, though he has some Sunshine blood and also that of Corrector. Mr. Knowlton breeds for the big hams, good bone, fine head and ears and general symmetry, so much prized by Western breeders. His advertisement is in the special want column.

Gus Aaron, Route 5, Leavenworth, has always been a progressive breeder and the mere matter of dollars never stands in his way when he finds an animal that he needs in his herd. He now owns one of the best herds in the West and offers a bunch of young boars of April and May farrow sired by Beauty's Extension, whose portrait will appear in the Kansas Farmer next week, for sale. He has a number of bred sows and gilts of good colors, good bone, and good to fancy head and ears, for sale and his prices are reasonable. See his advertisement on page 1170 and watch for the picture of Beauty's Extension in next week's Kansas Farmer, because he also is for sale.

Mr. Chester Thomas, Waterville, Kans., has a lot of choice young Duroc-Jersey boars, sired by Kansas Wonder, a 900-pound son of the champion Missouri Wonder. A number of sows and boars sired by Oom Paul 2d, a number sired by Tip Top Notcher, the grand champion, and some by Ohio Chief. Missouri Wonder now is in use in the herd of Marshall Bros., Burden, Kans., and a son of Tip Top Notcher is at the head of Dulaney & DeBot's Maple Grove Herd at Wichita. It would be difficult to get a better combination of blood in one herd than is shown in this one where the herd-headers are all of prize-winning blood. Write to Mr. Thomas and get his prices.

Henry Avery & Son, the big Percheron breeders of Wakefield, are now issuing a beautifully illustrated catalogue of their horses, which will contain pictures of their World's Fair prize-winners as well as other members of the herd. It will show the entire young stud, headed by Jubilee 3311, on which they were awarded first prize. It will show the champion mare, Lena, who was also reserve grand champion; Lena and Mina, the champion pair in harness, who won the gold medal, and the yearling fillies, Fairy and Ada, who got the blue and red ribbons. After the World's Fair show, this young stud won new honors at the Hutchinson State Fair where Jubilee was accorded sweepstakes in a ring of six aged stallions, four of whom were imported.

David G. Page, who has made such a reputation as a breeder of Berkshire swine in North Topeka, has just engaged an expert herdsman and is planning to more than double his breeding operations in the ensuing year. Preparatory to this he has just secured a new boar, sired by Lord Lee 3d, who is a litter mate of Lord Lee, the great show- and breeding-boar belonging to Harris & McMahan, Lamine, Mo. Lord Lee is also a litter sister of Lee Duchess 6th, the dam of Mr. Page's new boar. This boar will be used on Black Robin Hood sows, which are bred very much like Springbrook Duchess by Black Robin Hood 66086 out of Berryton Duchess 66084. This gives him the blood of Lord Lee, Lord Premier, Baron Lee 4th, Victor Baron, Black Robin Hood, Imperial Duke, Longfellow's Model, and Duchess 221st, who was the dam of Masterpiece. You will hear something from this herd before long.

At the premier Poland-China sale held by Winn & Mastin, last week at Mastin, Kans., Mr. Leon Calhoun, of Potter, Kans., had the satisfaction of topping the sale when he bought Prince Darkness, a son of Chief Perfection 2d 21701, out of Darkness 122728, and paid \$275 for him. Good sons of Chief Perfection 2d are now rare and hard to buy, and Mr. Calhoun is to be congratulated on securing one of the best of them. Also in this herd is now to be found that grand old sire, Kansas Chief 23175 by Chief Tecumseh 2d, out of Ina Wilkes. This boar has long stood at the head of the herd of G. B. Scott, Carbondale, Kans., where he has proved to be one of the best sires that ever came to the State. Associated with these two is Perfection's Fancy Chief 29987 by Inez Perfection 25255 out of Chief 3d's Fancy (65508), both of whom are descended from Chief Tecumseh 2d. We do not know of a herd that is stronger in  
(Continued on page 1166.)

**One Good Paper Is Worth a Home Full of Poor Ones.**

THE BREEDER'S GAZETTE for 1905 will be the standard. It is the farmers and feeder's favorite newspaper. Free copy on application. Big Christmas number to all subscribers.

SANDERS PUBLISHING CO., 358 Dearborn Street, Chicago.

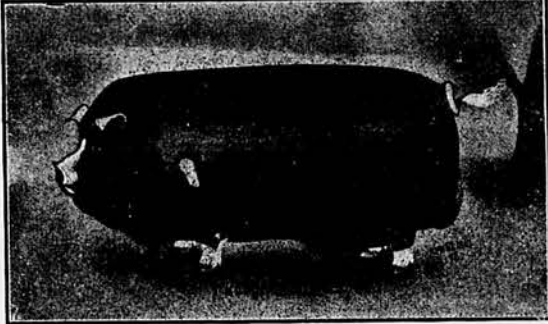
**Grand Sale of Champion Poland-Chinas**

**At Archie, Mo., December 6, 1904**

**25 HEAD** Contributed by Mr. A. E. Schooley, Austin, Mo.  
That were sired by or bred to Predominator, champion Missouri State Fair, 1902, and sire of Nonpareil, champion in 1904.

**25 HEAD** Contributed by Mr. J. R. Young, Richards, Mo.  
That were sired by Champion Missouri's Black Perfection, Chief Perfection 2d, Perfection E. L., and others.

**Predominator and Nonpareil Will Be Sold**



Ten tried brood sows, ten fall sows of great merit by Predominator, and twenty-five spring gilts. Five extra fall boars by Predominator and a splendid one by Missouri's Black Perfection. Plenty of others that can not be duplicated. We also have the blood of Ideal Sunshine, Keep On, Chief Perfection 2d, Perfect Perfection, and will sell the great sow Fancy U. S. 57512, dam of the \$750 Ideal U. S. and the \$400 Ideal U. S. 2d, and others. Send now for catalogue and be sure to be present. Archie, Mo., is on the Missouri Pacific Railroad.

**A. E. SCHOOLEY, Austin, Mo.**

D. P. MoCracken and H. O. Correll, Auctioneers.

**NOBODY LIKES IMPURE WATER!**

An unfailing supply of Pure Water for farm, stock or garden can be obtained from drilled wells.

**National Well Drilling Machinery**

is built in all sizes for all depths for drilling for Water, Oil, Gas or Minerals through any formation.

Ask for Free Catalog No. 7

**NATIONAL DRILL & MFG. CO., Chicago.**

**NO MONEY TILL CURED. 27 YEARS ESTABLISHED.**

**PILES**

We send FREE and postpaid a 232-page treatise on Piles, Flatule and Diseases of the Rectum; also 100-page illus. treatise on Diseases of Women. Of the thousands cured by our mild method, none paid a cent till cured—we furnish their names on application.

**DRS. THORNTON & MINOR, 869 Olive Street, St. Louis, Mo., and 1007 Oak St., Kansas City, Mo.**

**In the Dairy**

**Deductions from the St. Louis Cow Demonstration.**

EDITOR KANSAS FARMER:—Details of the performance of the dairy cows at St. Louis have been given the public in columns of figures that to many may have been confusing and to many others a nuisance. What the average busy cow-owner wants is the concise truth brought out by the St. Louis tests, and he is as a rule quite willing to let some one else do the thinking for him, provided the "other fellow" lays prejudice aside when he begins thinking. The writer believes in "every tub standing on its own bottom," and with the determination that the Jersey cow must "deliver the goods" in this event or take a secondary place to some other cow, he has done some thinking on the results, and his deductions may be acceptable to the cow owner referred to.

**THE JERSEY COW'S POSITION.**

The returns from St. Louis reaffirm her place at the top as an economical producer of butter-fat. They vindicate the claim of her admirers that she is the largest producer of butter-fat. (The "accident" of one Holstein leading by 32-100 pound of butter is disposed of further on.) As she led the Guernseys and Shorthorns at Chicago ten years ago, so she led the Holsteins, Shorthorns, and Brown Swiss at St. Louis. The Holstein herd is second to the Jersey herd at St. Louis. Twenty-five Jerseys made

more butter-fat per cow than the fifteen Holsteins, and did it at a greater profit. The lowest fifteen Jerseys beat the fifteen Holsteins.

This backs up the oft-repeated claim that "there are more of the right kind of dairy cows among the Jersey breed than among the others." The fifteen highest yielding cows in estimated butter are eleven Jerseys and four Holsteins. When net profit is figured up, the showing will be even more favorable to the Jerseys, for it is conceded that their food-cost per pound of butter-fat was lower than the other breeds.

It proved that the Jersey is not a small milker, some of the cows having milked as high as 60 pounds in one day, 18 of the 25 averaging from 40 to 47.7 pounds daily for four months, and the whole herd averaging 41.5 pounds for the entire period of the test.

It proved the Jerseys' persistency in keeping up a normal flow of milk, in the fact that their average for the entire period was within 2.3 pounds per day of their yield for the first ten days of the test, and that the average for the last ten days was within 6.3 pounds per day of the average for the first ten days. During the first ten days they averaged 43.8 pounds per day, during the last ten days 37.5 pounds.

It proved in a measure the claim that the Jersey is a 5-per-cent breed or over, on the average. I say "in a measure" because the test was not of long enough duration to get the average for an entire milking period. They started with an average for the herd of 4.2 per cent fat in their milk, gradually growing richer until the last day when they averaged 5.1 per cent, averaging for the whole period 4.8 per cent. Let the Babcock be put to them for the rest of their milking-period and see if this herd of representative, deep-milking Jerseys will not average nearer 6 per cent on the year.

**WHAT IT MEANS TO THE JERSEY BREED AND TO JERSEY BREEDERS.**

The practical results should add to the popularity of Jersey cattle and stimulate the demand for Jersey blood. If, as has been claimed, there are those who have not been convinced of the Jersey's superiority by previous performances, both private and public, they have in this demonstration "official" evidence of just what can be expected of representative Jerseys, regardless of family, strain, or nativity. While the Chicago record was the cause of a revival in Jersey interest, the St. Louis one is so far ahead in milk, in per cent of fat, in pounds of fat, and consequently in net profit, that it gives the careful breeder of Jerseys a fresh and stronger claim upon the patronage of high-class dairymen.

The St. Louis records come nearer supporting the larger private tests than any public event has previously done. Here a herd of 25 Jerseys developed a twenty-pound cow, two nineteen-pound cows, an eighteen-pound cow, seven seventeen-pound cows, and the whole herd averaged nearly 16 pounds every week of the test. If this is possible with twenty-five cows, why should not a hundred thousand cows turn out the much smaller proportion of twenty-pound cows that have been developed in home tests? At St. Louis no attempt was made to push any cow for a large week's performance, and it is probable that many of these cows could have been forced for seven days, just as a horse is forced for a two-minute sprint, and equaled some of the highest home records. But the criticism which would follow, that "she couldn't do it for a year," is about as pertinent as to say the horse could not go a two-minute clip all day. Briefly, the most important thing to the Jersey breed and breeders, the St. Louis records have verified about every representation made in regard to the Jersey breed.


