

KANSAS FARMER

Volume XLV. Number 52

TOPEKA, KANSAS, DECEMBER 26, 1907

Established 1863. \$1 a Year

To Be a Great Dairy Meeting

The year 1907 has been a very active one for the dairy interests of Kansas. The amount of dairy products of the State in 1907 will exceed that of the year 1906 by 10 to 15 per cent, indicating thereby that the farmers of Kansas have been devoting considerable attention to cow culture as well as to culture of wheat and corn. Farmers regard the dairy business of the State as of greater importance than ever before. Prices for dairy products have been good; feed has been abun-

dant, and with the improvement in the class of cows milked, it is no surprise that the dairy industry is forging to the front. The State Dairy Association, which represents the organized effort of the dairymen of the State, has been active. This association last year secured laws regulating dairy matters and secured from the Legislature an appropriation for the maintenance of the office of the State Dairy Commissioner. Work under the law began July 1, when Dairy Com-



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missioner Kendall assumed the duties of his office. This office is doing a great deal of work highly beneficial to the dairy industry, although the commissioner is just getting his work started.

The year's work for the association will close with the annual meeting held at the State Agricultural College, Manhattan, Kans., December 31, 1907, and January 1, 1908. This meeting will be a part of the two weeks' farmers' institute arranged by the college. A great deal of interest is manifested in this meeting and a larger attendance is expected than at any former meeting.

The program, while not entirely completed, indicates that the meeting will be important from an educational standpoint. R. M. Washburn, Dairy Commissioner of Missouri, will discuss a subject which lies closely to the heart of every farmer in Kansas, the central idea being the extent to which the farmers of agricultural States, like Missouri, Kansas, Nebraska, and Oklahoma, can be expected to engage in dairying or to what extent they are justified in producing dairy products on their farms.

G. C. Wheeler, of the Kansas Agricultural College, will tell how a profitable dairy herd can be obtained the quickest and with a minimum cash outlay. This subject will interest every man who milks cows.

Dairy Commissioner Kendall, of Kansas, will discuss the subject, "Observations on Methods of Improving Cream and Butter Quality." Commissioner Kendall has just perfected a system of grading cream for use at the various cream-receiving stations of the State, which system will be watched with unusual interest.

W. W. Marple, formerly president of the Missouri State Dairy Association, and prominently identified with dairying in Kansas, will discuss a subject involving ways and means necessary for the development of the dairy and creamery interests in the West. No speaker could be selected who could discuss this subject with so much authority as Mr. Marple.

The newly appointed State Dairy Commissioner, D. M. Wilson, who will succeed Commissioner Kendall January 1, will discuss a subject of interest to all dairymen. Mr. Wilson has been engaged in dairy work for a period of twenty years and can speak with a great deal of interest concern-

ing all matters which interest dairymen.

J. G. Winkler, placed in this State by the Dairy Division of the United States Department of Agriculture, will also appear on the program. Mr. Winkler, until his engagement in Kansas, had been employed in creamery inspection work in Minnesota.

Henry Van Leeuwen, ex-president of the Kansas State Dairy Association, and who owns and operates a large dairy farm in Anderson County, will discuss the milking-machine and its adaptability to Kansas dairymen. He has operated one of these machines successfully the past year and considers the machine practical for any farmer who will or can milk twenty-five cows.

Ed. H. Webster, Chief of the United States Dairy Division, will also be present and assist in the work of the association.

The buttermakers' contest will be one of the important features of the convention. An unusually large number of buttermakers are expected to take part in this contest. The association will offer to the buttermaker sending in the highest scoring 20-pound tub of butter a \$60 silver cup which will remain in his possession until he is compelled to yield it to a competitor the succeeding year. The cup becomes the property of the buttermaker who wins it three successive years. In addition he will receive a \$15 cash prize. The maker of the second-best tub will have a \$10 cash prize, and the maker of the third-best tub will receive \$5. These cash prizes are made through the generosity of the J. B. Ford Company, De Laval Separator Company, Creamery Package Manufacturing Company, and the Wooster Salt Company.

A scoring contest for buttermakers will be given the winners in this contest. The buttermakers' work will be under the direction and supervision of Professor Kendall. Other attractions offered by the two weeks of farmers' institute at the college and such attractions as the Agricultural College only can furnish should make a visit at this time well worth the while of every farmer who can attend.

TALK OF AN EXTRA SESSION OF THE KANSAS LEGISLATURE.

The new State of Oklahoma has promptly enacted a law, to go into effect in a few days, which will make safe every depositor in any Oklahoma State bank, and in any Oklahoma National bank that shall elect to avail itself of the provisions of the statute. This places Oklahoma first in the column of States to offer protection where protection is beneficial not only to the patrons of the banks but to the entire community.

This prompt action on the part of the Legislature of the new State results in a serious situation for banks in Kansas near the Oklahoma line. Not only are they likely to lose the deposits and other patronage of citizens on the Oklahoma side of the line, but the safety afforded by the guaranteed banks will make them most desirable depositories for citizens of Kansas. How far this influence will extend can be only conjectured.

Realization of what is likely to happen has brought requests from border bankers that the Governor of Kansas call an extra session of the Legislature immediately, so that a guarantee law may be enacted in Kansas in time to avert the calamity threatened on our side of the border.

THE KANSAS FARMER is generally opposed to extra sessions of the Legislature on account of the expense. The present is an instance in which the enactment of a law guaranteeing deposits and making provision for their prompt payment in case of a bank failure would bring general benefits far in excess of the cost of an extra session.

There are a few other matters that need immediate attention from the Legislature. The new tax commission has gone so far with its investigations that it is doubtless in position to suggest important amendments to our laws on assessment and taxation. There has been a fear that with the increased valuation that is sure to pre-

vail under the new law, there will be a disposition on the part of those who determine the amounts to be raised to make these amounts large. In many cases the extreme limit allowed under the law has heretofore been collected. The new law which will greatly increase the aggregate valuation, does not reduce the percentage of the valuation which may be levied as taxes. Thus, if, as is suggested, the valuation shall be made three or four times as great as in the past, the law as it now reads does not prevent the raising of three or four times as much tax as formerly. It is doubtless true that, since most members of taxing boards are also taxpayers, prudence and conservatism will prevail. There is, however, a little uneasiness in some quarters least the enthusiasts for public improvements and for high salaries for tax-eaters may lead to injudicious liberality in the absence of proper legal limitation.

There are those who would have the Legislature called together for the purpose of enacting a primary election law. This is an important subject. When the public mind shall have settled upon a measure of this kind that will do more good than harm, it can not be enacted too quickly.

But all of these other matters are of minor importance compared with the proposition to make bank deposits safe. This would at once tend to relieve the financial disturbance in Kansas by bringing into bank and into use the very large sums now hid away on account of lack of confidence.

A HEAVY FINE ON CHARGE OF REBATING.

President E. P. Ripley, of the Santa Fe Railroad, has issued a formal statement setting out salient features of the famous rebate case wherein this great railroad company was fined \$330,000. The details are too long for publication here. According to Mr. Ripley's statement, however, the Santa Fe's agent did the rebating without authority, but the actual transactions as explained seem to have differed in scarcely any respect from the ordinary course that would have been pursued by an average business man in adjusting similar business transactions on private account. It is probably true, however, that the method, if permitted, might be used to cover up pernicious rebating. To protect the public against this, the law has been made very stringent with respect to transportation companies, so that from this time forward it will not be wise for these corporations to give occasion for suspicion of evil, even by methods that are recognized as permissible in strictly private business.

The present temper of courts, court officials, and people generally is clearly indicated when so large a fine is assessed for an offense that would have received no attention a few years ago.

Doubtless the Santa Fe and all other railroad companies will be scrupulously careful that hereafter even technical violations of the law do not occur.

GERMANY NEEDS AMERICAN MEATS.

A pitiful story comes from Berlin, the great capital of the German Empire, of thousands of children who go to school without breakfast and return without prospect of dinner. These are the children of "industrial classes" who are unable to provide common necessities on account of the "industrial depression." Charity is doing all that it can, but there is a woeful deficiency.

On the other hand the American exporter is loud in his complaints that the German market is almost closed against American meats on account of the practically prohibitive tariff which must be paid to secure admission to the German market.

American meats of the cheaper grades are not in great demand in this country. Their nutrient qualities are good. If they could be admitted to the German trade at reasonable cost, an outlet would be provided for a surplus on the one hand and a grievous want might be supplied at reasonable prices on the other hand.

Will American and German states-

men be wise enough to remove the artificial obstruction between the American supply and the German demand?

THE KANSAS FARMER FOR 1907 BIG VOLUME.

With this number THE KANSAS FARMER completes its forty-fifth year of usefulness to its readers. It is a big paper compared with its beginnings forty-five years ago. The pages were then few and small. They had the true characteristic of helpfulness and hopefulness, of faith in men and women, and confidence in the future of Kansas, and their word was "ward." This year the volume consists of 1416 large pages, in every one of which the editors and publishers have tried to place materials of value to the people on the farm. On comparing this year's big volume with that of 1906 the editor is surprised to find that each contains the same number of pages. In view of the peculiar financial conditions of the last twelve months it might have been expected that business necessities would have required a reduction in the number of pages printed. It is, therefore, with pardonable pride that we compare this big volume of 1907 with its fellow of 1906.

THE POSITION OF WHEAT.

The Farmers' Terminal Grain Company of Kansas City, Kans., has been reviewing the position of wheat in the world's markets. It finds the world's crop of 1907 about 400,000,000 bushels smaller than that of 1906, while there is no apparent reason for a falling off in the demand. In a circular letter just issued the Farmers' Terminal Grain Company ventures the prediction that the prices of both wheat and corn will go much higher, placing the Chicago figure for wheat at \$1.25 before May.

The role of the prophet is an uncertain one, but those who have wheat to sell will welcome a fulfillment of the above prediction.

It is undoubtedly true that the end of the present cereal year, June 30, will find reserves of wheat very low. This condition favors high prices. The prospects for the Kansas wheat-grower, whose crop is in excellent condition at this writing, are favorable for continued expansion of his bank account.

NATIONAL INSPECTION OF GRAIN

Various boards of trade and other commercial organizations interested in the marketing of grain, whose speculative profits depend largely on the maintenance of the present variable inspections under State auspices, are represented in Washington by busy lobbyists against the passage of the proposed National inspection law. The interests of the farmer, of the miller, and of the consumer of grain demand that uniformity of inspection which can be secured only under a National inspection law.

It will be well for producers of grain to write to their Representatives and Senators in Congress, and to Senator P. J. McCumber, who has the bill in charge, urging the passage of a National grain-inspection law.

Address all of these at Washington, D. C.

FARMERS' WEEK AT TOPEKA.

The next annual "Farmers' Week" at Topeka will commence the week of January 6, 1908, at which time will occur the eighteenth annual meeting of the Kansas Improved Stock Breeders' Association, the thirty-seventh annual meeting of the Kansas State Board of Agriculture, and the nineteenth annual exhibition of the Kansas State Poultry Association.

These three great events fill up an entire week of great interest and attraction to the farmer, breeder, and fancier, and every one in attendance for the week is repaid tenfold for the time and expense incurred.

For detailed information and programs concerning the stock-breeders' address H. A. Heath, secretary; for the poultry show, Thos. Owen, secretary; and Hon. F. D. Coburn for programs for the State Board of Agriculture.

This aggregation of events has ev-

every prospect of being unusually attractive, and every farmer, breeder, or fancier will be repaid for the time and expense incurred in attendance on the same.

Old members who know the practical value of being present during "Farmers' Week" will do their neighbors good, who have heretofore missed the treat in store, by bringing them along. "Whosoever will may come."

ACREAGE OF WINTER WHEAT.

Had you observed that Kansas' acreage of winter wheat is more than double that of any other State? According to Uncle Sam's December report, Kansas has now growing 5,930,080 acres of winter wheat, while Indiana, her nearest competitor, has 2,778,750 acres. The average condition of winter wheat for the entire country is given as 91.1, while the average condition in Kansas is 95.