**THE HOLSTEIN COW'S POSITION.**

She stands second among the four breeds competing at St. Louis. She proved her claimed ability to produce large quantities of milk at flush. With

**Sharples Tubular Separators**

**Tubulars Find Gold in Milk**

Good butter is worth 20 to 30 cents a pound. Butter is worth only one cent a pound as stock food, yet farmers using gravity skimmers—pans and cans that leave half the cream in the milk—feed that half the cream to stock, then wonder why dairying don't pay. Can't find gold without digging. Can't make dairying pay big profits without getting all the cream.



**TUBULARS Dig Right Down**

to the paying level—squeeze the last drop of cream out of milk—make dairying pay. Tubulars are the only modern separators. The picture shows them. Write for catalogue G-165.

The Sharples Co. Chicago, Ill. P. M. Sharples West Chester, Pa.

**WE DON'T ASK YOU TO BUY AN EMPIRE CREAM SEPARATOR**

on faith, but we do suggest that it is the part of wisdom to investigate our claims before buying any other. **It Costs You Nothing**



to investigate, and it helps you to buy more intelligently. We only ask for a chance to show you. Send for name of nearest agent. Catalogue and dairy booklet free.

**Empire Cream Separator Co.,**  
Bloomfield, N. J.,  
Chicago, Ill.,  
Minneapolis, Minn.

**1904 PRIZE WINNERS**  
**National Buttermakers Convention**  
**ALL DE LAVAL USERS**

The Annual Convention of the National Buttermakers Association was held at the St. Louis Exposition the last week in October. The great International Butter Contest has always been the chief feature of these conventions, and in every year since their inauguration, in 1892 DE LAVAL separator butter has made a clean sweep of all awards and all higher scores. 1904 shows even a more overwhelming DE LAVAL triumph than ever before.

**PRIZES AWARDED**

CHAMPIONSHIP CUP—H. C. HANSEN, Smith Mills, Minn.  
GOLD MEDAL—L. S. TAYLOR, Glenville, Minn.  
SILVER MEDAL—F. L. ODELL, Greenfield, Iowa.

In addition, all the Silver Cups to highest scoring exhibits from the different States went to DE LAVAL users, and every single entry scoring higher than 85 was DE LAVAL made.

The use of a DE LAVAL CREAM SEPARATOR means not only MORE but BETTER butter than can possibly be made in any other way under like conditions.

Send for catalogue and name of nearest local agent.

**THE DE LAVAL SEPARATOR CO.**

Randolph & Canal Sts., CHICAGO.	General Offices: 74 CORTLANDT STREET, NEW YORK.	121 Youville Square, MONTREAL.
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9 & 11 Drumm Street, SAN FRANCISCO.		248 McDermot Avenue, WINNIPEG.

**U.S. CREAM SEPARATOR**

**CAN STAND THE SEARCH LIGHT OF INSPECTION**



**OTHER SEPARATORS** do well sometimes, but **DO NOT AVERAGE TO SKIM** as close as the U. S.

**THE U. S. HOLDS WORLD'S RECORD**

**BEST SKIMMING** for 50 consecutive runs: average .0138.

Gearing is all enclosed. Solid frame, has no joints to work loose.

Special catalogue telling you all about the superior construction of the U. S. that enables it to attain such an enviable and unequalled record; send for it to-day. Address

**THE VERMONT FARM MACHINE CO.,**  
Bellows Falls, Vt.

379 Transfer points in all parts of the country.

**Best Butter-Fat Market in Kansas**

We will pay for butter-fat in first quality cream 23 cents, which is 1 1/2 cent higher than the New York market at the present time. All express charges paid to Winfield and empties returned free of charge. A trial shipment will convince you we have the best butter-fat market in Kansas.

**THE J. P. BADEN PRODUCE CO.,** Winfield, Kansas.

fifteen picked cows they went fresh into the test, milking an average of 64.1 pounds per day and by the end of the test had fallen off 15.6 pounds per cow for a day. Their milk tested 3.3 the first day and 3.8 the last day. They averaged 12 1/2 pounds fat less per cow than the 25 Jerseys did, and 15 pounds less estimated butter. The 15 Holsteins made 29 pounds less butter-fat per cow than the 15 best Jerseys did. Only four of the Holsteins finished among the 15 best cows in the test, in yield of estimated butter, and the cost of production will probably reduce that number.

One Holstein cow led the highest Jersey by 32-100 of a pound in 120 days, with the Jersey gaining on her every day after a feeder in the Holstein barn had been discharged for irregularities in feeding. But suppose this high-testing Holstein (which fell off from something like 72 pounds of 4 per cent milk to about 60 pounds of 3.2 milk immediately the feeder left) did not gain an unfair lead in the start? Suppose we grant her early work was fairly accomplished? Where would she have stood in the year? One more milking and the Jersey would have passed her in gross product, and actually does lead her in net profit. The fifteen lowest Jerseys lead the fifteen Holsteins in butter-fat and net profit in producing it.

When the cost of production is counted it will be still more apparent

that even for the flush period of this test the Holstein stands second to the Jersey. And the way she was falling off, compared with the Jersey's persistency at the close, makes it certain the Holstein would be away in the rear on a year's work. And this does not show the superior quality of the Jersey butter when churned, as the test was in estimated butter alone; though in estimating the butter Professor Farrington recognizes that the fat in Holstein milk is less of it available than is that in Jersey milk. He knows that the richer the milk, the larger percentage of its butter-fat is recoverable in the churn, and in his method of estimating butter from the Babcock test he has a sliding scale for overrun that gives Jersey butter a greater gain than the lower testing breeds.

In gross product of butter-fat, in net profit on butter-fat, and in persistency in flow of milk, the position of the Holstein is second to the Jersey, as shown by the St. Louis test.

**BROWN SWISS AND SHORTHORNS.**

Neither of these breeds has made any pretensions as rivals of the Jersey as strictly dairy cows, though some claim has been made as to the profitableness of their combined dairy and beef features. The dual-purpose business, however, has so limited a field where it is profitable, that is hardly worthy of consideration by people who make dairying the end of profit from their farms. Very few dairy-men care anything about the beef feature of the cows they milk, and I think it will be just as well for the dairy business if none of them did.

In the St. Louis test the five Brown Swiss cows gave an average of 43.8 pounds milk for 120 days, 1.58 pounds butter-fat and 1.84 pounds estimated butter, per cow per day. They milked an average of 50.6 pounds at beginning of test and 39.5 pounds the last day, their yield of fat for corresponding days being 1.681 pounds and 1.59 pounds per cow.

Twenty-five Shorthorns went into the test milking 37.7 pounds average, and on the last day 24 cows averaged 31.9 pounds. They averaged 1.36 pounds fat the first day and 1.28 pounds per cow the last day. Their average yield per cow daily, for the entire period of the test, was 40.33 pounds milk, showing a much larger yield between the first and last days of the test.

**WHAT IT MEANS TO THE DAIRY FARMER.**

A prominent dairy paper recently said: "The mind of the dairy farmer must be constantly on the alert in these days to see and adapt, as it is being developed, the dairy truth to his use."

If the dairy farmer could not see the truth before, he certainly can see it in the St. Louis dairy demonstration records. Here have been tried out a sufficient number of representative cows, of the four breeds, for him to decide just what to expect of fair representatives of each under proper condition of handling and feed.

He finds the Jersey a deeper milker than he ever thought she was, and as rich a milker as she has ever been represented.

He finds her persistent, keeping close to her flush yield when six, seven, and eight months after calving.

He finds her the most economical producer of butter-fat, as well as the largest producer of that most valuable constituent in milk, and finds enough assurance in the four months of her trial to convince him that she will keep up that profitable yield for a longer period than the other breeds.

He finds the Holsteins yielding milk of an average richness that will not pass the standards set by some State and municipal authorities, rendering the seller liable to arrest and fine.

He finds the Holstein losing an average of 15 pounds milk a day per cow after they have been in the test four months, beginning practically fresh.

He finds that, instead of 70 to 80 pounds milk a day, they average for the four months of their flush period

only 53½ pounds, and test about 3.4 per cent fat.

There is no need for further quibbling. "The best cow" is an established fact. She has been for fifty years in the minds of tens of thousands who are using her in profitable practical dairy work, and the St. Louis reports will convince those who have not tried her. The good Jersey is that cow, and there is no reason, that we can now see, why any intelligent cow-owner should not buy, build and breed up a herd of as uniformly high producers as the twenty-five Jerseys at St. Louis. There is nothing wonderful about it. Jersey blood, weeding out the low-testing cows, with good care and feed, will do it.

This is the dairy truth that has been demonstrated at St. Louis for dairy farmers, and they should "adapt it to their use." HARRY JENKINS. Indianapolis, Ind.

**Balanced Ration for Milch-Cows.**

Will you please tell me whether you consider the following a well-balanced ration for milch cows in the winter: Three quarts of wheat bran, 3 quarts of corn-chop, and 1 pint of linseed-oil meal; for roughage, prairie hay, sorghum-fodder and Kafir-fodder, the above to be fed twice a day? Would two pints twice a day of the linseed-oil meal be too much?

RALPH ROBINSON.

Douglas County.

A quart of wheat bran weighs ¾ pound, a quart of corn-chop, about 1½ pounds, and 1 pint of oil-meal will weigh about ¾ pound. I infer from your letter that this is only half of the daily ration, therefore the ration you are feeding would consist as follows, by pounds: Four and one-half pounds of bran, 9 pounds of corn-chop, 1½ pounds of oil-meal and probably about 15 pounds of roughage. The digestible nutrients in this ration are shown in the following table:

	Dry matter.	Protein.	Carbo-hydrates.	Fat.
Bran, 4½ lbs....	3.98	0.590	1.804	0.153
Corn-chop, 9 lbs.	8.02	0.711	6.003	0.387
Oil-meal, 1½ lbs.	1.36	0.434	0.490	0.117
Prairie hay, 15 lbs....	13.12	0.450	6.688	0.224
Total.....	26.48	2.175	14.985	0.881
Nutritive ratio, 1:7.7.				

The nutritive ratio is slightly wider than is called for by the German standards, but with the feeds available in Kansas it is possible to use a wider ration with good success. Unless your cows are giving very large quantities of milk, the above ration is a little heavier than it would be advisable to feed. For cows giving 20 pounds to 25 pounds of milk daily I would suggest the following ration:

	Dry matter.	Protein.	Carbo-hydrates.	Fat.
Bran, 5 lbs.....	4.42	0.645	2.005	0.170
Corn, 6 lbs.....	5.35	0.474	4.002	0.258
Oil-meal, 1 lb....	0.91	0.293	0.327	0.078
Prairie hay, 15 lbs....	13.12	0.450	6.688	0.224
Total.....	23.80	1.862	13.022	0.730
Nutritive ratio, 1:7.9.				