The States having one million or more acres of winter wheat are:

1. Kansas, acres.	5,930,080
2. Indiana, acres.	2,778,750
3. Illinois, acres.	2,381,075
4. Nebraska, acres.	2,359,350
5. Missouri, acres.	2,271,150
6. Ohio, acres.	2,125,920
7. Pennsylvania, acres.	1,625,961
8. California, acres.	1,518,568
9. Oklahoma, acres.	1,378,800

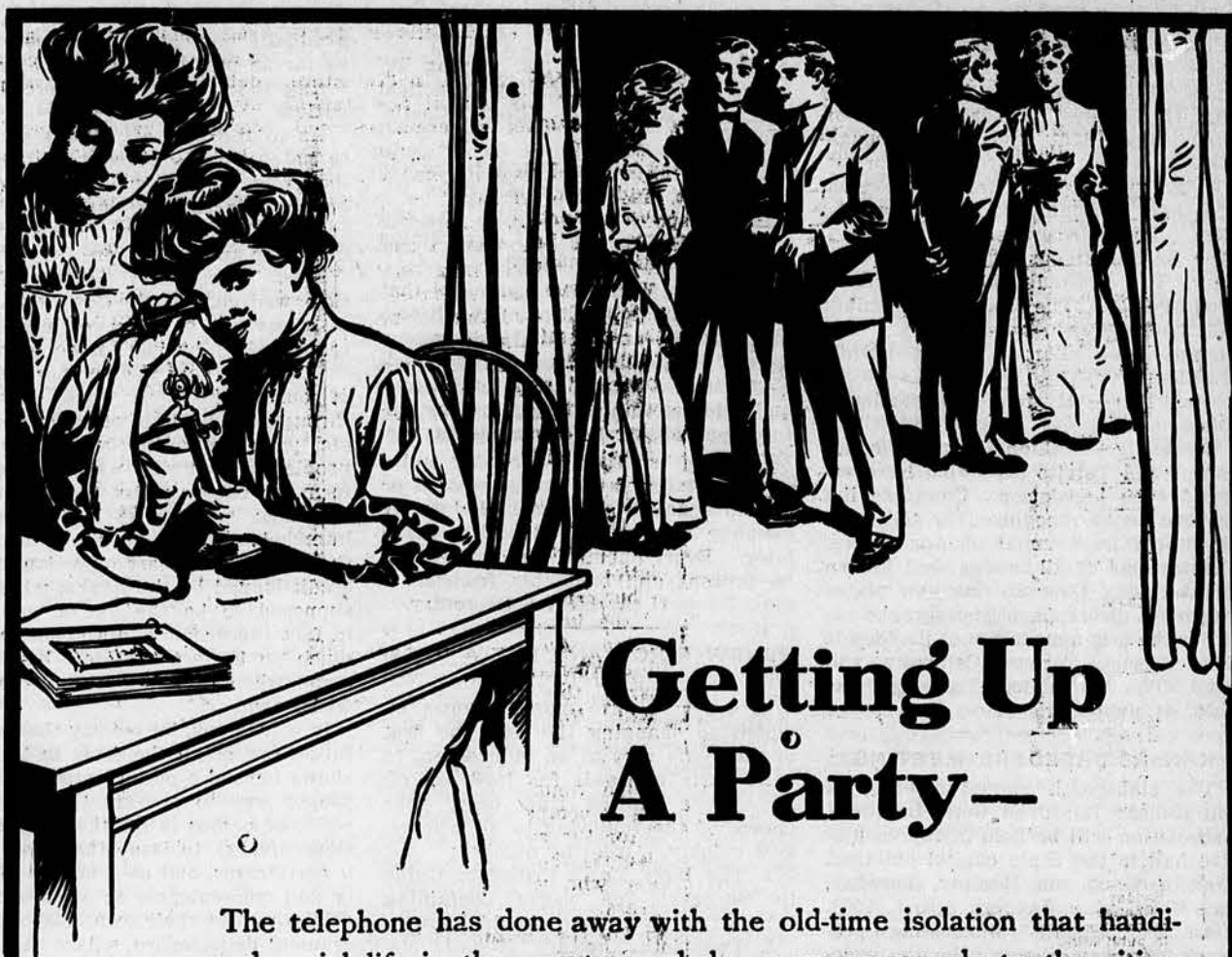
The total acreage for the United States is 31,068,513. There is little cause for wonder at the effect of the Kansas crop on the market.

EXTERMINATE THE GOPHERS.

As a result of much experimentation during the past five years by the Kansas Experiment Station, poisoning has been found to be the best method of getting rid of the gopher, especially if the area to be treated is extensive, or if a smaller tract is badly infested. The little animals do not possess the shrewdness and sagacity of the common rat, and will readily accept many kinds of poisoned bait. A poisoned sirup, prepared by the zoological department and sold to the farmers of the State at actual cost, is now very generally used. More than fourteen hundred quart cans have been sent out, and the results as reported or investigated have been uniformly favorable. This poisoned sirup is therefore recommended as the best means known at present for the destruction of pocket-gophers. The sirup is intended to be used with soaked corn as a bait. A particular advantage in the employment of a poisoned sirup, instead of baits containing crystals of strychnine, lies in the fact that large quantities of the corn bait can be easily and quickly prepared by the former method. A quart can of the sirup sells for one dollar and ten cents, and should be shipped by express. It is not mailable. Full directions for its use are printed on the label of each can.

Small pieces of potato, sweet potato, or apple, about the size of the end of one's finger, poisoned with strychnine give excellent results. Make a slit in the bait with the point of a knife and insert a crystal or two of the poison; a bit of the latter as large as a grain of wheat is sufficient. Raisins or prunes treated in the same way are readily eaten by the gopher. In all these baits the intense bitter taste of the strychnine is partially disguised until the fatal bite is taken.

No matter what kind of poisoned bait is used, the method of introducing it into the burrows is the same. Make an opening into the runway by means of a sharpened stick and drop in a few kernels of the corn or an equal amount of any of the other baits. A broomstick sharpened at the end, or, still better, a spade handle shod with an iron point and having a foot bar bolted on about fifteen inches from the end, will serve to make the open-



Getting Up A Party—

The telephone has done away with the old-time isolation that handicapped social life in the country and drove young people to the cities. In fact, the telephone has completely turned the tables, and to-day the city dweller envies his country brother the good social times that are now to be had on the farm. Perhaps you think you do not need the best instrument for a light chat with friend or neighbor, but remember that same telephone will also be called upon in your more important business when the reply of "I can't hear half you say" might be a serious matter. *Therefore buy and use only*

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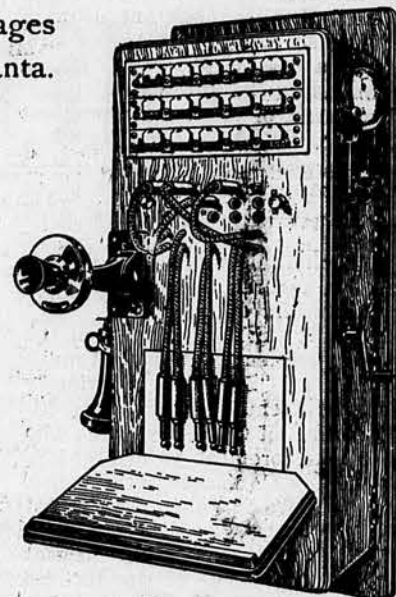
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ing. Do not close the opening after dropping in the bait. Prod for the runway at a point near where the earth of the mound seems to have been thrown out, or on a line between two adjacent hillocks. Use the poison only where fresh mounds are being thrown up, and after treating the field, level the hills of earth in some way so that the work of any survivors may be readily detected. Give these another dose.

"CUDDY'S BABY."

Among all the bright new books of the holiday time there is none more appropriate, more entertaining, more elevating, more filled with the spirit of the brave West as tempered by the spirit of the Prince of Peace than this newest production of that gifted Kansas woman, Margaret Hill McCarter. Reared on the farm Mrs. McCarter is well grounded in the kindly, neighborly spirit of country life. She portrays its trials and its triumphs with

an imagery that is touching in its truthfulness. As a mother she knows all the earnest yearnings of the mother heart, all the response of babyhood, childhood, and youth to the mother's devotion. As a woman who has seen much of the world, she has comprehensive views of life and of the people of the world. As a Christian, she sees the elements that ennoble men, women, and children. As a writer of many books, she places upon paper the conceptions of her mind in sentences that entrance the reader.

"Cuddy's Baby" is essentially a Kansas story. It is true to its setting. It is a story of love, of sacrifice, of disaster, of labor, of triumph. It is an inspiring story that none can read without entertainment, or without inspiration to do the best possible.

The book is from the presses of Crane & Company, Topeka. This is sufficient guaranty of its merit and of the excellence of its mechanical execution. The price is 50 cents. Sub-

scribers for THE KANSAS FARMER may purchase it, postpaid, at publisher's price, through this office.

"THE HORSE BOOK."

The Breeder's Gazette has just published a most valuable horse book by J. H. S. Johnston. There are over 400 pages. It is beautifully illustrated. It is up-to-date, a thoroughly practical treatise on the American horse-breeding industry, from its inception to the present, with chapters on the following subjects:

Part I.—Chapter 1—Origin of the horse. Chapter 2—Heredity as a force. Chapter 3—The stallion—desirable points and faults. Chapter 4—Embryology—impregnation—conception. Chapter 5—Management of a stallion. Chapter 6—Management of brood mares and foals. Chapter 7—Fitting for sale—market classes—trade terms. Chapter 8—Fitting for show and showing.

Part II.—The Breeds.—(The term

breed defined.)—The Drafters: The French Group—Percheron, Boulonnais, Nivernais, Ardennais, Bretonnais, Mulassiere. The Belgian. The British Group—Clydesdale, Shire, Suffolk. The Light Breeds: Thoroughbred, Arabian, Standard-bred, Morgan, Orloff. The Coach Breeds: French Coach, German Coach, Cleveland Bay, Yorkshire Coach, Hackney. The Saddle Breeds: Five-gaited Saddle, Three-gaited Saddle, Hunters, Polo Ponies. The Breeds of Ponies: Shetland, Welsh, and others. The Range Horse. Three Celebrated Draft Stallions.

Part III. — Hygiene—Unsoundness, Disease.

Appendix.—Stallion lien laws of all States and Territories which have enacted such legislation. Complete list of stud books recognized by the United States Department of Agriculture. Illustrations of all breeds well known in America. Over 50 fine new plates engraved direct from photographs.

For the accommodation of its friends The Kansas Farmer Company will send "The Horse Book," postage prepaid, at publisher's price, \$2.

KANSAS BREEDERS' MEETING.

The eighteenth annual meeting of the Kansas Improved Stock-Breeders' Association will be held in representative hall in the State capitol building, Topeka, Kans., on Monday, Tuesday, and Wednesday, January 6 to 8, 1908.

An exceptionally interesting program has been prepared by the executive committee. There are several business matters that come up for action at this meeting which are of prime importance to every owner of pure-bred stock. One important matter is to decide on a uniform tax for pedigreed stock, advisory for the new tax commission. Several other matters will be programmed for general discussion and final action.

Among the attractions of the regular program may be mentioned the following:

Col. W. A. Harris, the most eminent authority on improved stock in America, will favor Kansas this year with an address on the "Importance of a Live-Stock Industry to the Agriculture of the Country."

Prof. D. H. Otis, assistant dean of the Wisconsin College of Agriculture, will have a special paper on "Breeder's Community of Interests."

G. G. Burton, of Topeka, a prominent breeder of dairy cattle, who has spent much time visiting the leading cattle centers of America, will have a paper on, "The Present Appreciation of a Good Cow."

The "Public Sale Problem" will be a subject for general discussion, led by Chas. E. Sutton, of Lawrence.

Prof. C. W. Burkett, director of the Kansas Experiment Station, will make an address on "Selection, a Primary Breeding Problem."

E. E. Axline, of Oak Grove, Mo., who is one of the foremost swine-breeders in America, will discuss in a paper, "The Importance or Value of a Correct and True Pedigree."

Prof. R. J. Kinzer, of the animal husbandry department of the Kansas Agricultural College, an expert judge of fine stock, is to discuss "Observations in Judging Exhibition Stock."

The general discussion of "State Taxation of Pedigreed Stock" is to be led by two ex-presidents of the association, C. A. Stannard, of Emporia, and S. C. Hanna, of Howard.

"Sheep, Present and Past," is an important subject to have special attention this year, and the opening paper will be by Hon. Geo. Plumb, of Emporia.

Geo. Stevenson, of Waterville, Kans., retiring president American Aberdeen-Angus Breeders' Association, is slated for an address, subject to be announced later.

The Kansas branch of the Red Polled Cattle Club of America has delegated Wilkie Blair, of Girard, to discuss "Dual-Purpose Cattle."