You will note that the corn has been somewhat decreased and less oil-meal fed, oil-meal being the most expensive feed which you will have to purchase. If your cows are producing more heavily of milk than 25 pounds it would be advisable to slightly increase the bran and possibly the oil-meal, although I should not vary the proportions suggested to any great extent. In the table I have given, prairie hay is the sole roughage. In practice you will undoubtedly find it more satisfactory to feed a variety as better results may be obtained in this way. The digestible nutrients in cane and Kafir-fodder are very similar in amounts to prairie hay, so the table gives a fairly accurate idea of the composition of the ration. If you wish to feed for very high ideals of milk without reference to the ultimate profit, you would get better results by feeding more heavily of oil-meal, but for every-day practice I would not recommend the feeding of as much as three pounds of oil-meal per day at present prices.

In feeding your cows you will undoubtedly find that some of them tend to increase in body weight. These

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cows should not be fed as heavily on concentrates or else reduce the amount of corn in the ration. The cows which continually respond to increased grain-ration by increased milk-production may profitably be fed more grain until the limit is reached. It is only by watching the cows individually that you can determine how to feed each cow. It is impossible to feed a whole dairy herd from one formula. This of course calls for some

work, in keeping a record of what your cows are producing, but if you wish to make a thorough success of dairying you will find this absolutely necessary.

It is only by careful attention to these little details in feeding and milking cows that the greatest profit can be made from the business.

G. C. WHEELER, Assistant in Feeding Experiments, Kansas Agricultural College.

# The Poultry Yard

CONDUCTED BY THOMAS OWEN.

## Facts About Eggs.

The uses to which eggs can be applied are almost infinite, as can be seen by reading an article on "Eggs and Their Uses," by a lady in Michigan, who won a prize for writing the same. The following extracts from the article contain many valuable suggestions:

The yolk of egg alone is the better for invalids and will be frequently relished when the white would be rejected.

When cream can not be procured for coffee, the yolk of a soft-boiled egg is a very good substitute.

To prevent the juice of fruit pies from soaking into the bottom crust, wash the crust over with a beaten egg before putting in the fruit.

When making frosting in warm weather, set the whites of the eggs on ice for a short time before using. If the eggs you have to use for frosting are not quite as fresh as you could desire, a pinch of salt will make them beat stiffer.

The white of an egg, an equal quantity of cold water, and pulverized sugar sufficient to make it the required consistency, makes a frosting which is very nice, and as it requires no beating is very easily made.

When beaten eggs are to be mixed with hot milk, as in making gravies and custards, dip the hot milk into the beaten egg a spoonful at a time, stirring well each time, until the eggs are well thinned, then add both together; this will prevent the eggs from curdling.

It is often a question what to do with either the whites or yolks of eggs which are sometimes left over after making cake, frosting, etc. Either will keep well for a day or two if kept in a very cool place—the yolks well beaten and the whites unbeaten.

Whites or yolks of eggs may be used with whole eggs in any cake or other recipe calling for eggs, counting two yolks or two whites as one egg.

Sort out the little eggs and keep them for settling coffee, using the larger ones for cake.

When eggs are cheap and plentiful in summer, wash all those used in cooking before breaking. Save the shells and when a quantity are dry, crush them fine; beat half a dozen eggs and stir them into the shells. Spread them where they will dry quickly and when thoroughly dry put in a thin cotton bag and hang in a very dry place. In the winter, when eggs are scarce and dear, a tablespoonful of this mixture put in a cup, a little cold water poured over it and left to stand over night or for half an hour or so in the morning before breakfast, will answer every purpose of a whole egg in settling coffee.

Egg stains can easily be removed from silver by rubbing with a wet rag dipped in salt.

To clean vinegar bottles and cruets, crushed egg shells in a little water are as good as shot, besides being healthier and handier.

To mend broken china, use a cement made by stirring plaster of paris into the white of an egg.

An egg well beaten and added to a tumbler of milk well sweetened, and two tablespoonfuls of best wine, is excellent for feeble, aged persons who can take little nourishment.

Eggs are valuable remedies for burns and may be used in the following ways: The white of the egg simply used as a varnish to exclude the air; or, the white beaten for a long time, with a tablespoonful of fresh lard, till a little water separates; or an excellent remedy is a mixture of the yolks of eggs with glycerine, equal parts; put in a bottle and cork tightly; shake before using. It will keep for some time in a cool place.

For inflamed eyes or eyelids, use the white of an egg beaten up to a

froth with two tablespoonfuls of rose-water. Apply on a fine rag, changing as it grows dry; or stir two drams of powdered alum into the beaten whites of two eggs till a coagulum is formed. Place between the fold of a soft linen rag and apply to the eggs.

For a boil, take the skin of a boiled egg, moisten it and apply. It will draw off the matter and relieve the soreness in a few hours.

To cleanse the hair and promote its growth, rub the yolk of an egg well into the scalp, and rinse out thoroughly with warm water.

The egg of the turkey is nearly as good as that of the hen, and that of the goose is preferable to either for all culinary purposes. Ducks' eggs have a richer flavor, but are not as desirable to eat alone; they are, however, as good for all purposes of cookery, and for custards and puddings superior to any. The eggs of the guinea-hen are also good for eating and all culinary purposes.

## Poultry Notes.

Now is the time to prepare your fowls for the coming poultry shows. There are several details to be attended to that can not be done in a moment's time. If the fowls show any tendency towards scaly legs, it takes two or three weeks' time to get them in proper condition. They should be greased with some kind of fat or oil, in which a few drops of carbolic acid are mixed. After the scales are off, the legs should be rubbed with sweet oil a number of times till they are smooth. If the fowls are underweight, or not through molting, they should be fed the most fattening and substantial food you can secure. It is folly to send a fowl to a show-room that is a pound of two underweight, to be cut two to four points for weight alone. The fowls should be placed in coops occasionally so as to accustom them to confinement and keep them from being wild when the judge comes to look at them. All these little details should be attended to now and it will most certainly enhance your chances of winning a prize at the show.

As to show-coops, if one's time is fully occupied, it will be far cheaper to buy coops of some desirable kind than it is to make them; but there are those with plenty of leisure, who, instead of counting their time at a fixed price, will consider building coops a mere pastime. Persons can generally build coops for less actual outlay than the price of ready-made ones; and if the home-made production really does cost the most, the builder has some satisfaction in constructing them. But beware of hiring a carpenter to build coops and paying him by the day. The cost will be several times what ready-made ones will be and not look so neat, either.

Some farmers make it a practice to keep their poultry in the orchard from early spring until cold weather sets in, and they find it pays. A picket or wire fence should be built around the orchard, high enough to keep the fowls from flying over, with suitable buildings in one corner of the yard to shelter them at night. Thus situated, the poultry will thrive and prosper, keeping themselves in good condition and the increase of eggs will be greatly augmented, and their usefulness enhanced by the destruction of myriads of insects and worms which otherwise would damage the fruit, and which will more than repay the cost of building the fence. By keeping them enclosed in this manner, a large number of fowls may be retained in the orchard, and the continual scratching which is done by them will prove advantageous both to the soil and to the trees.

## To Curdle Sweet Milk for Chickens.

EDITOR KANSAS FARMER:—Please tell me how to curdle sweet milk for chicken-feed. I see frequent reference to it but do not know how it is curdled.

MRS. SLATER.

Mercer County, Ohio.  
Answer.—To curdle sweet milk rennet is used. This can be bought in tablet form. A cheaper way is to let the milk get scur, by keeping in a



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warm place or adding some acid to it, such as vinegar, or lemon-juice; then place the milk-pan on the back part of the stove, where it can heat slowly and it will soon turn to curds and whey.

## Poultry Food.

A study of the combinations for live stock which breeders make would be of value to the poultryman, for it is on the same principle of selection and combination that we arrive at the ideal food for the chickens. Specific results are desired from the fowls at different seasons of the year, and consequently, different rations must be fed to them. Winter food for them must be such as will generate heat enough to keep them warm. We know that the ideal food for this, then, must be rich in carbohydrates, which store up heat and fuel in the fatty substance which it forms. Corn, barley, rye, and potatoes, all contain considerable of carbohydrates, and they become essential parts of the winter food. But the production of eggs is the specific duty for which the fowls are kept in the winter time and we must add to this first class of foods something which will act directly upon the egg-producing capacity of the fowls. Albuminoids are the essential foods to form eggs. Anything that goes to make tendons, ligaments and flesh will also make eggs, but enough must first be taken into the system to form the first function, and then all that remains will go to egg-making. Lean meat, the curd of milk, wheat, oats, and buckwheat, all contain albuminoids, and they help to increase the power of egg-laying among poultry.

The division of the food for the fowls will make it an easy matter to feed them intelligently. When winter passes away, less heating food is needed, and the fowls will find grass and vegetables more palatable. These are also egg-producing articles and hence the great number of eggs which they lay in summer. It is said that whatever will increase the flow of milk in a cow will also increase the power of egg-making in poultry. Young, growing chickens, which are rapidly making bone, muscle, and feathers, need foods that contain quantities of both carbon and albumen. The right combinations for them can easily be selected when this is understood. In fact, any one can easily study the needs of the chickens in this way, and feed them intelligently, if he comprehends the meaning of food and the functions which the different rations perform.—American Cultivator.

## Every Broad-Minded Citizen

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### The National Grange.

The National Grange opened its thirty-eighth annual session to-day at 11 a. m. Twenty-seven States were entitled to representation. Worthy Master Aaron Jones gave his annual address, which in part is given below.

The city of Portland has been very generous in its hospitality to the members and visitors of the Grange. An enthusiastic reception was given in the evening. The address of welcome by Governor Chamberlain was eloquent and proved to us that Oregon has in its highest executive officer a man who realizes the importance of agriculture and the needs of its people and who will do all in his power for the promotion of the interests represented at this meeting. E. W. W. Portland, Oregon, November 16.

### NATIONAL MASTER JONES' ADDRESS.

To the Officers and Members of the National Grange:

We have assembled in annual session for the first time in the history of our order in the beautiful city of Portland, the commercial metropolis of Oregon, situate in the Willamette Valley, famed throughout the world for the fertility of its soil, its picturesque scenery, its pleasant homes, and the enterprise and energy of its people. There are more States represented by delegates than ever before assembled at any meeting in this city. Every New England State is here, the Sunny South, as well as the Central agricultural States. We come as representatives of the greatest industrial interest of the most prosperous and successful Nation in the world. Agriculture was through all ages of the past, and will continue to be through all time to come, the one indispensable industry. Its progress, its development, its success, indicate the advance of civilization and underlie and support all commercial interests. All the people of the world depend for food and comforts of life on successful husbandry. Our organization is the largest and most influential organization representing this basic industry in the world.

We are not surprised that the patrons of the Pacific States and the citizens of Oregon, Washington and California unite in extending to us a cordial and hearty welcome. With their warm hearts, genial natures and material interests, they could not afford to do otherwise.

Our order is a National one, National in all its work, knowing no North, no South, no East, no West. United by the silken cord of fraternity, it is laboring to make happier and more prosperous homes on the hills and in the valleys of New England, amid the sugar, rice- and cotton-fields of the South, the corn, wheat- and pastoral-lands of the Central States, as well as to increase the sunshine and prosperity of the farm homes of our brothers and sisters who live in the fertile valleys fanned by the breezes of the Pacific Ocean. It is the purpose of this great fraternity to increase happiness in the 5,800,000 farm homes, and make

agriculture more prosperous in all parts of our glorious country. It has still higher and grander objects, among which are, to elevate the standard of intelligence among the farming population; and to inspire in them more exalted ideas of citizenship.

### WHAT IT TEACHES.

This organization is one of the great educational forces that teaches, among other things, that honesty, fair dealing, giving value received in all exchanges, industry, frugality and thrift, and observing the Golden Rule, are essential characteristics of good citizenship, setting its seal of condemnation on all forms of fraudulent practices, extortion or robbery, whether done under the forms of law, by combination, monopoly or trust methods, or by the more vulgar practice of common stealing, thus building up a public sentiment that will ostracize the man or corporation that amasses millions of dollars in any other, than by honorable methods, based on the principle of giving value received for all labor or articles of value.

Successful agriculture can not be secured by physical labor alone. The methods of the past will not win success now. Past methods have exhausted the fertility of the soil to an alarming extent. Such system must be adopted as will restore lost fertility and increase it. The Grange is the school where this system should be taught. This implies, which is true, that successful agriculture has been transformed from a business of physical labor mainly, to one dominated by intellectual forces, knowledge of the great laws governing soil management, vegetable and animal growth, applied science in the culture of land, breeding and feeding of domestic animals. The farmers of to-day and the future must be students, and the Grange the school, the medium for the exchange of information and methods between farmers, and all may profit by the knowledge gained by each. This is practical cooperation, that is profitable alike to farmers and to all people.

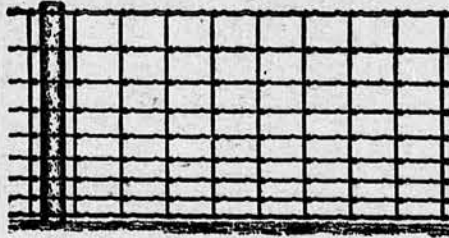
Successful agriculture does not depend alone on methods of culture. Distribution and sale are equally important factors in profitable agriculture. Economy in distribution is as important as in production. Expensive methods must be dispensed with from the time the seed is planted until the finished product is placed in the hands of the consumer. Excessive commissions, storage, transportation, taxation and other charges must be dispensed with, and better methods inaugurated, if the farmers of to-day and the future are to enjoy their full share of what the harvest yields. Farmers of the past have allowed others to attend to distribution and sale, and make all rules relating thereto. This mistake must be corrected, and farmers must do it. Unorganized farmers are powerless, in this age of organized finance, commerce, manufacture and labor, with their solidly united groups, boards of trade, chambers of commerce, and united forces. Hence this duty devolves on the Grange, the only great National organization of farmers.

### EXHAUSTING THE SOIL.

The American farmers are face to face with a system of farm management that exhausts the fertility of their soil from year to year. They are face to face with a scale of exchange values of commodities, professional and official salaries relatively too high as compared with prices of farm products. The one must be lowered or the other raised, or farming will cease to be a profitable or an honorable business. These conditions are serious and menace our republican institutions. Where farming is debased and made unprofitable, and the wealth of a country passes into the hands of the few, where land ceases to be cultivated by its owner and is managed by tenants, such conditions always mark the beginning of the end. The history of the Old World furnishes examples that should be a sufficient warning to our country. Those empowered to make our laws, the executive and courts who are charged with their en-

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It costs more money to manufacture a heavy fence than a light one; yet pound for pound our fence is cheapest per rod. With this extra weight comes extra strength, durability, fine appearance and lasting quality.



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Weights more to the running rod than any fence manufactured, and this is one of the several important points of superiority of our fence over all others. When you buy fence you should be sure to serve your own best interests and at least examine the AMERICAN. Compare it with all others on the market; we will abide by the results of the comparison.

There is a responsible dealer in every town handling American Fence—hunt him up, and he will show you the fence of responsibility, the fence that lasts, the fence that will look well, the fence that will hold, the fence that will turn everything, except wind and water.

We have a Fence Book that tells a lot of things you should know about a good Woven Wire Fence. It tells how to choose the best; it tells how to put up a fence; it gives you details as to the kind and size you should buy for all purposes—and a lot of other things that are important.

By all means drop us a line and get this book. It is free on request. Write today.

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### THE MOUNT HOPE NURSERIES

of LAWRENCE, KAS.

Solicit correspondence and list of wants from all prospective purchasers of nursery stock. Complete line of Fruits and Ornamentals. APPLE and PEACH ORCHARDS A SPECIALTY. Good local and traveling salesmen wanted. Liberal pay. Address, A. C. GRIESE, Proprietor.

## ALFALFA SEED for FALL SEEDING

For many years we have made alfalfa seed a specialty, wholesale and retail. Seed is fresh and reliable.

McBETH & KINNISON, Garden City, Kans.

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## SEEDS

forcement, should see that unjust combinations and unfair conditions should not secure a permanent foothold in America. Special privileges and monopolies must be stopped. It must not be forgotten that the prices of staple agricultural products are fixed by a world-wide competition. Cheap lands, cheap transportation, low taxes and the cheapest labor of the world are engaged in producing staple agricultural products, with which the American farmer must compete.

Under our American system, capital employed in manufacturing and every other branch of productive industry has some protection against the cheap labor of the world. Farmers must insist on equal favors from the Government, and protection from discriminations in transportation and unequal taxation.

Farmers must farm better, put more of their land into meadows and permanent pastures, grow more stock, make, save and apply more manure, plow less, cultivate better, grow larger crops of better quality, and prepare them to meet the demands of the market; grow relatively less of the staple agricultural crops the prices of which are fixed by the peons and serfs of the cheap lands of the world. Farmers should realize that it is more profitable to allow a part of their land to lie in permanent pastures than to grow crops and sell for less than cost. Mines are closed, and the wheels of factories cease to revolve when they cease to yield a profit. Why should not farmers act on the same principle?

I am pleased to note that the order has prospered and grown during the past year, broadened its influence and extended the scope of its work. Goodwill and unity of purpose prevail throughout its past membership.

The methods so successful in the past should be continued. Grange literature should be more widely and generously distributed. The National Grange Quarterly Bulletin should be continued and its circulation increased, a free copy mailed to each Grange officer in the United States, and the active cooperation of every Grange solicited to extend its circulation.

The Grange, the agricultural and local press have all done much to advance the work of the order and to ex-

best by Test—75 YEARS. We PAY CASH WANT MORE SALESMEN Weekly Stark Nursery, Louisiana, Mo.; Huntsville, Ala.

### ALFALFA SEED

New crop bright clean, vital seed. Write for price. GEO. H. MACK & CO., Garden City, Kans.



### TREE PROTECTORS

75 cents per 100; \$5 per 1,000. Send for descriptive circular and testimonials. We have a heavy surplus of all kinds of Nursery Stock to offer for fall. Get our prices. We will save you money.

Hart Pioneer Nurseries  
Box 20. FT. SCOTT, KANS.

tend its influence. Every member of our order should cooperate with the press that is friendly to our cause, liberally supporting it in every way. We hope to see agricultural and Grange departments in all papers. Such departments and such cooperation will be mutually advantageous and will better agricultural conditions and promote all the industrial and material interests of our country.

Since our organization was founded to meet conditions essential to public reform a generation has passed, crowded with greater advancement than any similar period in the world's history. It was consecrated to develop the best social conditions, to foster and promote good citizenship, to develop agriculture, to secure equity in the business relations of the agricultural classes with the industrial and commercial interests of our country. It has gone steadily forward on its mission, its standard has been held high by the clean hands and honest hearts of good men and women, devoted to principle, above sordid and selfish ambitions.

We contemplate its glorious record of usefulness and beneficence with emotions of thankfulness and pride. No pen can fully describe, no words of mine can picture the thrilling joys, the happy emotions inspired and promoted in the hearts and in the happy homes of the hundreds of thousands of its members scattered throughout our country.

Farmers should press their claims from year to year until the legislation sought is secured, and hold their Representatives in State Legislatures and

In Congress officially and personally responsible for their action on all measures affecting agricultural interests. The road to success in legislative matters is found only in remaining courteous, persistent, firm, and unyielding in demands, and emphasizing them with all the power we possess as citizens.

I congratulate the order on its steady, consistent course, standing practically unanimous, from year to year, for its demands; and the growth of public sentiment indorsing these demands as just and right. Such a record is gradually establishing for our order its high character, and accounts for its wonderful influence in National affairs.

In conclusion, I desire to say, there are a great many subjects I might with propriety have discussed. Many of them I have discussed at length in previous addresses. With additional experience, more mature deliberation, and the lapse of time, I am more fully convinced than ever that the arguments then made and the position taken by the Grange on all of those great questions, were right, and to the best interest of our order, our country, and mankind. It affords me great satisfaction to congratulate the order on its sound, consistent and steadfast course on all important questions relating to our order and our country.

**FROM THE CITY TO THE FARM.**  
(Continued from page 1149.)

a better animal at a bigger price. His herd is now headed by the magnificent Cruickshank, Prince Consort 187008, sired by Imported Prince of Perth 153879 and out of an own sister of Lavender Viscount 124755. Prince Consort was bred by Chas. E. Leonard and is a fine representative of long lines of breeding for perfection.

The Aylsdale Herd is a new one but it is destined to make a record of which the owner will have as great cause to be proud as he has of the fine appearance of his premises or of his success as a merchant before he became a farmer.

An interesting fact about this neat and tasty farming is that it is paying a fair interest on the investment.

**COLLEGE BOYS AT THE INTERNATIONAL.**

The great International Live Stock Show will open at the Chicago Stock Yards to the general public on Monday, November 28, but will be open on Saturday, November 26, for the students' judging contest in which the students of the various agricultural colleges will compete for the Spoor Trophy and other prizes offered them for judging in live stock and corn-breeding. The Kansas Agricultural College will be represented this year by Prof. R. J. Kinzer and a part of his class. Those selected for the team in the judging contest are as follows: R. R. Birch, Topeka; H. A. Ireland, Bronson; G. O. Kramer, Wabauensee; F. E. Balmer, Woodston; and F. W. Wilson, Hill City. We sincerely hope that the railroads may be induced to offer special concessions in the way of rates to these students in order that a larger number may be present. Attendance at a great exhibition like the International is of more immediate value to them than would be many weeks of school work. Kansas stood second in the contest last year and but for a technicality would have been first. This year we hope to see her land the Spoor Trophy.