The Kansas State Veterinary Medical Association has selected Dr. Burton Rogers, veterinary assistant Kansas Agricultural College, who will make an address on "A Plan to Completely Eradicate Animal Tuberculosis from This Country in One or Two

Years Without Cost or Loss Above Present Losses."

"Raising the Calf vs. Buying It" is the subject of a bright and practical paper by Rodney A. Elward, Castle-ton, Kans.

"The American Carriage Horse" is an attractive discussion slated for Dr. Carl W. Gray, of Harrisburg, Pa., and Geo. M. Rommell, of the United States Department of Agriculture.

Secretary Heath has a prospect that Alvin H. Sanders, editor of the Breeder's Gazette, and B. H. Heide, manager of the International Live-Stock Exposition, Chicago, will be present and address the meeting, unless unforeseen business engagements prevent.

The details of the social session or annual banquet, to be held Wednesday evening, January 8, 1908, will be made later. Every member is expected to be present and bring his friends.

H. A. HEATH, Secretary.

RENEW QUICK AND GET A PRESENT.

In order to save much expense incident to changing the lists the first of the year; also as an inducement to send early renewals for 1908, we offer, for a limited time only, your choice of the following to all who renew quickly. Order by number:

1. The Busy Man's Friend or Guide to Success; 256 pages containing things that every one should know.
2. Twentieth Century Homes; designs of plans for homes, well illustrated.
3. Poultry Culture or Poultry Gazette, one year.
4. Weekly Capital or Kansas City Weekly Star, one year.
5. Five Hundred Hog Questions, a manual for hog-breeders.

THE KANSAS FARMER has received an inquiry from one of its subscribers on Route 1, Mound Valley, Kans., asking about our clubbing rates. The writer omitted the signing of his name to the letter so we can not reply by mail. We hope he will take notice and write again.

Miscellany

The Question of Safe Banks.

EDITOR KANSAS FARMER:—I note the fact that you are giving some space in almost every issue of your paper to the money tinkers. Well, if I should desire to say my say, what then?

It is well known, for it has been heralded from every platform in the State during previous political campaigns, "That we have the best banking system the world has ever seen." All of which would cause us to echo like Richard Mayne, Jr., "Alas, poor old world."

The problem of constructing safe banks doing a business on credit is very like the problem before the "School Destrict Meetin'" which wanted to build the new schoolhouse out of the old one and not tear the old one down till the new one was done.

I think it would be safe to say that, if selfish interests could be laid aside, it would not take long to settle the problem. The real difficulty is in building up a system which, while it gives to certain corporations the right to tax the people for using their own money and credit, shall prevent them from abusing that special privilege so graciously granted.

If the Government, that is, the people, through their representatives, will grant these special privileges, we should not abuse the grantees for taking advantage of them. And it is further my opinion that all good citizens should earnestly support these institutions through the present crisis, so that they may be able to protect the borrowers; for to compel payment, in money, at this time, when there is practically no money to be had, of the notes given for borrowed credit (not money) must necessarily cause great hardship to many. So it seems to me the proper thing to do is to actively support these institutions to the ex-

tent that these obligations may be gradually liquidated, and thus prevent as far as possible the misery and suffering that would follow forced liquidation.

As to the new expedients proposed to patch up the present system they look very much to me like they might have emanated from the "home for the feeble-minded" rather than from business men and statesmen.

I was much entertained by the article written, I believe, by the officer of a savings bank, revealing the extent to which business is done on credit. The fact that over ninety per cent of our business is done on credit through the medium of checks, drafts, etc., proves conclusively to me that the people care nothing whatever for the form, or character, of the medium of exchange, so long as it performs its intended function. You will also note the fact that a large portion of the credit loaned by the banks, while it is supposed to be the banks' credit, is in fact the credit of its depositors, so much so in fact that few banks can stand when their depositors' credit is withdrawn.

In conclusion, let me say that a careful review of all the facts in the case shows beyond a peradventure, that the proper way to prevent the oft recurrence of panics is for the people (the Government) to issue their own credit certificates, and as a matter of safety and convenience, be allowed to deposit them in their own, that is, Government depositories, where there will be no need of red tape guarantees of deposits.

Yours for a square deal to the banks as constituted, the debtor in need and the people who have to foot the bills and should be made secure in their liberties and pursuit of happiness.

Coffey County. O. M. RICE.

Corrected Crop Estimates.

The final estimates of the Crop Reporting Board of the Bureau of Statistics of the Department of Agriculture (in which certain necessary corrections have been made in the earlier preliminary estimates) based on the reports of the correspondents and agents of the Bureau, supplemented by information derived from other sources, indicate the acreage, production, and value, in 1907, of the farm crops of the United States named in the following table to have been as stated therein:

	Acreage, acres.	Production, bushels.	Value per bu. cents.	Farm value, December 1, 1907.
Corn.....	99,931,000	2,592,320,000	51.7	1,340,446,000
Winter wheat.....	28,132,000	409,442,000	88.2	361,217,000
Spring wheat.....	17,079,000	224,645,000	86.0	193,220,000
Oats.....	31,837,000	754,443,000	44.3	334,568,000
Barley.....	6,448,000	153,317,000	66.6	102,058,000
Rye.....	1,926,000	31,566,000	73.1	23,068,000
Buckwheat.....	800,000	14,290,000	69.8	9,975,000
Flaxseed.....	2,865,000	25,851,000	95.6	24,713,000
Rice.....	627,300	18,738,000	85.8	16,081,000
Potatoes.....	3,124,000	297,942,000	61.7	183,880,000
Hay.....	44,028,000	*63,677,000	\$11.68*	743,507,000
Tobacco.....	821,000	†698,126,000	†10.9†	76,234,000

*Tons. †Pounds. ‡prices of cigar types nominal.

The average weight per bushel is shown by reports received by the Bureau to be 56.9 pounds for spring wheat, 58.9 pounds for winter wheat, and 29.4 pounds for oats.

Kansas State Board of Agriculture.

Following is the program of the thirty-seventh annual meeting:

WEDNESDAY, JANUARY 8, 1908.

Afternoon Session.—Opening at 4 O'clock.

Roll-call.
Appointment of committees.
Reading of minutes of preceding meeting.

Report of treasurer.
Report of committee on credentials.
The topics following will be taken up and considered, as near as may be, in the order given. Papers will be subject to pertinent discussion, and delegates are urged to prepare for these discussions. Others present, of whom there are likely to be a large number, will also, as heretofore, have the privilege of participating in the discussions, and are cordially invited to do so.

Evening Session.—7:30 O'clock.
Address of Welcome, Gov. E. W. Hoch.
Address of Welcome on Behalf of City, Mayor Wm. Green.

Response, Pres. A. L. Sponsler.
"Mutual Insurance for Farmers," C. F. Mingenback, secretary Farmers' Alliance Insurance Company, McPherson.

THURSDAY, JANUARY 9.

Morning Session.—9:30 O'clock.
"Wheat-growing in Western Kansas," G. R. Werner, Colby.

"Twenty Years' Experience and Observation of Agriculture in Western Kansas," W. A. Smith, Hays.

Afternoon Session.—1:30 O'clock.
"Alfalfa as a Feed for Swine," R. J.

Kinzer, State Agricultural College, Manhattan.

"Relation of the Farmer to the Banker and the Banker to the Farmer," Peter Shiras, Vice-President Peoples National Bank, Ottawa.

Evening Session.—7:30 O'clock.
"Denatured Alcohol and the Farmer," Rodney H. True, United States Department of Agriculture, Washington, D. C.
"A Homely Maxim by a Wise Man," Mrs. Lilla Day Monroe, Topeka.

FRIDAY, JANUARY 10.
Morning Session.—9:30 O'clock.
"The Gasoline Engine on the Farm," Fred R. Crane, University of Illinois, Urbana.

"Popular Uses of Portland Cement," E. Haworth, University of Kansas, Lawrence.

Afternoon Session.—1:30 O'clock.
Election of Officers and Members.
"The Farmer's Horse," Dr. Carl W. Gay, in charge of the horse-breeding for the Pennsylvania State Live-Stock Sanitary Board, Harrisburg.

"Experiments with and Knowledge of the 'Green Bug' to Date," S. J. Hunter, University of Kansas, Lawrence.

Query Box.
Meeting and Installation of new Board in the Secretary's office.

Evening Session.—7:30 O'clock.
"Consolidation of Rural Schools," E. T. Fairchild, State Superintendent of Public Instruction, Topeka.

"Balance Rations," Mrs. Eustace H. Brown, President Kansas Federation of Women's Clubs, Olathe.
Adjournment.

OTHER MEETINGS.

The Kansas Improved Stock-Breeders' Association will hold its regular annual meeting at Topeka, in the capitol building, in the same week as the State Board of Agriculture (Monday, Tuesday, and Wednesday, January 6, 7, and 8); the Kansas Swine-Breeders' Association will be in session January 7, and the State Poultry Association will be holding its annual poultry show in the Auditorium during the entire week.

Secretary H. A. Heath, Topeka, will furnish programs for, and information about, the stock-breeders' meeting; Secretary I. D. Graham, Topeka, about the swine-breeders' meeting; and Secretary Thomas Owen, Station B, Topeka, about the Poultry Association's meeting and show. It is believed that no man or woman interested in the agricultural and live-stock industries, or in wholesome home-making, can attend these meetings without profit. Their sessions and discussions are open to all.

RAILROAD RATES.

Passengers can buy tickets from all stations in Kansas, and Kansas City and St. Joseph, Mo., to and from Topeka, at the rate of two cents per mile, and this makes it possible for those in even the most moderate circumstances to take advantage and

have the benefit of these important meetings.

HOTEL RATES.

Rates at Topeka hotels and boarding houses will, as usual, be reasonable, and accommodations can readily be secured suited to the purses of all classes.

State Dairy Association.

The following is the program of the twenty-second annual meeting of the Kansas State Dairy Association, to be held at the State Agricultural College, December 31 and January 1:

SESSION I.—BUTTER-MAKERS AND CREAM-ERYMEN.

"Observations on Quality of Contest Butter," J. G. Wynkjer, Agent U. S. Dairy Division.

Discussion.
"Improving Cream and Butter Quality," J. C. Kendall, Kansas State Dairy Commissioner.

Discussion.
Announcing results of contest—Awarding prizes—Presentation of silver cup.

SESSION II.

President's address, T. A. Borman, President Kansas State Dairy Association.

"Dairy Economics," R. M. Washburn, Missouri Dairy Commissioner.

SESSION III.

"The New Year and Kansas Dairy-ing," D. M. Wilson, Assistant Dairy Husbandry Kansas Agricultural College.

"Development of Dairy and Creamery Interest in Kansas," W. W. Marple, Ex-President Missouri Dairy Association.

"Extension to Uncle Sam's Dairy

Work." Ed. H. Webster, Chief Dairy Division, U. S. Department Agriculture.

SESSION IV.

"Building a Dairy Herd Quickly and with Smallest Cash Outlay."—G. C. Wheeler, Assistant Dairy Husbandry, Kansas Agricultural College.
 "Practicability of Milking Machine."—Henry Van Leeuwen, Dairy Farmer, Ottawa, Kans.

Report of committees—Secretary's report—Election of officers.

The Sunflower Agricultural Association.

EDITOR KANSAS FARMER:—The Sunflower State Agricultural Association will hold its second annual meeting in Topeka, Wednesday and Thursday, January 15 and 16, in the representative hall. All members and farmers are urged to attend this meeting, as work of much importance is to be done. A program will be sent upon request. ARTHUR EMERY, Secretary. Lawrence, Kans., Route 5.

Resolutions of Interest to Farmers of Kansas.

At a convention of Southwest Kansas and Oklahoma Implement Dealers held at Wichita, Kans., last week, the dealers passed the following resolutions of interest and affecting the farmers of Kansas:

"That we view with considerable apprehension, the apparent purpose of Attorney-General Jackson to drive the International Harvester Company out of the State of Kansas.

"That, while we are in sympathy with him in the belief that his purpose is simply to force them to conform, in their business methods, to the laws of our State, yet we can not endorse any effort which looks toward driving them permanently or temporarily out of business in the State of Kansas, for the good and sufficient reason that practically 80 per cent of the harvesting machinery owned and operated by our farmer customers are of the manufacture of the International Harvester Company, and the REPAIRS needed for said machines can only be purchased from that company.