**Edmund McLatchie's Experience With Dr. D. M. Bye's Combination Oil Cure for Cancer—What It Did for Him.**

Afton, Wyo., May 25, 1904.  
Dr. D. M. Bye Co., Indianapolis, Ind.  
Dear Sirs:—I received your letter of May 20th to-day. I will state the reason why I have not ordered more of your treatment, and that is—the cancer, which was on my lip, is gone entirely. I applied the oils the first time on the 8th of March, and in one week from that time it was gone, leaving a small hole in my lip, which is now filled up, and my lip is just as sound and healthy as it ever was; and all this was done within a month, so that it is now nearly two months since it got well; and Dr. Bye, I consider you are a poor man's friend, and I will ever praise and remember your kindness. You can use any portion of this letter for pub-



lication, if you wish to do so. Yours gratefully,  
EDMUND McLATCHIE.  
This combination of soothing and balmy oils readily cures all forms of cancer and tumor. It is safe and sure, and may be used at home without pain or disfigurement. Readers should write for free book to the originators, whose Home Office address is Dr. D. M. Bye Co., Drawer 505, Indianapolis, Ind.

**Gossip About Stock.**

(Continued from page 1161.)

this line of breeding, nor do we know of one where these blood lines can be duplicated, and our readers will doubtless watch with interest for the forthcoming announcement of Mr. Calhoun's brood-sow sale, which will be made soon.

Col. F. M. Woods, who has long ranked as one of the authorities on pure-bred live stock, and whose judgment is valued highly by breeders of all classes of stock, writes from his home in Lincoln, Neb., as follows: "I have carefully examined the last importation of draft-horses brought over by Joe Watson for Watson, Woods Bros. & Kelly Co., and I can freely say that they are the best lot of draft-animals I ever saw together. I never, even at Chicago at their annual shows nor at the big draft-horse establishments, saw anything like them. I believe they are the best lot of horses that ever crossed the Atlantic in one boat. This firm has been in business for a number of years, but this is the first time that I have, for reasons personal, publicly or privately spoken of their horses, but after seeing this last lot, I could not keep still. I believe that Joe Watson is by far the best judge of draft-horses in the United States."

W. B. Van Horn & Son are one of the breeding firms that are successful. This is because they have the right kind of Poland-Chinas to sell and because they advertise them in the Kansas Farmer. They report that in twenty days they have sold \$300 worth of Poland-China hogs as the result of their advertising in the Kansas Farmer. Among these sales was the herd boar, W. B. Perfection by Missouri Black Perfection 26517, out of Perfection Fancy (72509), she by a son of Chief Perfection 2d. This boar was pronounced to be one of the best of the Missouri Black Chief strain and was a member of the young herd that won in the Missouri State Fair last year. He was sold to J. W. Myers, Galva, Kans., for \$125. Another recent sale is Perfect Tecumseh 27989 S., by Anderson's Perfect 23772, a grandson of Chief I Know and Klever's Model. Perfect Tecumseh was out of Chief's Fancy Best (57670), a granddaughter of Chief Tecumseh 2d. Good hogs are good property and they will sell if people know you have them.

A new herd of Duroc-Jerseys is that belonging to Dulaney & De Brot, Wichita, Route 1. The place is known as the Maple Grove Stock Farm. They have a herd of 300 Duroc-Jerseys, which is one of the largest herds in the State and the best thing in its favor is that all the animals are good ones. This firm has been breeding for some years but have just now started into the advertising field. They have supplied a good many local breeders with new stock but now realize that their field must be greatly enlarged, and on page 1160 of this issue will be found their advertisement. Mr. De Brot is the representative of the firm on the farm and visitors will be welcomed by him. The herd is headed by Royal Top Notcher 28075-12329. He is one of the best boned hogs with broad back and good feet; just the kind that Western breeders are looking for. They have five boars for sale from Wichita Queen 23714; these are sired by Top Notcher and are especially good animals. The farm is located six miles north of Wichita and visitors on arriving in Wichita can communicate with Mr. De Brot by telephone. When writing, mention the Kansas Farmer and you will receive courteous treatment.

A recent visit to Whitewater Falls Stock Farm, Towanda, Kans., showed it to be one of the greatest breeding farms for Percherons now in the West. The herd now numbers about 100 head and includes those of the World's Fair prize-winners that still remain unsold and an addition of fifteen mares and stallion colts that were lately bought by Mr. J. C. Robison at the C. D. McPherson sale at Fairfield, Iowa. This recent purchase includes all of the first and second prize-winning mares at the Iowa, Illinois, Indiana and West Michigan State Fairs. It also includes the first-prize weanling filly and the first-prize yearling stallion at these same fairs. One of these mares was a first-prize-winner at the American Royal in 1903. This gives the Whitewater Falls Stock Farm one of the greatest bunches of Percheron horses to be found anywhere, especially in this true as the herd is strong in the female classes. Every breeder understands that a good stallion is an excellent thing to have, but a good stallion and good mares are much better. Incidentally, the Messrs. Robison have just sold a 2-year-old stallion to Mr. F. G. Tyler, of Miami, I. T. They have also sold four stallions and two pairs of mares to go to Canada. They report that their sales have been much better this fall than ever before and they attribute this success to the quality of animals which has permitted them to win at the World's Fair and at various State fairs and to the fact that they have advertised them in the Kansas Farmer.

**A Good Business.**

Nothing so exasperates a man as to have his pump work hard and especially in cold weather. Our readers will see the advertisement of Pump Equalizer Co., 40 Dearborn Street, Chicago, in another column. This simple little attachment

can be applied to any pump and will make the hardest working pump work easily. It is one of the best and easiest sellers on the market and agents are making big money selling it. Write the company and be sure to mention this paper.

**McLaughlin Brothers' Horses.**

It is always a pleasure to talk to a successful business man, and we know of none more successful than are the McLaughlin Bros., Kansas City, Columbus, and St. Paul. In a recent interview, Mr. John R. McLaughlin, of Columbus, Ohio, had the following to say about their horses:

"For about three years we have been saving our best stallions on account of the St. Louis World's Fair. The best of our St. Louis exhibit we have continued to save to show at the forthcoming International to be held at the Union Stock Yards, Chicago, November 26 to December 3.

"In the Percheron classes we are stronger than ever before in our business and horse-show experience. At the head of our Percheron exhibit is the grand Univers, winner of first prize at the show held under the auspices of the Percheron Society in France, also first-prize winner at the great annual show of France held under the auspices of the French Government in 1903. He won first prize at the Ohio State Fair as well as every other State fair where he was shown. We saved him especially for the St. Louis Exposition where he won several first prizes, but to cap the climax, at the American Royal last month in Kansas City he won not only first prize in his class but grand championship as well in competition with the World's Fair champions of the other principal draft breeds.

"Another strong competitor in the aged class will be Edgar, prize-winner at both great shows in France last year, third-prize winner at the St. Louis World's Fair and second-prize winner at the American Royal.

"Another formidable competitor in the aged class will be Danseur, first-prize winner at the great annual show of France last year as well as first-prize winner at the St. Louis Exposition this year.

"In the 3-year-old class if anything our exhibit will be still more formidable. The great Victor Hugo ranks among the greatest draft-horses in the world. He won first prize and gold medal at the great show of the Societe Hipplique Percheronne de France this year, also first prize and gold medal at the great annual show of France this year. He was awarded two gold medals and three prizes at the St. Louis World's Fair and first prize at the American Royal.

"Another perfect draft-horse is the 3-year-old Balkan. He is a prize-winner at the Percheron society show in 1903 and 1904, also a prize-winner at the great St. Louis World's Fair.

"The great 3-year-old Tarquin ranks with the other two. He too is a prize-winner at the St. Louis World's Fair and at the American Royal.

"The 3-year-old Violin is equal to the other three. He is a prize-winner at the great Percheron show in France last year and also a prize-winner in the same show this year. He was not shown in St. Louis but remained in Columbus to win first prize at the Ohio State Fair which took place at the same time that the horse-show was held in connection with the St. Louis Exposition.

"These four 3-year-olds are so nearly alike that it would take an expert to determine which is the best.

"In our 2-year-old class if anything we are stronger than in the other two. Chichi won first at the Percheron show in France this year. He won two first prizes, two gold medals, junior championship and reserve grand championship at the St. Louis World's Fair.

"A formidable competitor with Chichi is the grand 2-year-old Patache. Many good judges thought that he should have ranked above Chichi at St. Louis. As it was he won two medals and four prizes at the St. Louis World's Fair. At the

Bad weather has no effect on Amatite. Once on you don't have to think about your roofs for years.

No skilled labor is needed to put it down. It is rain, wind and weather proof, and a fire retardant.

**FIFTY YEARS EXPERIENCE STANDS BEHIND**  
**Amatite ROOFING**

Send for Free Sample and Booklet and learn all about it.

BARRETT MANUFACTURING CO.  
New York Chicago Philadelphia  
Cincinnati St. Louis Allegheny  
Cleveland Kansas City  
N. Orleans Minneapolis

**JUST ISSUED**  
**POULTRY FEEDING and FATTENING**

A handbook for poultry-keepers on the standard and improved methods of feeding and marketing all kinds of poultry. The subject of feeding and fattening poultry is prepared largely from the side of the best practice and experience here and abroad, although the underlying science of feeding is explained as fully as needful. The subject covers all branches, including chickens, broilers, capons, turkeys and water-fowl; how to feed under various conditions and for different purposes. The whole subject of capons and caponizing is treated in detail. A great mass of practical information and experience not readily obtainable elsewhere is given, with full and explicit directions for fattening and preparing for market. The broad scope of the book is shown in the following table of contents:

Thrifty Growth, Expert Chicken-Feeding, Broiler-Raising, Nutrition for Layers, Special Foods, To Finish and Dress Capons, The Art of Poultry-Fattening, Lessons from Foreign Experts, American Fattening Methods, At Killing Time, Preparing for Market, Marketing Turkeys and Waterfowl, Finish and Shaping. Profusely illustrated, 160 pages, 5 by 7 1/2 inches, cloth. Price, 50 cents postpaid.

**KANSAS FARMER COMPANY,**  
Topeka, Kans.

**You Furnish the Hide We Do the Rest**

**SHIP** your Horse Hides to us to be tanned and made into coats and robes. Hides tanned by our process are light, even in thickness, soft, pliable, and moth-proof. Write for price-list. Address, Des Moines Tanning Co., 335 S. W. Third Street, Des Moines, Iowa.