"It would be unnecessary, unjust, and unwarranted hardship to these farmers to force the International Har-

vester Company to remove their repairs and machines from the State, and thereby make it impossible for the said farmers to conveniently or quickly procure necessary repairs with which to put the machines owned by them, in condition to harvest their crops.

"We feel that the loss and disaster to the agricultural interests of the State by such action as Attorney-General Jackson is pursuing, merits our most vigorous protest and we do hereby earnestly protest against such purpose."

ATTRACTIVE PRESENTS FOR ONE RENEWAL AND ONE NEW SUBSCRIPTION.

For only one renewal and one new subscriber for THE KANSAS FARMER at one dollar each, your choice free of the following great offers:

Offer No. 1.—Cosmopolitan Magazine, three months; National Home Journal, one year; Farm News, one year.

Offer No. 2.—The Mothers' Magazine, one year; Dressmaking at Home, one year; Spare Moments, one year.

Offer No. 3.—The Army and Navy watch, stem wind and set.

Offer No. 4.—THE KANSAS FARMER pocket knife.

Offer No. 5.—Three dozen Handy Holdfast clothespins and 1 holder (made in Kansas, and will not split, tear, nor freeze to line).

Stock Interests

Alfalfa for Farm Stock.

Can alfalfa be depended upon as a successful pasture for all kinds of farm stock? Does it make healthy hay for horses? I used it for a while last summer and my horses seemed to urinate too often and grow thin in flesh. I am told that as a pasture it will not stand close cropping, and that it will cause abortion and bloat in cattle. Will a mixture of other grass

lessen the tendency to bloat, and if so what grass do you recommend?

MARTIN MCCARTHY.

Dickinson County.

As a pasture crop for growing swine and horses, alfalfa is unexcelled. The ruminant animals are very apt to bloat when pastured on alfalfa, especially under certain conditions. It is pastured, however, quite extensively over the State during the fall with cattle, and a great many farmers claim to do it without danger at this season. Some of our prominent cattlemen have solved the problem by seeding bromus inermis, orchard-grass, or English blue-grass with the alfalfa, which greatly lessens the danger of bloating. So far as I have ever heard it does not produce abortion in any farm animal. The stand of alfalfa may be seriously injured by cropping it very closely in the fall. This exposes the crown and many plants are winter-killed as a result.

To feed it successfully to horses in the hay form requires considerable skill and judgment. It is so very rich in protein, and the other feeding nutrients, that it can not be used in the way in which prairie hay or other roughage is commonly fed to horses. Farmers who carefully regulate the amount given to their work horses find it a very satisfactory feed, greatly lessening the amount of grain required to keep a horse up in flesh. It will not do, however, to keep the mangers of work horses full of alfalfa hay. They eat it so greedily that the kidneys are compelled to excrete an undue amount of nitrogen as the result. They also sweat freely. The earlier cuttings of hay and that which has been allowed to get a little ripper than is ordinarily best for cattle, gives the best results with horses.

G. C. WHEELER.

Kansas, the Hog's Happy Habitat.

F. D. COBURN, SECRETARY KANSAS DEPARTMENT OF AGRICULTURE.

It was well said by a former cabinet minister that in the American hog we have an automatic, combined machine for reducing bulk in corn and enhanc-

ing its value. That he is a mint, and the corn of our common country the bullion he transmutes into golden coin.

In Kansas he finds the favored zone—his Eldorado—and here he always makes both ends meet; for Kansas is a corn orchard parked with grasses and fragrant with the bloom of alfalfa, the greatest forage plant vouchsafed by Providence to men; growing here in a profusion elsewhere unknown. Hence it is that Kansas possesses more of these latest model self-lubricating mortgage-removers than all New England and fifteen other States and territories added.

Uncle Sam, our foremost connoisseur of pork, but with no especial partiality for Kansas, recorded in a report for January of this year 1907 that the Kansas hogs are worth "per capita" 15 per cent more than the Missouri hog; 36 per cent more than the Kentucky hog; 56 per cent more than his Virginia compatriot; 97 per cent more than the Arkansas hog, and 148 per cent more than Florida's favorites.

There is probably no other territory of the same area as Kansas where the conditions of climate, soil, food and care are more congenial to the hog's health and wholesome development, and he is nowhere found so developed except among and by a high order of people. High-class swine are unknown and impossible among a low-class people.

Kansas swine, coinage of Kansas grass, grain and brain, in the world-arena at Chicago and then at St. Louis met the world-beaters and beat them. She has given Poland, China, Chester County, Berkshire, and New Jersey a thousand years the lead and easily distanced the namesakes of all.

The Kansas hog, in his sphere typifying the good, the true, and the beautiful, is a joy even to the Hebrew, and like the State that lends him as a solace to humanity is in but the morning of his career. His one passport, everywhere demanded and always sufficient for entree to presidents, potentates, or peasants is "Kansas" on the rind.

TEN YEARS' DAIRYING

THE dairy farmers of Kansas have prospered in 1907 as never before. This is true, not only through the sale of a larger amount of dairy products than in any preceding year, but also in the production of corn, wheat, cattle and hogs. This is the proof that dairying does not interfere with other lines of agricultural activity.

The cows will pay the taxes, buy the groceries and dry goods and pay the running expenses of the farm if given a chance. Every farmer should milk all the cows his help will permit—this is the rule generally conceded as a safe guide in dairy operations.

Cream these days returns the farmer cash and in all other respects the creamery business is conducted on strictly commercial basis. The entire dairy industry of Kansas is on a substantial and thoroughly business-like basis and while we are proud of the achievement to date we are confident that the possibilities of the future have only begun to be realized.

The Continental Creamery Company has been the leader in every advance movement connected with Kansas dairying. From the beginning we have educated, improved and extended not only the farm end of the dairy, but in the marketing of dairy products and the present development is very largely attributive to our efforts. We assure the dairy farmers of Kansas that we will lead in the future as in the past.

To our patrons of the eleven years past we express our appreciation of your patronage and assistance. We solicit your continued patronage and also solicit the patronage of your neighbors. We buy cream at nearly 500 points in Kansas and have facilities for handling double the business we have at each point. We have a big business now but it is one of our missions to extend this business until every cream producer in Kansas can avail himself of our market. If you are not within reach of one of our stations drop us a line and we can give you a market.

The following table shows the annual and aggregate production and value of butter made in Kansas for the eleven years ending with 1907, as compiled from the official records of the State Board of Agriculture:

Pounds.	Value.
1897... 37,213,928.	\$4,585,271
1898... 41,450,981.	5,230,144
1899... 43,082,767.	5,775,523
1900... 41,745,759.	6,641,692
1901... 43,771,076.	6,330,143
1902... 44,350,829.	7,517,331
1903... 46,222,022.	7,876,227
1904... 42,862,366.	7,021,220
1905... 42,423,814.	7,741,717
1906... 43,378,171.	8,183,665
1907... 43,940,531.	9,705,423
470,442,244.	\$77,248,356

THE CONTINENTAL CREAMERY COMPANY, - TOPEKA, KANSAS

Field Notes

LIVE STOCK REPRESENTATIVES.

J. W. Johnson, Kansas and Nebraska
L. K. Lewis, Kansas and Oklahoma
Geo. E. Cole, Missouri and Iowa

PURE-BRED STOCK SALES.

Shorthorns.

February 17—C. M. Garver, Abilene, Kans.
Feb. 18—J. F. Stodder and others, Burden, Kan-
sas; sale at Wichita, Kans.
March 17—T. K. Tomson & Sons, Dover, Kans., at
Kansas City, Mo.

Herefords.

January 4—E. R. Morgan, Blue Rapids, Kans.
Feb. 20—A. Johnson and others, Clearwater, Kan-
sas; sale at Wichita, Kans.
February 25, 26, 27—Combination sale of Herefords
at Kansas City, Mo., C. A. Stannard, Mgr.

Holstein-Friesians.

February 11—Henry C. Glesman, St. B. Omaha
Neb.

Poland-Chinas.

January 13—A. B. Garrison, Sumnerfield, Kans.
January 16—Chas. E. Hedger, Garden City, Mo.
January 18—F. F. Oerly, Oregon, Mo.
January 18—W. A. Davidson, Simpson, Kans.,
and Thos. Collins, Lincoln, Kans., at Glasco, Kans.;
January 20—B. Walters, Wayne, Kans.
January 20—A. & P. Schmitz, Alma, Kans.
January 20—H. K. Paulkner, Jamesport, Mo.
January 20—C. W. Dingman, Clay Center, Kans.
January 21—J. W. Ward, Belleville, Kans.
February 1—Howard Reed, Frankfort, Kans.
February 4—C. E. Tennant, New Hampton, Mo.
February 6—R. E. Maupie, Pattonsburg, Mo.
February 7—F. D. Fulkerson, Brimmon, Mo.
February 8—W. T. Hammond, Fortis, Kans., at
Manhattan, Kans.
February 10—F. F. Oerly, Oregon, Mo.
Feb. 12—Charles P. Fisher, Glasco, Kans., at Con-
cordia, Kans.
February 13—A. P. Wright, Valley Center, Kans.;
February 14—H. W. Phelps, Scottsbluff, Kans.
February 15—Loren & Gregory, Beloit, Kans.
February 17—C. M. Garver, Abilene, Kans.
Feb. 20—E. Axline and Knapp Bros., Inde-
pendence, Mo.
February 21—B. F. Ismael, Laredo, Mo.
Feb. 25—L. D. Arnold, Abilene, Kans.
Feb. 26—W. H. Bullen, Belleville, Kans.
Mar. 12—W. C. Topliff, Abilene, Kans.

Duroc-Jerseys.

January 20—Shepherd & Mullins, Abilene, Kans.
January 21—J. L. Cook, Marysville, Kans.
January 22—Geo. Kerr, Sabetha, Kans.
Jan. 25—R. H. Erickson, Fairview, Kans.
January 25—J. B. Davis, Fairview, Kans.
Jan. 26—Samuelson Bros., Bala, Kans., bred sow
sale at Cleburn, Kans.
January 24—J. H. Mellenbruch, Morrill, Kans.
January 25—W. L. Vick, Junction City, Kans.
January 27—J. E. Jones, Clyde, Kans.
January 28—Grant Chapin, Green, Kans., at the
Agricultural College, Manhattan, Kans.
January 29—J. O. Hunt, Marysville, Kans.
February 4—R. H. Welch, Waterville, Kans.
February 6—C. G. Steele, Barden, Kans.
February 7—J. F. Chandler, Frankfort, Kans.
February 7—J. C. Logan, Onaga, at Havensville,
Kans.
February 10—Pearl H. Padgett, Beloit, Kans.
February 10—Ward Bros., Republic, Kans.
February 11—L. D. Padgett, Beloit, Kans.
February 11—John M. Morrison, College View,
Neb.
January 13—Kirkpatrick & Wilson, Lincoln, Neb.
Feb. 14—John W. Taylor & Roy C. Williamson,
Edwardsville, Kans., Combining brood sow sale.
February 18—John W. Jones & Son, Concordia,
Kans., bred sow sale.
February 19—W. O. Whitney, Agra, Kans.
Feb. 18—T. P. Teagarden, Wayne, Kans.
February 20—J. L. Williams, Belleair, Kans., at
Smith Center, Kans.
February 22—Geo. Kerr, Sabetha, Kans.
February 22—E. M. Myers, Burr Oak, Kans.
February 23—J. B. Davis, Fairview, Kans.
February 27—D. O. Bancroft, Downs, Kans.
February 28—R. G. Sollenbarger, Woodston, Kans.
March 3—R. E. Mather, Centerville, Kans.
March 4—Burt Finch, Prairie View, Kans., at
Norton, Kans.

O. L. C.

February 1—Matthews Bros., Grant City, Mo.
February 18—John Cramer, Beatrice, Neb.

Percherons.

Feb. 23—D. E. Reber, Morrill, Kans.
Feb. 18—J. W. and J. C. Robinson, Towanda, Kan-
sas; sale at Wichita, Kans.
February 22—R. J. Ream & Co., Kansas City, Mo.
March 12—R. J. Ream & Co., Denver, Col.

Jacks and Jennets.

January 10—Henry D. C. Poo, Blackburn, Ok.
March 2—Limestone Valley Jacks and Jennets
L. M. Monsees & Sons, Smithton, Mo.

Combination Sales.

January 8, 9, 10—Breeder's sale of Registered Draft
horses and trotters at Bloomington, Ill.; C. W. East,
Manager, Bloomington, Ill.
February 12, 13, 14—Combination Sale Improved
Stock Breeders Association of the West, Chas.
M. Johnson, Secretary, Caldwell, Kans.