**President Roosevelt at World's Fair November 26th**

Excursion rates via

For the few remaining days of the great exposition the Rock Island System will sell round-trip tickets to St. Louis at reduced rates. This is your last opportunity to visit the greatest exposition the world has ever known. Can you afford to miss it?

The Rock Island trains stop at main entrance to the World's Fair. Ask the Rock Island Agent,

**J. A. STEWART, General Agent, Kansas City, Mo.**

American Royal he won first in class and first in collection.

"The 2-year-old Mastic, Hemenes, Brilliant, and Xenophon are formidable rivals for the first honors.

"Our French Coachers are as if it is possible stronger than our Percherons. The great Torrent, the champion at the St. Louis World's Fair has won so many prizes and is so thoroughly well known that to mention his name is sufficient. He, however, has a younger rival, the 4-year-old Apropos, and it may be that Apropos will loutstrip him at the International.

"Apropos won first prize at the great annual show of France in 1903 and first prize at every State fair where shown last year, and he also won first prize at the American Royal in competition with the champion Torrent.

"Along with these two noted horses will be shown Sire, Balasare, Bade.

"In the 3-year-old class our chances to win are as good as in any other. Here Beau Sire, the first-prize winner at the American Royal, will lead. Beausigneur, prize-winner at St. Louis along with Breilan and Spristl will contest sharply for the highest honor.

"We will show the 2-year-old Courtisan, a prize-winner at the great St. Louis World's Fair. He is the best horse of his age that we ever imported and we expect great things from him.

"In the Belgian class we have some wonderful horses. The great Omer was first-prize winner at the Ohio State Fair, at the American Royal and at the International in 1903 where he not only won first prize but grand championship. He won five first prizes including two firsts at the great St. Louis World's Fair.

"Capitaine, winner of second prize at Hasselt, Belgium, is a formidable competitor for first honors with Omer.

"Jean Jean, winner of first prize in collection at the St. Louis World's Fair, is another close competitor.

"Tranquille de Leemes and Bayard d'Herlainmont will give the others a hard rub for first honors.

"In the 3-year-old class we have Arthur, a full brother of Omer, winner of first prize at St. Louis. We also have Fortin, winner of second prize at St. Louis and first-prize winner at the American Royal, and the 3-year-old Mourmelon, first-prize winner at Waremmé, Belgium.

"These horses with our many others entered at the International will go from here to Chicago in a special train to be furnished by the Adams Express Company, and it will be a train load representing more value than was ever shipped from any breeding or importing establishment in any show on earth unless it was the special train that carried our St. Louis World's Fair exhibit.

"No one who is interested in draft-horses as well as coach-horses in America can afford to fail to see this grand array of the best that the world produces."

J. P. Baden Produce Co., of Winfield, Kans., are building up a great business and building it in a very short time by reason of their system of paying the highest market price for butter-fat and of paying cash. This week we are instructed to increase the cash price they are offering in their advertisement from 21 1/2 cents to 23 cents. What more can a dairyman ask than fair treatment like this and cash when he wants it? Mention the Kansas Farmer and write the J. P. Baden Produce Co., Winfield, Kans., for their proposition. It is a good one.

## The Markets

Kansas City Live-Stock and Grain Markets.

Kansas City, Mo., Nov. 21, 1904.

Last week's cattle receipts were rather heavy, aggregating 55,300 cattle and 5,700 calves. The dressed-beef market last week was far from satisfactory, but at the same time this market did not suffer as much as the markets further East. There was very few choice corn-fed steers offered during the week and for the first week during the season they were not so much in demand as the lighter grades and Westerners. The week's top was \$6.10 and the bulk of the sales was around \$5, with \$5.50 as second top. The market for the week closed lower. There was plenty of cows in the week's offerings but the best grades held steady all week, a few sales being above \$4 and some good fat heifers selling as high as \$5. The best grades of stockers and feeders were steady throughout the week and closed strong. There was a decline in the more common kinds. The movement of stockers and feeders to the country was more than twice that of the previous week, amounting to 692 cars. Cattle receipts to-day were 17,500, less than on Manday a week ago. Beef steers were in light supply and as a rule the market was slow and steady. The top for the day was \$5.30 with most of the sales below \$4.57. Fat she stuff was steady to 15c lower, the best grades going at steady prices. There was a fair demand for stockers and feeders and stockers were steady. Feeders were steady to 10c lower. Stock calves were steady and veal calves were strong to a little higher. Prices in the quarantine division was steady with last week's close and there was fully 1,000 head yarded by noon.

The week opened with a heavy run of hogs at the five Western markets but a normal run here and prices higher than at other Western markets. Receipts of hogs to-day was almost 8,000, including 1,000 head to Swift from St. Joseph. The quality of the offering was rather common as is expected on the first of the week. The market opened 5c lower but before all the sales were made the decline was regained and in some instances the market was 2 1/2c higher than Saturday's close. The top sale for the day was \$4.80, 5c higher than the Chicago top. The bulk of the day's sales would range between \$4.75 and \$4.50. Official receipts of hogs last week was 63,489 head, the largest receipts of any week this year at this market. Hogs sold higher at this market all week than at any other Western market, but

## 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—Eight good, registered Shorthorn bulls, four straight Cruickshank, good ones, and prices right. H. W. McAfee, Sta. C, Topeka, Kans.

FOR SALE—4 Scotch-topped Shorthorn bulls at a bargain, serviceable age. Address, Dietrich & Spaulding, Richmond, Kans.

FAIRVIEW FARM GUERNSEY'S FOR SALE. A fine lot of well-bred young bulls, ages ranging from one month to service age, at farmers prices. Wilcox & Stubbs, Des Moines, Iowa.

FIVE CHOICE YOUNG REGISTERED GALLOWS BULLS to close out, at once. Address Wm. M. McDonald, Girard, Kans.

HOLSTEIN-FRIESIAN BULL CALVES FOR SALE—From best registered stock. Address A. J. White, Route 7, Station B, Topeka, Kans.

FOR SALE—2 choice Hereford bulls, 22 months old; something good. Call on or address A. Johnson, Route 2, Clearwater, Sedgewick Co., Kansas.

FOR SALE—Three choice young Galloway bulls, sired by Staley of Naahua (1907) bred by L. B. and A. M. Thompson. Fine individuals, and bred right. Mulberry herd of Galloways; visitors welcome. Robert Dey, Walton, Kans.

FOR SALE—A 3 year-old Shorthorn bull, sired by Royal Bates. Address Dr. N. J. Taylor, Berryton, Kans.

FOR SALE—6 good Shorthorn bulls, 3 of them straight Cruickshank; come and see me. H. W. McAfee, Topeka, Kans.

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

even at that there was a decline of from 15¢ to 20¢ for the week and pigs reached as much as 30c lower than the previous week. Heavy hogs were favored all week. The top sale of hogs last week was \$4.97 1/2 and on two other days the top was \$4.95 and the week's bulk was around \$4.65. Light weights and pigs formed the bulk of the week's supply and showed a weakness over heavies.

Sheep receipts were light at all the Western markets with no exception to this market where only 2,000 were expected. Most of the day's offerings were on the native order, though there was a few Western-fed sheep offered. The general quality was good and some of the offerings were choice. The Western-fed yearlings sold at \$5. Good wethers sold at \$4.50 and ewes at \$4.25. The market was strong to 10c higher. There were no choice lambs in the day's offerings but some fair Westerners sold for \$5.35 and some poorer quality natives sold for \$4.85. The lamb market was very much like the sheep, but if anything a little stronger. Not enough feeding lambs were offered to test the market. Last week's sheep receipts were a little better than the previous week or the corresponding week last year. Official receipts last week was 22,737 head. The week's offerings lacked quality and buyers have been forced to take undesirable kinds in order to fill their orders. The week closed strong to a little higher, at least the top showed higher prices. Good yearlings sold as high as \$4.75 and wethers ranged from \$4.25 to \$4.50 and ewes sell at from \$4 to \$4.25. Feeding ewes sell as high as \$3.25 and feeding wethers from \$3.50 to \$3.75 and yearlings sold as high as \$4.

Receipts of grain at Kansas City to-day were 277 cars, of which 210 were wheat, 45 corn, 18 oats and 4 rye. There was a fair demand for wheat but the market was lower. No. 2 hard \$1.05@1.06, No. 3 hard \$9c@91c, No. 4 hard \$8c@81c, No. 2 red \$1.05@1.08, No. 3 red \$1.02@1.05, No. 4 red \$9c@98c. Corn was lower. No. 2 mixed 45¢@45 1/2c, No. 3 mixed 45¢@45 1/2c, No. 4 mixed 43¢@44c, No. 2 white 47c, No. 3 white 45¢@46c, No. 4 white 43¢@44c. Oats are steady, No. 2 mixed selling at 29¢@30c, No. 3 mixed 28 1/2¢@29c, No. 4 mixed 27 1/2¢@28c, No. 2 white 30 1/2¢@31c, No. 3 white 29 1/2¢@30 1/2c, No. 4 white 28¢@29c. Rye is lower, No. 2 75¢@76c, No. 3 74 1/2¢@75c.

H. H. PETERS.

Clay, Robinson & Co. write: Official receipts of cattle for the week ending last Saturday was 55,328, compared with 33,016 the previous week and 50,881 during the corresponding week a year ago. Top grades of beef steers have been in the lightest supply of the season, but trade was anything but satisfactory. Ordinary offerings have sold better than the more desirable kinds, best grassers closing the week, steady to strong with the close of the previous week. Medium to good steers declined 15¢ to 25c, bulk of the corn-fed steers during the week selling from \$4.50 to \$5.50; top \$6.10. The supply of cows and heifers was liberal and best grades held steady while on common ones, there was a break of 10¢ to 15c. Bulls held unchanged and veal calves broke 25c. Good to choice stockers and feeders sold briskly at firm rates; others went steady to 10c lower. Receipts of cattle to-day were 17,500. Most of the beef steer sales were steady. There was a liberal supply of cows and heifers, mostly Westerns, and the bulk of them medium. Bulk of sales were called steady to 10c lower. Bulls and veal calves were firm. Trade for stockers and feeders was fairly active and most of the sales were at steady rates, exceptions being 10c lower.

Hog receipts were 63,489 against 42,763 last week and 48,334 the same week last year. The week's decline amounted to 20c. Receipts to-day were 6,400 and the market, while it opened 5c lower was active and at the close the loss was regained. Bulk of sales were from \$4.45 to 4.75; top 4.80.

Receipts of sheep for the week ending last Saturday were 22,737 head, compared with 15,171 the previous week and 18,004 during the corresponding week last year. The market has been an excellent one for all offerings and prices have ruled strong to higher. Top lambs brought \$5.85; good yearlings are bringing \$4.75; good wethers \$4.50, and ewes \$4 to \$4.25.

### FARMS AND RANCHES.

WANTED TO RENT—A good, well-improved farm, from one quarter to one-half section of good farming land, for cash or grain rent. Address A. O. Bachnick, Route 1, Wallula, Kans.

YOU CAN GET RICH RAISING FRUIT, GRAIN AND HAY in the Grand Valley. Some good land left at \$30 per acre. Winters are warm and mild. Write for descriptive literature. M. G. Woolverton, Grand Junction, Colo.

FARMS AND RANCHES FOR SALE—No. 1, 240 acres, dug well, 135 acres broke, all fenced, 100 acres in wheat, 40 acres good alfalfa ground, mostly good farm land; price, \$10 per acre, \$2,400.

No. 2, 400 acres, includes Nos. 1, and 35 acres, broke, house, well and windmill, 10 or 12 acres good alfalfa ground. \$4,000.

No. 3, 480 acres, includes Nos. 1 and 2, \$9,500, \$4,560. No. 4, 840 acres, includes Nos. 1, 2 and 3 with 320 grass land added, 50 acres alfalfa land, a dug well, \$7,500 per acre. \$6,400.

No. 5, 560 acres, all fenced, 70 acres of wheat, balance grass, one-half can be farmed. \$6.75 per acre. \$3,880.

No. 6, 480 acres, house, well, windmill, stables, granaries, living water, all fenced, 150 acres of wheat, 7 acres of alfalfa and about 50 acres of alfalfa land. \$8 per acre. \$3,900.

No. 7, 1040 acres, includes Nos. 5 and 6, \$7,580.

No. 8, 1,880 acres, include all the above. I will sell in lots as described or all together for \$7 per acre. \$13,160. Call or write L. M. Day, Greensburg, Kans.

### SWINE.

FOR QUICK RETURNS—11 of the very choicest breeding of Duroc-Jersey boars from premium stock, April farrow, color right, ears right, head right, and all right or money back; special price for the next 30 days. F. L. McClelland, Route 1, Berryton, Shawnee County, Kans.

BUY AT HOME—I have the best in Poland-Chinas for sale. E. J. Knowlton, Alden, Rice Co., Kans.

POLAND-CHINA PIGS, 7¢ EACH. Satisfaction guaranteed by Abe Hertje, Tonkawa, Okla.

TWO RECORDED DUROC HERD BOARS Cheap; 70 spring pigs either sex, no kin; \$10 each; here is a bargain. For particulars write to Chas. Dorr, Osage City, Kans.

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CHOICE young Shorthorn bulls very low prices; also open or bred gilts, Polands or Durocs. M. C. Hemenway, Hope, Kans.

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HANDY HERD REGISTER—The improved Handy Herd Book for swine breeders is a record book that every breeder should have. It is perfect, simple, practical and convenient and contains 101 pages or about one cent a liter for keeping the record. The regular price of this handy herd book is \$1, but we furnish it in connection with the Kansas Farmer one year for only \$1.50.

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WANTED—New crop alfalfa, red clover, timothy, English blue-grass, and other grass seeds. If any to offer, please correspond with us. Kansas Seed House, F. Barteldes & Co., Lawrence, Kans.

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WANTED—Right away; a girl to assist with housework; good home, wages, and school if desired. Address at once Langley Stock Farm, Morland, Kans.

SHEET MUSIC—Latest N. Y. successes—Polly Prim—Blue Bell—Anona—Soko—Navajo—Tessie—Laughing Water—Hiawatha—The Gondolier—Always in the Way—Message of the Violets—postpaid, 20 c. each—8 for \$1. Address, Albert Brooks, Box 9, Station L, New York.

FERRETS—Ready for service, per pair, \$6; single, \$3.50. Address Roy Cope, Topeka, Kans.

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FOUR GREAT MARCHES FOR PIANO OR ORGAN—"Odd Fellows Grand March," "Dole's Twostep March," "California Commandery March" and "St. George Commandery March," 15 cents each or the four for 50 cents. If you are not pleased I will return stamps on receipt of music. Offer good for sixty days. Mention Kansas Farmer. Address Isaac Doles, Indianapolis, Ind.

WANTED—Young men to learn Telegraphy and Railway Business. W. J. Skelton, Salina, Kans.

12000 FERRETS—Finest in America. Bred from rat-killers and field-workers. Low express rate. Safe arrival guaranteed. Book and wholesale list free. Farnsworth Bros., New London, Ohio.

WANTED—Man with rig, in each county; salary, \$85 per month. Write to-day. Continental Stock Food Co., Kansas City, Mo.

FOR SALE—Second-hand engines, all kinds and all prices; also separators for farmers own use. Address, The Gelsner Mfg. Co., Kansas City, Mo.

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

### FARMS AND RANCHES.

SOME CHEAP HOMES—80 acres, 8 acres timber, 30 acres bottom, \$1,500; 80 acres, some improvements, 25 acres cultivated. \$1,250; 160 acres, nice smooth land, one-half cultivated, \$2,000; 160 acres, every foot can be farmed, fair improvements, \$2,800; 160 acres, 55 acres bottom, fair improvements, 10 acres timber, \$3,200, will take part in cattle; 200 acres, \$1,500 insurance on buildings, 2 miles from town, (dairy farm) \$4,000; 320 acres, \$3,000 in improvements including new 12-room house, 50 acres bottom, \$6,500. Fine 1,440 acre ranch, owner will stock and take pay in products, 300 acres alfalfa, \$15,000 in improvements, price, \$25 per acre. All kind and sized farms reasonable. We would like for you to write us what you want. Garrison & Studebaker, Florence, Kans.

STOCK AND DAIRY FARM FOR SALE—A fine stock farm in Saline river valley, four miles north of Russell, Kans. It contains 320 acres, 105 acres bottom land in cultivation, remainder fenced for pasture, three to four hundred fruit trees, excellent water and natural shelter for stock, small house, granary, sheds, etc. Price, \$4,800. If sold before Dec. 1, 1904, \$4,000 will buy it. I also have extensive list of improved farms, and wheat land for sale in Russell, Ellis, Trego, Gove, and adjoining counties. Come and see me. E. W. Voorhis, Russell, Kans.

160 acres, \$4,100; 40, \$850. Bargains; terms; trades. Buckeye Agency, Route 2, Williamsburg, Kans.

A CHANCE TO GET A HOME FREE—A 9-room new modern cottage, in a growing town of 1,400 people, a division of the U. P. railroad; property worth \$2,500. 1000 chances given away free with each purchase of "Wheeler's" Receipts at \$2.50 each. Remit Harry Wheeler, Ellis, Kans.

GREAT BARGAINS IN LANDS—One of the best 160 acre farms in Kansas at \$50 per acre, improvements are worth the money. Never overflows, has 60 acres of alfalfa, is one-half mile from railroad station, 5 miles from county seat; write for full particulars. 1,120 acre ranch, well fenced, living water, good level land, suitable for farms, extra good grass; price, \$12.50 per acre. Great bargain. 80 acres for \$3,000; smooth rich land, very good buildings, good water, 3 miles from Marion. If you have \$1,100 cash you can have several years on the balance at 5 per cent interest. W. P. Morris, Marion, Kans.

LAND BARGAINS IN EAST CENTRAL KANSAS—320 acres of fine rich land splendidly improved; one-half mile from railroad station, 5 miles from county seat; price, \$50 per acre.

1,120 acre ranch, well fenced, living water, good level land suitable for farms; extra good grass; price, \$12.50 per acre.

80 acres for \$3,000; smooth rich land, very good buildings, good water, 3 miles from Marion; if you have \$1,100 cash you can have balance for a few years at 5 per cent interest.

160 acres, 60 in cultivation, fair improvement; 18 miles from county seat; price, \$2,000. Address W. P. Morris, Marion, Kans.

VIRGINIA FARMS—\$5 per acre and up with improvements. Address Farm Dept., N. & W. Ry., Roanoke, Va.

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## The Stray List

For Week Ending November 10.

Hodgeman County—D. Hume, Clerk. COW—Taken up by John R. Wilson, in Hodgeman Co., 7 miles north and 1 mile east of Houston, October 31, 1904, one black cow, weight about 800 or 900 pounds; valued at \$8.

For Week Ending November 24.

McPherson County—B. Harms, Clerk. MARE—Taken up by B. Reichert, in King City tp., Oct. 29, 1904, one gray mare, branded "J." "C." on left shoulder; valued at \$20.

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OF  
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Eighth annual sale of animals from two of the leading herds of America, consisting of 62 cows and 11 bulls.

**December 6 and 7, 1904, Kansas City, Mo.--Remember the Dates.**

Write for catalogue and further information. Address either

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Marshall County, Kans.

Third Annual

**Hereford Sale**

Blue Rapids, Kans., Nov. 30, 1904

**50 Head 50**  
37 Cows 13 Bulls

The cows are nearly all mature breeding animals and have calves at foot or are safe in calf. The bulls are high quality yearlings.

The entire offering is the top stuff from the 10 contributing herds. We believe this offering is better by 25 per cent than any we have ever made.

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Snyder Bros. and J. R. Cooper & Son, Winfield, Kans., will hold a special sale of

**60 POLAND-CHINAS 60**

selected from their herds, numbering 385 head, at

**Winfield Kans., Nov. 28, 1904**

The offering comprises 60 head of bred sows, serviceable boars, bred and open gilts and pigs of either sex sired by Simply O. K., champion of 1901, and other prize-winning boars. Will sell litters out of sisters to sweepstakes sow at the Kentucky State Fair of 1901, litter out of Beauty Eve, dam of 4th prize aged boar at World's Fair at St. Louis, two litters out of her daughters, and others out of equally well-bred sows. Mail bids to auctioneers or Kansas Farmer representative. Auctioneers Col. J. W. Sparks and J. R. Miller. Send for a catalogue, mentioning Kansas Farmer, to

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**FIFTH ANNUAL International Live Stock Exposition**



Union Stock Yards, Chicago, Nov. 26 to Dec. 3, 1904

**50 CHOICE GALLOWAYS 50**

will sell

**Tuesday, Nov. 29**

For catalogue address  
**CHAS. GRAY, Secretary,**  
17 Exchange Ave.,  
Chicago, Ill.

Sale will begin at 1 p. m.

**50 SELECT SHORTHORNS 50**

will sell

**Wednesday, Nov. 30**

For catalogue address  
**B. O. COWAN, Assistant Sec'y,**  
17 Exchange Ave.,  
Chicago, Ill.

Sale will begin at 1 p. m.

**50 HIGH-CLASS Aberdeeen-Angus 50**

will sell

**Thursday, Dec. 1**

For catalogue address  
**W. C. McGAVOCK, Secretary,**  
Springfield, Ill.

Sale will begin at 9.30 a. m.