F. F. Oerly, the Poland-China breed-
er of Oregon, Mo., is arranging for a
great brood sow sale in February. It
will be remembered that his sale this
fall was one of the very best of the
season. Mr. Oerly is breeding the kind
that are in demand by the most pro-
gressive and up-to-date breeders of the
present times and it is safe to predict
that his coming sale will outstrip any
endeavor he has ever made in this di-
rection. They are the kind that a su-
periority of stringency of finance does not
seem to materially affect. Keep Febru-
ary 10 open, for Oerly sells on that date
and you will certainly want some of the
choice things he will offer for your
consideration at that time. Watch
these columns for further mention of
this event.

Because of failing health a desire
to change his location to a milder cli-
mate, Mr. R. F. Norton, of Clay Center,
Kans., will disperse his entire herd of
Duroc-Jersey swine on February 13.
This herd is known as the Orchard Hill
herd and is now in the best condition.
All stock except the herd boars will be

offered at private sale until January 20
when they will be catalogued for the
public sale. The Orchard Hill herd has
become widely known as one of the
good herds of Northern Kansas and the
regret which Mr. Norton feels at being
compelled to disperse it is also felt by
those who know him and the hogs.

W. H. Bullen, Belleville, Kans., breeds
the big Poland-Chinas and will sell
draft of bred sows at his farm two
miles from Belleville, February 26.
Write for a catalogue and arrange to
attend. His is surely the pork barrel
kind.

A. J. Vaughn, of Garnett, Kans., was
given eighteen premiums on twenty-six
birds shown at the Garnett Poultry
Show, December 16 to 20. Mr. Vaughn
breeds three varieties of birds, S. C.
Brown Leghorns, Rhode Island Reds,
and Model Anconas. Mr. Vaughn's birds
are very choice, his Anconas being
headed by a prize-winning bird, a cross
of the Sycks strain of England and the
Johnson strain of S. Wales. See Mr.
Vaughn's advertisement in this issue if
you want something good.

Chas. Morrison & Sons, owners of the
Phillips County herds of Red Polled cat-
tle and Poland-China swine write that
they have just shipped two Red Polled
bulls to W. B. Canfield, Goodland, Kans.
Mr. Canfield has used Red Polled bulls
in his herd for several years and now
has a fine herd of hornless Red cattle.
The Morrison's have also sold 16 head
of registered cows and heifers to Spen-
cer and Steinmeyer, Alta Vista, Kans.
These gentlemen bought 11 head last
fall from Mr. Morrison, and were so
well pleased that they have now bought
the other 16. The cows were all of
good milking strains and most of them
were bred to Larnford 1321, one of the
best bred dairy bulls in the West; as
his sire and dam were both imported
from England.

The Morrison's still have a few young
cows and heifers and young bulls for
sale that are ready to be shipped. Mr.
Canfield also took Poland-China boar
sired by Prince Wonder along with his
bull. Mr. Spencer also took a Prince
Wonder boar home with him. Prince
Wonder 14279 is said to be the largest
hog in Kansas of this age and it is
thought that he will weigh 1,200 pounds
at three years old. His quality is such
that people who see him always want
some of his get or a sow or gilt bred
to him. There are more hogs of this
kind for sale on the Morrison farm.

February 8 is the date of John Cra-
mer's great K. Garnett O. I. C. bred-sow
sale at Beatrice, Neb. Mr. Cramer's
herd of O. I. C. hogs at Beatrice is one
of the best advertised herds in the Uni-
ted States and his territory is where
his herd is the best advertised. His
offering on the 8th is made up of forty
bred sows and ten very choice spring
boars. There will be six tried sows
and ten fall yearling sows. The bal-
ance are early spring sows sired by K.
Garnett and bred to Choice Goods. The
writer visited this herd a few weeks
ago and is in a position to recommend
this offering of bred sows and his ac-
quaintance of several years with Mr.
Cramer warrants him in stating that
everything will be found as repre-
sented and guaranteed by Mr. Cramer
or your money back. Practically every-
thing offered is of Mr. Cramer's own
raising. The ten spring boars are the
reserves of about eighty boars.

The tried sows are among the best
in the herd and are all good and guar-
anteed breeders. The sale will be held
in Beatrice under cover and breeders
attending will be taken good care of as
Mr. Cramer's guests.

For further information about breed-
ing and other particulars look up his
big display advertisement on page 1416.
For a catalogue, which is now ready,
address him at Beatrice, Neb.

Robt. Guthrie, Superior, Neb., will
disperse his well-known herd of Short-
horns at that place Friday, January 31.
This herd is one of the good herds to
be found in that part of Nebraska and
the breeding as well as the individual
merit is all that could be desired. Mr.
Guthrie founded the herd along about
1890 and it has been noted ever since
because of the high quality of the in-
dividuals that have been added from time
to time and because of the business-like
methods employed by Mr. Guthrie in
carrying on the business. It was his
ambition to build up a herd that would
attract attention far and wide and that
he succeeded is well known and a
source of much pride to Mr. Guthrie.
On the above date the entire herd will
be sold at auction at Superior and it
will prove an opportunity to those who
desire to add choice specimens of this
favorite breed of cattle to their herds
as it is only occasionally that herds of
this magnitude are dispersed with as
little publicity and preparation in the
way of fitting as this offering will have.
To those who are interested catalogue
will be mailed on application.

Ward Bros., Republic, Kans., are
among the best-known breeders of Du-
roc-Jerseys to be found in the West.
Their herd at Republic, Kans., contains
at all times the most up to date breed-
ing to be found in the country. The
date of their bred-sow sale is February
10 and will be held, as usual, at their
farm, which is located about four miles
south and east of Republic and six miles
straight north of Scandia which is on
the main line of the Rock Island. Also
about fourteen miles north-west of
Belleville. The offering consists of forty
head and is made up of tried sows and
spring gilts about equally divided. All
will be bred for March and early April
farrow. As usual nothing but tried
sows that have proven themselves to
be good producers will be offered. Sim-
ply saying they are tried sows because
they have farrowed pigs doesn't count
for much is the way the Wards put it.
The twenty gilts are the pick of this
season's crop. An attraction is the sale
will be a fine gilt sired by Billie K's
Model and out of Fancy Maid she by
Van's Perfection. She was the sweep-
stakes gilt at the Belleville fair this
season. Another fancy thing we were
shown while at their farm was a bunch
of pure-bred Angora goats. They are

pure-bred and at there sale February
10, they will offer for sale ten young
does eligible to record. They are for
sale now at private treaty.

January 29 is the date of J. O. Hunt's
annual bred-sow sale at Marysville,
Kans. As usual the offering is superb
and is being fitted and conditioned as
in the past with the best interests of
the purchaser always in view. Mr.
Hunt almost always drives his bred sows
into the sale ring in the best of condi-
tion, but the writer has watched the
results from the stand point of the pur-
chaser each season for the past four
years and the invariably good results
obtained by the purchaser are undoubt-
edly what has made the big averages
obtained by Mr. Hunt in his last two
sales possible. Mr. Hunt devotes prac-
tically all of his time to raising Durocs
and buys and sells them strictly on
their merits. He has never engaged in
the booming business, but has been
willing and ready at any time to pay
the price that it took to land the indi-
vidual that would improve his herd.
Twenty-five fall yearlings and tried
sows and fifteen early March and April
gilts make up this offering. Among the
attractions that will be offered will be
three gilts sired by Kant be Beat. We
will have more to say about the breed-
ing later on.

January 31 is the date of Thompson
Bros. sale of big smooth Poland-China
bred sows at Marysville, Kans. The
offering numbers forty head and fifteen
are big smooth, tried yearling sows
and twenty-five are spring gilts. The
spring gilts will go into the sale weigh-
ing considerable over 300 and are as
smooth and possessed of as much quali-
ty and finish as their sisters of other
herds where it is claimed their blood
is so much warmer. We have never
looked at an offering of Poland-Chinas
that possessed the quality and finish
combined with the immense size that
this offering contains. If you are in-
terested in Polands that have nice neat
heads and ears, that are on the best of
feet and legs, that have nice, smooth
coats and have combined with these
good points extra size you want to be
on hand at Marysville, Kans., January
31. The Thompson Bros. have sold for
spot cash this season over \$1,200 worth
of spring boars and have at least two
very choice young fellows left. We will
have more to say about the breeding of
the offering later. You can have them
book you for a catalogue any time.

Mr. Ikey Boys: Come out from under
the "financial ghost tree." Do business,
"there's a rainbow in the sky." 1908
means "good times" to farmers and
stockmen. \$200,000,000 more money in
circulation than on November 1, and
more being "coined" daily. Ikey! get
busy, buy imported "Peaches and
Cream" stallions and mares today. Get
into the "game of money making" by
doing business while your neighbor
waits. You will buy stallions cheaper
while the "financial ghost" is in the air.
Frank Iams, of St. Paul, Nebraska, the
"big horse importer" knows the "ins
and outs" of banking. He will take
your drafts, certified checks, time cer-
tificates of deposit or bankable notes
(at par). "Waltz me around again
Willie," then skidoo, visit Iams and
exchange our time certificates of de-
posit, checks or notes for a "Peaches
and Cream" stallion and a couple of
mares. They will make 40 per cent
and our money won't be in frenzied
banks or Canada. Ikey, boy this is a
proposition that should "look good" to
you and likely "save your bank ac-
count." All railroads lead to Iams'
town of barns (at 20 a mile). "Filled
to the roof" with new fresh importation
of 200 Percheron, Belgian, Coach sta-
llions, and mares 2 to 6 years old, weight
1,700 to 2,600 pounds, 90 per cent blacks.
Forty French and Belgian prize winners
at Paris, Brussels, and noted shows.
Fifty 1907 Nebraska State prize-win-
ners, or every last winner in Percheron
stallions and mares in 2, 3, and 4 year
olds, (barring one), and sweepstakes
and grand sweepstakes (over all), and
first prize 3-year-old coacher. Iams
sells his "show horses" annually. He
buys new and better ones each year.
For twenty-six years Iams has been
"bumping the heads" of the "gold brick
stallion salesmen" with better and
larger stallions, forcing the importer
and breeder with inferior stallions and
mares to sell them on the "auction
block" as the last resort. And, Mr.
Ikey, no first-class stallions or mares
are ever sold by "peddlers" or on the
"auction block." Iams guarantees to
sell you a better stallion at \$1,000 to
\$1,400 (few little higher), than are sold
to farmers stock company's at \$2,500 to
\$5,000. If you don't find this so, you
can have the \$500 Iams hangs up. "It's
not because your eyes are blue that
Iams tells you in his advertisements
that Iams is Iams' Sonnet (59231), four-
year business—that's why he advertises.
He wants you to smile on him with a
visit. He will make the "wheels of
business" turn round. Iams can place
\$1,000 or \$1,500 insurance on his sta-
llions. He is an "easy man" to do busi-
ness with, and his horses are so good
they sell themselves. You say: why
can Iams sell better stallions at half
the price of others? Iams buys and
sells every stallion himself at his home
barns. He buys stallions by "special
train load," 100 to 200 at a time. He
speaks the languages, saving you 20
per cent. He is not in the "stallion
trust" saving you \$300. He pays no
"slick salesman" \$1,000 to sell you a
fourth rate stallion. He has no two
to ten men as partners to share "profits"
with. He pays spot cash for his sta-
llions, owns his farm, houses, barns,
stocks, and stallions. He sells stallions
by "hot advertising" and having the
"goods" to make every statement good.
Iams sells stallions "so good" that they
do not need a "slick peddler" or the
"auction block" to sell them. Iams will
save you \$1,000 or more in commissions
and middlemen's profits. All Iams'
"show horses" and "pets" are for sale.
None reserved. You won't get away
from Iams with money or bankable
notes. He has his "selling clothes" on.
Ikey, don't let any stallion salesman
"hand you a lemon" by selling you a
\$3,000 stallion, because Iams will sell

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CAUSTIC BALSAM.
A safe, speedy and positive cure.
The safest, Best BLISTER ever
used. Removes all blemishes from
Horses. Impossible to produce
scars or blisters. Send for cir-
cular. Special advice free.
THE LAWRENCE-WILLIAMS CO., Cleveland, Ohio.