**50 HEREFORDS 50**

FROM BEST HERDS

will sell

**Friday, December 2**

Under Hereford Committee of  
**Thos. Clark, Beecher, Ill.; W. S. VanNatta, Fowler, Ind.; G. H. Hoxie, Exchange Bldg., Union Stock Yards, Chicago, Ill.**

Sale will begin at 1 p. m.



As an educational Exposition and for Sales of High Class Live Stock, no place or show affords the opportunity to spend such a rare week as the International.



**PUBLIC SALE OF Holstein-Friesian Cattle**

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**50 Registered Holstein-Friesian Cattle 50**

This offering will consist of fifty head of registered Holstein-Friesian cattle, comprising cows, helpers, and bulls of all ages. This offering represents the best strains of the breed such as Mechthilde, Parthena, Empress Josephine and DeKol. Nibro DeKol Lad has been at the head of my herd. His dam is in the A. R. O. This herd made an average last year of 9,125 pounds of milk each, including 2- and 3-year-old helpers. Average test fat 3.8, having no tame hay or grass for them. No postponement on account of weather. Everything fully guaranteed as represented. All cattle will be registered and transferred to owner. For catalogue address

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Having sold, privately, my entire herd of cows, I am permitted, through the courtesy of Messrs. Armour and Funkhouser, to sell AT AUCTION, in connection with their sale at

**Kansas City, December 6 and 7, 1904**

my Great Herd Bull, PRINTER 66684. Come! He goes—NO BY-BIDS. The fortunate purchaser will make the great investment of his life. There is only ONE PRINTER, and few as good by any other name. Put him at the head of your herd—you will be proud of him. He will do you good.

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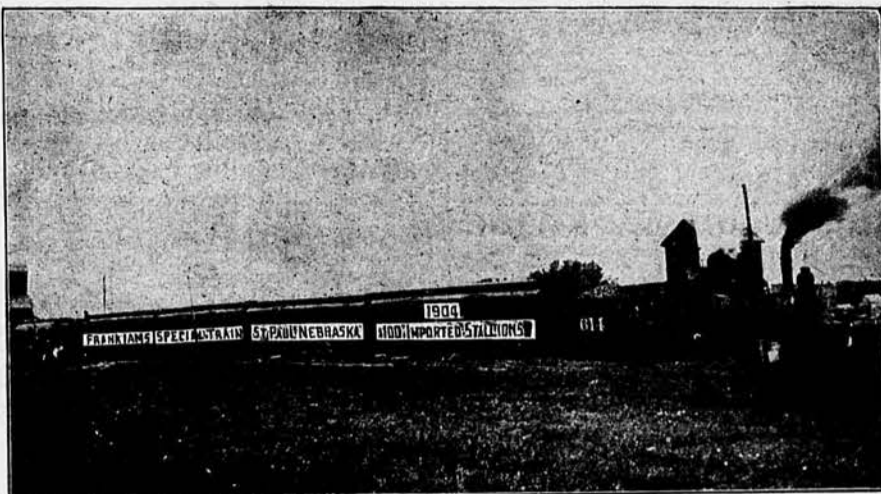
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SPECIAL TRAIN of 100 IMPORTED STALLIONS as it appeared traveling from New York City to St. Paul, Neb., August 18, 1904—STALLIONS DIRECT FROM EUROPE. The only SPECIAL TRAIN and largest importation of stallions by any one man in United States.

Cheer up, Mr. Bright Business Man! Spread the good news: IAM'S PEACHES AND CREAM have arrived—A SPECIAL TRAIN OF 100 SENSATIONAL BLACK BOYS, the cream of France and Belgium. The best money and Iams' superior ability can buy after four months' stay in Europe among the best breeders.

They are sensational stallions of quality, big size, large bone and fashionably bred. In fact, "TOP-NOTCHERS." Positively the best lot IAMS ever owned of draft and coachers.

Owing to IAM'S FACILITIES for BUYING, POOR CROPS AND IAM'S CASH he bought stallions CHEAPER than ever and they are so GOOD and CHEAP you will be his buyer.

He has on hand MORE FULL BLOOD STALLIONS THAN ANY ONE MAN IN UNITED STATES, AND HE MUST SELL THEM.

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HELLO, CENTRAL! Did you watch IAM'S SMOKE at 1904 Nebraska State Fair? IAM'S HORSE SHOW OF 35 SENSATIONAL PERCHERONS, BELGIANS AND COACHERS was the GREATEST and BEST "HORSE SHOW" ever made by one man in United States. Iams' competitors took to the woods—"went away back and sat down" HARD. Iams' Percherons, Belgians and Coachers won EVERY FIRST, SECOND and SWEEPSTAKES prize in every AGE OR CLASS. A CLEAN SWEEP.

WATCH IAM'S SMOKE. HE SELLS THE STALLIONS.

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Say, Ikey, what a rich "GRAFT" those "CON STALLION SALESMEN" are working on the HONEST FARMERS, selling inferior stallions at \$3,000 and \$5,000.

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 COUNTY SEAT HERD DUROC-JERSEY SWINE.  
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 Young stock for sale.

Registered Stock, DUROC-JERSEYS, contains breeders of the leading strains.  
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DUROC-JERSEYS—Large-boned and long-bodied kind. A fine lot of spring pigs (either sex) for sale. Prices reasonable.  
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 Wichita, Kansas  
 Farm two miles west of city on Maple Avenue  
**Duroc-Jerseys**

**DUROC-JERSEY SWINE**  
 Also B. P. R. and R. C. B. Leghorn chickens. Stock for sale. Get our prices. MITCHELL BROS., BUXTON, WILSON COUNTY, KANS.

**FAIRVIEW HERD DUROC-JERSEYS**  
 Now numbers 150; all head for our two sales, October 25, 1904, and January 31, 1905.  
**J. B. DAVIS, Fairview, Brown Co., Kans.**

**PEARL DUROC-JERSEY HERD.**  
 Choice spring pigs, both sexes, and alfalfa fed, ready for service, for sale. 200 head to select from. Can ship on Rock Island, Union Pacific, Santa Fe or Missouri Pacific.  
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 All stock registered. Pigs for sale weighing 150 to 200 pounds, both sexes. Will have sows for early farrowing at \$20 each. Spring males and gilts, \$10 to \$15. Address  
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 Sires and dams all from prize-winners. Our herd is headed by Russels Hague 21469. Young boars a specialty at present. A few registered Shoshone rams. Satisfaction guaranteed. H. H. Hague & Son, Route 6, Newton, Kans.

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 For sale, an extra fine lot of young boars large enough for service. Bronze turkeys, Barred Plymouth Rocks and Brown Leghorn chickens for sale.  
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 One hundred head of March and April pigs for the fall trade. Prize-winning strains and good individuals and every thing sent out guaranteed to be as represented. Write me your wants.  
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 Prince 17799 and Red Rover 27665 at head of herd. Young boars and bred and open gilts for sale.  
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 A few very superior boars out of Gold Dust 20401, our premier herd boar, now ready for sale.  
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 Size and quality my specialty. Boars ready for service. Gilts bred or open. Spring pigs that are top-notchers. Prices reasonable for quick sales.  
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 No sows nor gilts for sale, males only. Visitors always welcome. Write me.  
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**UP-TO-DATE Duroc-Jerseys**  
 Best of breeding and individuality. Pigs of both sexes, not related, for sale. A square deal guaranteed. Write your wants, or call and see hogs. Visitors always welcome.  
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**Cherry Valley Breeding Farm Duroc-Jersey Swine.**  
 The prize-winning Gem's Victor 16017 and Gold Coin 19005 at head of herd. Choice bred gilts and spring pigs of both sexes for sale. 230 head in herd.  
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**Pecan Herd of Poland-Chinas**  
 Model Teumseh 64183, American Royal (S) 30783, and Best Perfection 81507 at head of herd. Write us your wants.  
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**POLAND-CHINA SWINE.**

**Kansas Herd of Poland-Chinas.**  
 has some fine spring boars and gilts, and four bred gilts, Sunshine bred; also Rose Comed White Leghorn chicks.  
**F. P. MAGUIRE, Hutchinson, Kansas.**

**Elm Grove Stock Farm Poland-Chinas.**  
 Woodbury 33333, Highroller 33339 and Perfection's Profit 33233 at head. Sows of the most popular strains. Visitors always welcome.  
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**ROME PARK POLAND-CHINAS and BERKSHIRES.**  
 I have about twenty boars ready for use and twenty-five sows bred, and some unbred, and a large number of good pigs, both breeds.  
**T. A. HUBBARD, (County Treasurer Office.) Wellington, Kans.**

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 Has for sale Rival Perfection 33377, by Hard To Beat, the American Royal prize-winner, and out of Darkness Best 2d by U. S. Perfection. Also a lot of young pigs by Royal Perfection. Herd now headed by Missouri Black Perfection 2d, a prize-winner. Write your wants. Visitors welcome except on Sunday.  
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**GOOD HERD FOR SALE**  
 As I expect to move, am making SPECIAL PRICES to sell all of my Kanawaka Herd of Poland-Chinas. Two Herd Boars, 3 Fall Boars, 40 Spring Pigs, 70 Fall Pigs, 25 Sows and Fall Gilts. I don't want to publish my prices, but write me and I will surprise you in the breeding and bargains I offer.  
**W. B. VAN HORN & SONS, Lone Star, Douglas Co., Kans.**

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 I have for sale two herd boars, one sired by the great Missouri's Black Perfection, the other by Perfection Chief; they are extra good. Also 25 large, big-boned, growthy spring boars and about the same number of gilts. My specialty is to breed the kind that is the most profitable.  
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 Herd Boar—Klevers' Perfection'  
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 Notice is hereby given of the withdrawal of the sale announced for December 1, 1904, and the substitution of a  
**Bred Sow Sale for February 1905.**  
 For sale, at reduced prices, for the next thirty days, four fancy yearling boars, and fifteen tops of last spring's farrow.  
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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.  
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**READY TO SHIP NOW.**

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# RECORD OF A MONTH'S WORK

IN THE OFFICES OF

## A "Big" and "Busy" Firm

### CLAY, ROBINSON & CO.

Present the following statement of work handled in their six offices during the month of October, 1904, so far as preparing and sending out account-sales, letters and circulars is concerned. It is worthy of study as showing the enormous amount of clerical and other labor involved in carrying on a great commission business.

	Account Sales.	Letters.	Circulars
Chicago .....	2,596	6,350	28,148
South Omaha .....	1,327	2,100	33,150
Kansas City .....	543	1,640	37,600
South St. Joseph .....	236	1,068	11,220
Sioux City .....	288	1,021	5,700
Denver .....	67	570	3,100
<b>Total</b> .....	<b>5,057</b>	<b>12,749</b>	<b>118,918</b>

**Total number of documents mailed** ..... 136,724  
**Total value of live stock sold** ..... \$4,588,290.37

The Secret of their Success is "SERVICE."

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Sioux City

South Omaha  
South St. Joseph

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