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Envelopes and all other kinds of CARDS
and Premium Articles. Sample Album
of Famous Cities and Biggest Premium List, all for a
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NEWTON'S HEAVE AND CURE CURE
A VETERINARY SPECIFIC
15 YEARS OLD. One to two cans
will cure Heaves. \$1.00 per
can. Of dealers, or express
prepaid. Send for booklet.
Rockford, Illinois, Newton Co., Toledo, O.

New York Valley Herds of Shorthorn Cattle and Berkshire Hogs.

No hogs for sale at present but will sell some extra
fine Scotch-topped bulls and heifers from 8 to 18
months old. Come and see my stock and be con-
vinced. J. T. Bayer, Yates Center, Kans.

THE ONLY
\$100.00 if it don't
run all winter.
Write today for
free trial offer.
Only Mfg. Co.
Box D, Hawarden, Ia.

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— Compiled and printed by us are perfectly
— satisfactory. Try us for your next one.
We deliver, work strictly on time.

Smith Printing Co., Hiawatha, Kan.

BALMOLINE The Corn
Husker's Friend
and Nature's Perfect Healing Salve, for Man
or Beast. Druggists, or by mail. Trial box 4c.
2 oz. 25c, 6 oz. 50c THE BALMOLINE CO.,
Sta. B., Abilene, Kans.

Stray List

For Week Ending December 19.
Kearny County—F. L. Pierce, Clerk.
COLT—Taken up, November 14, 1907, by J. C. El-
ston in Hibbard tp. (P. O. Kendall), one black mare
colt, white spot in forehead; valued at \$20.
Nemaha County—E. S. Randel, Clerk.
COW—Taken up, November 27, 1907, by Joel Over-
myer in Richmond tp. (P. O. Seneca), one red cow;
some white on face and belly, one horn droops down,
branded H. on left hip, crop off left ear.
Anderson County—M. J. Keeton, Clerk.
HEIFER—Taken up by Thomas Mulkey, in Lin-
coln tp., one yearling or short 2-year-old red heifer,
bush of tall white, some white in flanks, small horns;
no marks or brands; valued at \$18.
Week Ending December 26.
Wabunsee County—C. C. Stotler, Clerk.
MARE PONY—Taken up by Ernest Roush in
Plumb tp., August 7, 1907, one mare pony, about 10
years old, 4 feet 10 inches high, weight about 700 lbs.,
star in forehead, branded IX on left hip.
Cherokee County—R. G. Holmes, Clerk.
HORSE—Taken up by Naney Doss in Pleasant
View tp. (P. O. Asbury, Mo.), November 29, 1907,
one bay horse, star in forehead; valued at \$35.
COW—Taken up by L. H. Gandy in Garden tp.,
December 13, 1907, one white and red spotted cow,
smooth crop on left ear and spear brand on left hip;
valued at \$20.

you a better one for \$1,200. Our illus-
tration in Iams' Sonnet (59231), four-
year-old black Percheron stallion,
weight 2,100 pounds, first prize winner,
"\$1,500 topper." Write for catalogue
and eye-opener. It's a "gold mine" to
you. All your friends and cousins will
cry for it.

The Chambers Ten Strike Sale.
T. M. Chambers of Oswego, Kans.,
held his first sale, after he had pur-
chased the famous boar Ten Strike for
\$5,125, at his home place on December
13. It was considered by those in at-
tendance as having been the most suc-
cessful sale ever held in Labette County
and probably the most successful ever
held in Southeastern Kansas. Our spe-
cial representatives who was present
reports that Ten Strike is one of the
greatest boars he ever saw, and that
sows bred to his went like hot cakes.
They were all in fine condition and it
was a pleasure to be present. The sale
was conducted by Colonels Lafe Burger,
J. W. Sparks, and Frank J. Zaun. The
crowd in attendance was a large one
and several States were represented
either in person or by mail order bids.

SUMMARY.

46 head brought.....	\$3,548.50
Average on sows.....	\$76.26
Animals selling for \$25 or more:	
Fancy E. L. Goodrich Stock Farm, Eldon, Mo.....	\$305
Silky Lady 2d, Goodrich Stock Farm, Eldon, Mo.....	150
Hoopeston Belle, A. F. Hastings, Edgerton, Kans.....	80
Dainty Corrector, Snyder Bros., Winfield, Kans.....	76
Marie Meddler 2d, D. Crutcher, Drexel, Mo.....	95
Della Meddler, W. J. Honeyman, Madison, Kans.....	115
Queen Victoria Meddler, T. P. Sheehy, Hume, Mo.....	75
Impretee, Frank Hoover, Columbus, Kans.....	75
Medora Meddler, Goodrich Stock Farm.....	100
Alice Meddler, G. Wemer, Oswego,	

Free Book About Cancer

CANCER has proved its merits in the treat-
ment of cancer. It is not in an experimental stage.
Records of undisputed cures of cancer in nearly every
part of the body are contained in Dr. Leach's new
100-page book. This book also tells the cause of can-
cer and instructs in the care of the patient; tells what
to do in case of bleeding, pain, odor, etc. A valuable
guide in the treatment of any case. A copy of this
valuable book free to those interested. Address,

Kans.	75
Meddler, Goodrich Stock Farm	70
Meddler, A. F. Hastings	75
Speller, D. Crutcher	60
Mistress, F. D. Winn, Ran-	60
ph, Mo.	60
Primrose, J. K. Mahaffy, Erie,	65
Kans.	65
Speller, M. Holstine,	57.50
Chelsea, Okla.	50
Orletta, Geo. Beasley, Girard, Ks.	50
On, W. R. Adams, Oswego, Ks.	37
W. J. Honeyman	50
ndless 2d, Hine Bros., Hoopes-	100
on, Ill.	100
ange Belle, Rule & Coats, Cleve-	55
and, Okla.	140
ra, Goodrich Stock Farm	140
dy Anchor On, Goodrich Stock	180
Farm.	66
rectors Model, M. Holstine	35
ssouri's Daughter, Col. Lefe Bur-	45
ger, Wellington, Kans.	56
cial Lady 2d, Goodrich Stock	56
Farm.	55
shlight, O. A. Roads, Columbus,	50
Kans.	50
iv Perfection 2d, Polman Bros.	55
oline, Kans.	55
illa, Goodrich Stock Farm	35
sey, J. F. Hastings	50
nazing Lady, J. Wilson, Milo, Mo.	55
rector Chief Lady 2d, Goodrich	40
Stock Farm.	35
nder Keep On, Ed McDaniels,	125
Parsons, Kans.	44
ra E. L. J. Wilson	65
urna E. L. E. L. Jemison, Onel-	90
a, Ill.	33
ay Perfection, Mr. Redmond	34
ura E. L. Goodrich Stock Farm	47
time, Ed McDaniel	40
Special, N. Hohnstine	41
cial Sister, M. Hohnstine	99
ish Lass, J. Wilson	30
M. Hohnstine	30
son 3d, Snyder Bros.	30
Keepsake, Belshaw Bros., Col-	30
hester, Ill.	30
al Eclipse, Mr. Redmond	30
Margaret, A. P. Wright, Valley	30
enter, Kans.	30

W. Lorraine Good Sale of Polands. Thursday, December 19, G. W. Lorraine of Elk Falls, Kans., sold an excellent offering of Poland-Chinas at line, Kans., to an enthusiastic crowd of breeders from several States. B. Adams of Moline, Kans., connected several head to the sale, and the ring both in individuality and breeding was a credit to the consignors. Forty head was sold in all, for a total of \$3,748 which made an average of \$93.70 per head. The consignment of all young females, which were all bred to the great breeding Perfect Challenger, now owned Honeyman and Lorraine. Both of consignor are young breeders, and was Mr. Lorraine first sale. The prices paid and the enthusiasm which their offering was received the large number of old breeders present, was a great compliment to the young men, and the quality of the consignment. The sales of \$25 and follow:

ean, Bert Richardson, Mar-	\$205.00
engo, Iowa	
Charity, Stryker Bros., Fredo-	177.50
nia, Kans.	
Plumb's Opal 2d, Rule &	150.00
Coats, Cleveland, Okla.	
Lady Axline No. 105478, Bert	330.00
Richardson	
Queen On No. 105479, S. H.	250.00
Kaylor, Macon, Ill.	
Gem of Saline No. 65632, J. B.	127.50
ams, Moline, Kans.	
Meddler's Choice, W. J. Honey-	150.00
man, Madison, Kans.	
Meddler's Booklet, S. H. Kay-	170.00
lor	
Donna, J. F. Hastings, Edger-	97.50
ton, Kans.	
Daisy Go On No. 1455208, W.	130.00
J. Honeyman	
Perfect Delight, J. F. Has-	39.00
tings	
Proud Missie, F. F. Oreley,	177.50
Oregon, Mo.	
Miss U. S. Wilkes Perfection	85.00
Ed. H. Green, Moline, Kans.	
Genette L. 80814, A. K. Sell,	97.50
Fredonia, Kans.	
Beisey P. Litter of 8, Deltrich	90.00
& Spaulding, Ottawa, Kans.	90.00
Point Lace, W. J. Honeyman,	77.50
Malden Blush, J. B. Adams,	
Alvina, Floyd Mathis, Gales-	115.00
burg, Ia.	
urg Houston 10810, A. K.	45.00
Sell	50.00
Fancy, A. K. Sell	67.50
omesome Girl, W. E. Brown,	75.00
Marango, Ia.	
Miss Truand Midway, Good-	75.00
rich Stock Farm, Eldon, Mo.	
Buffodilla, A. B. Hoffman,	75.00
Reese, Kans.	
onal L. John Bolin, Leaven-	80.00
worth, Kans.	
essie L. W. J. Honeyman	57.50
Chelma L. A. K. Sell	60.00
Ruby G. W. J. Honeyman	40.00
Grant's Choice, M. Shaffer,	40.00
Moline, Kans.	
Grant's Daisy, A. K. Sell	52.50
Silver Plate, Rule & Coats	38.00
Nickle Plate, L. C. Caldwell,	60.00
Moran, Kans.	
oto, W. J. Honeyman	35.00
etsey 102960, A. K. Sell	25.00
Crystal L. J. B. Frey, Maren-	37.50
go, Ia.	27.00
Beauty, J. B. Adams	31.00
Plan 110897, C. Bird, Elk	
Falls, Kans.	
Improving, G. W. Lorraine,	40.00
Elk Falls, Kans.	
Writtle, A. B. Hoffman	80.00
elen Terry, J. F. Hastings	75.00
eta, J. B. Coats, Galesburg,	85.00

A. T. Garth Sells O. I. C's. T. Garth, of Larned, Kans., sold draft from his famous herd of C's December 17. In spite of the fact that this was one of the worst of the season, a severe snow storm nearly all day which prevented buyers from attending, his sale was a fairly good one. Mr. Garth's was an exceptional one both breeding and individual merit, and the buyers were not present personally, a large number of mail bids from different States were handled by Sparks and Zaun, who did the sale in a manner that was highly

satisfactory to the seller and the buyers. They were assisted by Col. Webb, of Larned, Kans., and every animal was made to bring the last cent. The offering was well fitted, and was a credit in every respect to Mr. Garth as a breeder. The top of the sale was the one spring gilt Lillie 39th, by Kerr Nat Jr., out of Lillie 5th, she went to the Fisher Live Stock Co., of Hastings, Neb., for \$157.00. The sale was held in Mr. Garth's cement block hog-house in which there was plenty of room, and in spite of the inclement weather everybody was perfectly comfortable. At noon Mrs. Garth treated the auctioneers and fieldmen to an elegant turkey dinner which they will not soon forget.

The totals and averages and a list of sales of \$20 and over follow:

26 females \$358; average	\$33.00
5 boars 172; average	\$34.44
31 head 1030; average	\$33.22

Boar substitute, J. W. Skinner, Adair, Okla. \$ 50.00

8. Bumper 60th 21808, A. W. Train, Lebo, Okla.	25.00
10. Rex 4th 21746, R. C. Bryne, Ocheltree, Kans.	50.00
11. Lillie 32d 21760, G. W. Keller, Larned, Kans.	32.00
12. Lillie 39th 21735, Fisher Live Stock Co., Hastings, Neb.	157.00
13. Lillie 40th 21768, L. H. Tjader, Garnett, Kans.	31.00
14. Lillie 41st 21759, H. Banks, Larned, Kans.	21.00
15. Lillie 42d 21809, S. W. Artz, Larned, Kans.	31.00
16. Lillie 43d 21819, A. Allenquist, Larned, Kans.	28.00
17. Lillie 44th 21838, G. Keller, Larned, Kans.	53.00
41. Ideal III 21732, Mr. Hoffmaster, Larned, Kans.	21.00
42. Ideal IV 21742, H. Banks, Larned, Kans.	21.00
44. Silver Best III 21702, Sallie Stark, Sugar Loaf, Mo.	25.00
45. Alice 3d 21707, A. Allenquist, Larned, Kans.	33.00
276. Sow, Mr. Hoffmaster, Villa 11th, Mr. Van Tuttle, Larned, Kans.	29.00
22. Lillian 49th 21700, Mr. Hoffmaster, Larned, Kans.	20.00
28. Villa 21th 21696, L. W. Train, Boonville, Mo.	25.00
30. Tryxie IV 21694, E. J. Mousell, Boonville, Mo.	25.00
31. Garth Bay 21673, H. Banks, Great Bend, Kans.	22.50
32. Garth Ella 21693, F. L. Doty, Great Bend, Kans.	23.00
33. Garth Ann 21703, C. W. Leighton, Tecumseh, Kans.	20.00
34. Garth Ola 21713, S. W. Artz, Silver 2d 21645, S. W. Artz, Silver 3d 21645, S. W. Artz, Silver 4th 21695, R. O. Sollenbarger, Woodston, Kans.	20.00 61.00 50.00 60.00
38. Silver 5th 21705, F. L. Doty	22.00

Colbert's Successful Poland-China Sale at Wichita.

The Poland-China sale held by Colbert & Co., at Wichita, Kans., on Tuesday of last week was a success both as to the character of the offering and prices realized. The inclement weather and other adverse conditions combined against it, but the sale had been well advertised and a good crowd of representative breeders from Missouri, Kansas, Iowa, Illinois, and Indiana, were present to avail themselves of the opportunity of getting some of the good hogs that Mr. Colbert has been raising down in Oklahoma. The hogs were in good condition and represented some of the best blood lines of the Poland-China breed. Many of the direct descendants of the most noted sires of the present day were included in the offering.

No. 1 in the catalogue, Sweet Elleen by Corrector 2d, and out of Cute Keep On, topped the sale at \$500, going to Mathews Bros. & Hubbard, of Ellinsville, Ind. The average on the entire lot was \$106.75. The sale was conducted by Col. Correll, Burger, and Snyder. Following is a list of the principal sales:

1. Mathews Bros. & Hubbard, Ellinsville, Ind.	\$500.00
2. Richardson & Frawley, Marango, Ia.	165.00
3. W. E. Morrows, Bolce, Ia.	95.00
4. N. L. Planalp, Oregon, Mo.	105.00
5. Goodrich Stock Farms, Eldon, Mo.	145.00
6. N. L. Planalp	50.00
7. L. C. Caldwell, Moran, Kans.	80.00
14. Goodrich Stock Farms	125.00
15. Goodrich Stock Farms	90.00
16. Goodrich Stock Farms	150.00
17. J. C. Hanna, Middleton, Ia.	150.00
19. F. F. Oerly, Oregon, Mo.	310.00
21. J. M. Baer, Elmo, Kans.	100.00
22. E. H. Ware, Douglas, Ill.	96.00
23. W. R. Hall, Caney, Kans.	52.50
24. W. D. McFarland, Chase, Ks.	70.00
25. Grant Gaines, Topeka, Kans.	175.00
28. E. E. Axline, Oak Grove, Mo.	70.00
32. Nesbit & Nesbit, Melbourne, Okla.	155.00
35. J. R. Roberts, Deer Creek, Okla.	72.50
40. R. N. Richardson, Marango, Ia.	145.00
45. A. W. Holland, New London, Ia.	60.00

S. W. Artz O. I. C's.

S. W. Artz, of Larned, Kans., the well-known breeder of O. I. C's whose card appears regularly in THE KANSAS FARMER is offering for sale some extra fine fall pigs, both sexes at prices to suit the times. These are by Kerr Riley Jr. and Toddy, his herd boars, and out of his best-breeding sows. Anyone needing first-class O. I. C. stock of this age should write Mr. Artz at once, for with his usual demand they won't last long. Mr. Artz was a liberal buyer at the Garth sale of O. I. C's and as his usual custom is, secured some of the best animals in the offering. Mr. Artz makes it a point to keep only the best and in ordering from him you are sure to get pigs worth the money.



THE FAMOUS ZENOLEUM
International College
Champion, 1906,
Owned and Fed
by Nebraska
Experiment
Station

Chicago Live Stock
World said "192 Es-
hibitors at the Interna-
tional, Chicago, are
Users of Famous
ZENOLEUM.
That tells
the story."

IT WILL HELP YOUR CATTLE

No other animal dip and disinfectant has so many real uses about the cattle-barn and feed-lot. It is valuable to the farmer and stockman, the beef-grower and the dairyman. Zenoleum kills lice, cures mange and all skin diseases. Heals sores and wounds. Stops contagious abortion. Prevents calf-cholera and scours. Its use makes clean surroundings.

ZENOLEUM

Destroys disease germs and prevents contagion. One gallon goes a long way with the average herd. Perfectly healthy animals are better producers and make greater profits. Zenoleum keeps stock well.

Forty-two State Agricultural Colleges Recommend It.

AT ALL DEALERS Small size, 25c; Quart, 50c; Half gallon, 75c; One gallon, \$1.00; Five gallons, \$4.25—or we will deliver one gallon or more, charges paid, to your station.

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If Zenoleum is not all we claim it is, or even what you think it ought to be, you can have your money back. No talk, no letters—just money.



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Zenoleum Veterinary Advice written by Agricultural College Authorities. Positively Free or the asking. Send a postal quick.

The Zenner Disinfectant Co.
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STEEL RANGES

FOR SOFT COAL OR WOOD

We have purchased the entire stock of Hardware, Stoves and Ranges at 706 Kansas Avenue, from the Coughlin Hardware Co. This stock we are reducing in all lines. On a steel range or cook stove we will save you \$8 to \$20 each. This is an honest Cost Cut Prime Sale.

Call and see us. If we sell you a range we will pay your car fare up to \$3.00.

CAPITAL HARDWARE CO.,

Successors Coughlin Hdw. Co. A. D. STEWART, Mgr.

\$15 DEEP CUT PRICES \$5

A splendid line of second hand engines, rebuilt this fall and put in first-class working order, almost as good as new. Sizes 10 to 25 horse-power. Leading makes. Favorable terms. Write for particulars, or what is better, come and let us show you.

The Prairie Queen Mfg. Co., **Newton, Kans.**
Manufacturers of the Prairie Queen Grain Separator.
Gen. Agts. for The A. D. Baker Traction Engines.

Bailey's Duroc Sale at Bonner Springs.
On Friday, December 20, Fred L. Bailey, of Bonner Springs, Kans., dispersed at public auction his entire herd of Duroc-Jersey swine. For some unaccountable reason the crowd was exceedingly small and it was truly a day of bargains for those who were present. Mr. Bailey had his hogs in fairly good condition and while they may not have been what we call today "close-up" to the great sires of this breed they were a good serviceable kind and represented some of the best blood lines of this popular hog.

The sale was conducted by Col. A. J. James, of Lenexa, Kans., who labored earnestly and efficiently to obtain a profitable price on the offering.

COMING EVENTS.

December 31 and January 1-2, 1908—Kansas State Dairy Association, Manhattan, Kans.; I. D. Graham, Secretary, Topeka, Kans.

January 6-8, 1908—Kansas Improved Stock Breeders' Eighteenth Annual Meeting at Topeka; H. A. Heath, Secretary.

January 6-11, 1908—Poultry Show at Topeka; Thos. Owen, Secretary.

January 8-10, 1908—Kansas State Board of Agriculture at Topeka; F. D. Coburn, Secretary.

February 11-12, 1908—Standard Poland-China Record Association, St. Joseph, Mo. Geo. F. Wooworth, Secretary, Marysville, Mo.

If your territory is not already taken we can give you good cash wages to act as special representative of THE KANSAS FARMER. If you can not devote your whole time we will pay cash for part of your time and pay well. Drop us a card and we will explain.

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The Stone Produce Co.,

524-526 N. Kansas Ave. Topeka, Kans.

Has SEED POTATOES

of all kinds for sale.

Write for prices. Reference,
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Breeders' Horse Sale.

Mr. C. W. Hurt, of Arrowsmith, Ill., under whose management the fourth annual breeders' sale will be held at Bloomington, Ill., on January 8, 9, and 10, writes as follows, regarding the offering: "We have 307 head entered in our catalogue, which will be mailed to the readers by Saturday, December 21, with one of the very best bunch of imported and home-bred Percheron and Shire stallions and mares to be seen anywhere, and about fifty head of these Percheron and Shire stallions and mares have just been imported this fall, and we have about 100 imported stallions and mares in this offering."

"Never did the public have such a chance to select imported and home-bred registered draft horses at public auction at their own price before. At the International show at Chicago last week, 4 of these herds won 42 premiums. Mr. Robert Burgess and Son, will have 15 imported Shires and Percherons in this sale. As he just landed with 73 head, which pedigrees can not be seen in the catalogue, but his number is there just the same and pedigrees will be at the sale. By the paper you can see that he won in most every class at the International last week, with both Shires and Percherons. He had the grand sweep Percheron mare, and the King show herd, with him. He will sell some of the very best ones he owns in either breed, especially Shire mares."

"Mr. Van Pelt & Kemp Bros., with 21 imported Percheron mares, all from 2 to 5 years old, just imported in August. All of these are bred and safe in foal, a grand lot of mares. Mr. Wm. Crownover, whose name was so often used last week, at the International show at Chicago, won 21 ribbons on Percherons and Shires, including the best Shire stallion of any age, and will have 15 head of the best he has of both breeds. Mr. James Loonan, whose herd was readily seen at the International, at Chicago, where he won a share of the ribbons. Mr. D. Augustin, with that grand bunch of Illinois State Fair winners, who won some 20 odd ribbons, with as good a bunch as ever went in the sale ring. You remember he sold the stallion to Mr. H. G. McMillan that topped his sale at \$1,100 in November of the 98 head that averaged \$421 per head."

"The breeders sale produced two-thirds of all the sale topping and prize winners of the United States today. Buyers, why not come to Bloomington and buy direct from the producers and save the middlemen commission? Hurt & Son, who bred Percherons for 34 years, and have produced some of the best of their class, including the Percheron mares, Lena and Minnie that sold at public auction for \$2,200, and Buzetta, the World's Fair first prize and grand sweepstakes mare, also the Grand Powerful 6670, the sire of \$1,100 stallion at H. G. McMillan's last sale was at the head of our herd for 17 years. Never were there but few in his class as a breeder with over 2,000 ribbons to their credit in the show ring. Mr. Ed. Hodgson will have his grand bunch of Percherons. He has been a breeder for over thirty-five years. Mr. J. C. Baker, the owner of the Percheron stallion, Hercules, the Illinois State fair winner. Mr. A. J. & F. R. Dodson, with 15 head of Percheron mares of the best types. Mr. C. E. Moots, of importing firm of C. E. Moots & Son, with 8 head of Percherons. Geo. E. Enyart, with 11 head of Percherons. Clarence Wilson, who owns the Illinois State Fair prize and sweepstakes mare of 1906."

"Now we can't name all the consignors, and these are just a few of them, as we have 40 others that are their equal in every respect, both in importing and as to breeding. We consist of 67 breeders. Its the world's horse market of registered draft horses, and of fair treatment to the buyer and seller, both alike, and if you want an imported mare or stallion of either breed, or a home bred one of either breed, that is a breeder or a show animal that registered in the original Percheron Society of America Stud Book, that is eligible to any other Percheron Stud Book published, or eligible to the Shire book, come to this sale and buy him, as our catalogue will tell you on the 307 head, where you can select from 307 head, and not from 40 or 50, where there are 40 buyers to one head, and buy him worth the money and save the commission of the middleman. Buy him from the producer straight out, who is not afraid to put his horse up before his neighbors and print his pedigree in a catalogue to the public. I will say for the outlook, we have almost double the inquiries for the sale, for our catalogue, of any sale we've every held."

International Aftermath.

The sales of beef cattle at the International Live-Stock Exposition indicates a healthy condition in the outlook for better prices for all beef breeds as well as more optimistic feeling among breeders generally.

The cattle of the various breeds were fairly representative in breeding and individual excellence.

Fifty Shorthorn cattle were sold for \$13,825, a general average of \$276.50. The top price for females was \$800, and for bulls \$1,300. Fourteen bulls sold for an average of \$335.00, and 36 females averaged \$253.75.

The Hereford breeders sold 16 head for \$6,220.00 an average of \$135.20. The top price for females was \$295.00 and \$300.00 for bulls. Nineteen bulls averaged \$125.50, and 27 females averaged \$142.05.

The Aberdeen-Angus sale of 62 head brought \$12,730, an average of \$205.30. The top price for females was \$300 and \$1,675 for the bulls. Nineteen bulls averaged \$286.85 and 43 females averaged \$169.30.

The Galloway breeders sold 40 head for 6,975, an average of \$174.35, the top price for females being \$450 and \$2,075 for the bull Camp Follower 34 of Stepford, shown in THE KANSAS FARMER last week. This was the highest price realized for any of the breeds at the International.

Sixteen Galloway bulls averaged \$272.50 and 24 females \$108.95.

The new officers of the various associations holding annual elections during the International are as follows:

American Shorthorn Breeders' Association.—President, H. F. Brown, Minneapolis, Minn.; Vice-President, J. F. Rathner, Springfield, Ill.; Secretary, John W. Groves, Chicago; Assistant-Secretary, B. O. Cowan, Chicago; Treasurer, D. W. Smith, Springfield, Ill.

Aberdeen-Angus Association.—President, W. J. Miller, Newton, Ia.; Vice-President, Geo. Kitchen Jr., Gower, Mo.; Secretary, Chas. Gray, Chicago (formerly Secretary of Galloway Association).

American Hereford Cattle Breeders' Association.—President, R. H. Hazlett, Eldorado, Kans.; Vice-President, W. S. Cargill, LaCrosse, Wis.; Secretary, C. R. Thomas, Kansas City, Mo.

American Galloway Breeders' Association.—President, J. C. Ewing, Youngstown, O.; First Vice-President, David McCrae, Guelph, Ont.; Second Vice-President, G. E. Clark, Topeka, Kans.; Third Vice-President, N. P. Clarke, St. Cloud, Minn.; Fourth Vice-President, S. M. Croft, Bluff City, Kans.

Owing to the resignation of Secretary Gray the naming of a new secretary was left to the executive committee.

The Polled Durham Breeders re-elected the old officers as follows: President, A. F. Murray, Mazon, Ill.; Secretary-Treasurer, J. H. Martz, Greenville, O.

National Polled Hereford Breeders' Association.—President, S. W. Anderson, Blaker Mills, W. Va.; Vice-President, D. McCarty, Winthrop, Ia.; Treasurer, L. K. Robinson, Kansas City, Mo.; Secretary, A. E. White, Chicago.

Percheron Society of America.—President, H. G. McMillan, Sioux City, Ia.; Secretary, G. W. Stubblefield, Union Stock Yards, Chicago.

American Association of Importers and Breeders of Belgian Draft Horses.—President, J. Crouch, Lafayette, Ind.; Vice-President, Henry Lefebure, Fairfield, Ia.; Secretary, Treasurer, J. D. Connors, Jr., Wabash, Ind.

American Shire Horse Association.—President, J. G. Trueman, Bushnell, Ill.; Secretary Chas. Burgess Sr., Wenona, Ill.

American Berkshire Association.—President, W. D. McTavish, Coggon, Ia.; Vice-President, June K. King, Marshall, Mo.; Secretary, Frank S. Springer, Springfield, Ill.

American Duroc-Jersey Swine Breeders' Association.—President, J. W. Killam, Shelbyville, Ill.; Secretary, T. B. Pearson, Thorntown, Ind.

American Shropshire Registry Association.—President, Richard Gibson, Delaware, Ont.; Secretary-Treasurer, Mortimer Levering, Lafayette, Ind.

American Southdown Breeders' Association.—President, W. H. Compton, Monroe, O.; Secretary Frank S. Springer, Springfield, Ill.

American Hampshire Sheep Breeders' Association.—President, M. C. Ring, Neillville, Wis.; Secretary-Treasurer, C. A. Tyler, Nottawa, Mich.

Continental Dorset Club.—President, John R. Nash, Tipton, Ind.; Secretary-Treasurer, Jos. E. Wing, Mechanicsburg, Ind.

American Cotswold Sheep Breeders' Association.—President, C. Hardy Shore, Glanworth, Ont.; Secretary-Treasurer, F. W. Harding, Wakesha, Wis.

National Lincoln Sheep Breeders' Association.—President, R. S. Robson, Ilderton, Ont.; Secretary-Treasurer, Bert Smith, Sharlock, Mich.

American Suffolk Flock Registry Association.—President, S. Melvern, Greenfield, Ill.; Secretary-Treasurer, Geo. W. Franklin, Des Moines, Ia.

A Woman's Advice on Raising Chickens.

Here is a letter recently received from Mrs. P. P. Wilcox, of Tecumseh, Nebraska, that will interest the readers of this paper, because it tells how she made big money raising chickens last summer. It will soon be time to begin hatching, and her advice will prove valuable to those who contemplate raising chickens for profit. She writes: "I have had good success with my chickens the past season. I started my Queen in February last, and in six months succeeded in raising 153 chickens. I have 200 laying hens that are easily worth \$100 now, besides, I have sold over \$150 worth since April first, and we used at least \$20 worth for ourselves. Of course, my chicken-raising is a side-issue with me. I can't give it much of my time, but I feel richly repaid for my investment of \$15.50 for my Queen outfit. Outside of these machines, my entire other expenses have not exceeded \$50 this year, to raise my chickens. I am glad I followed your advice and shall always recommend the Queen to poultry-raisers everywhere." In this issue you will find the advertisement of the Queen Incubator, giving a further illustration of the money-making features of this popular incubator. Look it up; read it, and send for their big 100-page free book. It will start you on the right road to make money raising chickens. Kindly mention this paper.

Raising Poultry as a Side Line.

There is money in raising poultry for the market. As a side line it fills in many unprofitable hours and pays handsome dividends the year round. You can start without a feather and select enough pullets for the first season's hatching to lay all the eggs you need for the next season, or you can market them as broilers at a good round price.

The business of raising poultry is one that doesn't require a large amount of money to start. For a few dollars you can buy either the Wooden Hen or the Excelsior Incubator, and either one will more than pay for itself with the first hatch. There's no need to pay high prices for incubators that won't do as well.

These incubators are made by George H. Stahl, Quincy, Illinois, who is widely known as one of the largest and most successful manufacturers of hatching and brooders in the country. Send for catalogue.

When writing advertisers please mention this paper.

**A FLAG FOR EVERY SCHOOL HOUSE**

The last Kansas Legislature enacted a law (Chapter 319, Laws of 1907), requiring school officers to provide and display an American flag on each school house in Kansas.

The publishers of The Kansas Farmer, Topeka, Kans., have procured a supply of standard American flags sufficient to supply each school district in Kansas. These flags are to be given as premiums and the patrons of each district can, by clubbing their subscriptions together, secure a flag of suitable size and quality with no expense to the district. Flags of standard wool or cotton bunting—any size desired.

Very many districts have already been supplied. Flags can be shipped on short notice. Order at once and send the subscriptions later. Have a new flag for the new year. Every teacher should urge his patrons to have the flag and have it now.

For sizes of flags and other particulars, address

THE KANSAS FARMER CO., .. Topeka, Kans.

FOURTH PUBLIC SALE

HIGH CLASS

Hereford Cattle

Blue Rapids, Kans., Thursday, Jan. 8, '08

41 Females—64 HEAD—23 Bulls. The females of breeding age are either carrying calves or with calf at foot by either Onward 18th or Soldier Creek Columbus 4th. Seven of them are imported. Of the 23 bulls, 20 are by Onward 18th. By far the best lot I have yet offered. My entire show herd included in this sale. Sale commences at 12:30 P. M.; to be held at the farm adjoining town.

E. R. MORGAN.

Auctioneers: { Colonels Edmonson, Brady, Gordon, Albright, Trosper.

State Butter-Makers Convention, Manhattan, Kans., December 30 and 31.

A new feature of the State Farmers Institute this year, will be the Butter-Makers Convention. A fine program has been arranged for this occasion, and we expect a large number of butter-makers, to be in attendance. It is hoped also that the butter entries will be large, and that the scoring contest held in connection with the exhibit, will be of special interest and value, to all those who participate.

This is to be a Butter-Makers Contest throughout. The butter must be entered by the butter-maker, and no one is eligible to a prize, unless he is at present engaged in making butter.

Through the generosity of The J. B. Ford Co., De Laval Separator Co., Worcester Salt Co., and Creamery Package Mfg. Co., we are able to offer cash prizes, to the butter-makers who send in the first, second, and third best 20-pound tubs of butter. First prize \$15, second prize \$10, third prize \$5.00. In addition to this, the State Dairy Association will offer a \$60 cup, to the butter-maker sending in his best 20-pound tub of butter, to keep for one year; or until such time as he shall be compelled to give it to a competitor.

We are contemplating holding a scoring contest, among the butter-makers. The butter-makers to score 5 or 10 tubs of butter, their scores to be compared with those awarded by the butter judge. Three valuable prizes are offered, to the winners in this contest. First prize, a 20 year guaranteed, gold filled, Elgin movement watch; second prize a carving set, consisting of carver, fork, and steel, genuine stag handles, german silver trimmings, in a silk lined case;

third prize consisting of a bird, stake, or chop set, carver and fork. The butter will be scored according to the score card.

The package will be taken into consideration, so we would advise shipping a 20-pound tub, in a 60-pound tub, with suitable packing around it, to keep it in good condition. The butter should be sent, express paid, to the State Dairy Commissioner, Manhattan, Kas., to arrive not later than Monday morning, December 30. It is hoped that every butter-maker in the State, will be present, and have his tub of butter here on exhibition.

Unless otherwise ordered, butter will be sold to highest bidder, and remittance made in full.

The Creamery Business in Kansas.

No State in the Union has shown such rapid progress in the dairy industry in the last 10 years as has Kansas. This has been due in large measure to the splendid climate and the great abundance of cheap milk-producing feed, but the rapid progress is more directly traceable to the up-to-date business methods and the high prices for butter-fat that have been paid by the larger creamery companies of the State. In this connection we call especial attention to the large advertisement of the Continental Creamery Company which contains much more information than is usually found in an advertising statement. The facts there given are of educational value and we hope they will be read and appreciated by the entire Kansas farmer family.

Some renew their youth like the eagle—others like the clown.

Agriculture

Breeding Wheat and Other Cereal Grains.

A. M. TENEYOK, PROFESSOR OF AGRONOMY, KANSAS STATE AGRICULTURAL COLLEGE.

The agronomy department of the Kansas State Agricultural College is breeding cereal grains by the "head-row" method, similar to the "ear-row" method of breeding corn. The plan is to make a large selection of choice heads from the general field, taking care as far as possible to select heads from the best plants. These heads are carefully examined as soon as the grain is well dried and many of the inferior ones are discarded. Perhaps two hundred of the choicer heads out of a thousand or more are saved, and each of these is shelled separately on a piece of white paper and the number of grains counted and the quality of the grain observed. If there are a relatively large number of kernels and the grain is plump, and of good color, form, and size, the grain of this head is reserved for planting, certain records being made as to the length of head, number of kernels, color, grade, and weight of grain, etc. Finally, perhaps fifty heads are selected out of the two hundred saved, and thirty grains of each head are planted on separate adjacent rows, one seed in a place, six inches apart, in rows six or twelve inches apart. (The writer prefers the wider rows with cultivation.)

Various notes are taken on this grain during its growth and at harvest time, and a careful inspection and judgment is made at harvest time, as to which rows are the most desirable to save. Several of the choicer plants are marked in each of these rows, and the whole product of each row is then harvested and bound together in a bundle. Several of the choicer heads from selected plants of selected rows are reserved for further study and selection to secure heads for future "head-row" planting. By carefully thrashing, weighing, and grading the grain, the best producers are determined.

The product of all the low producers is discarded, while the product of a few of the best producers is reserved and the grain planted in separate plots or in combination, for increase.

Only a few heads of the best-producing rows are planted in the "head-test" the next season, but a large selection of heads is again made from the field as described above.

This method of breeding wheat or any other grain does not aim to train the grain or improve it by a long process of breeding and selection; rather it aims to discover the great individuals which at once, merely by separation, may become the foundation stock of a pure and improved strain or variety.

The department has completed only one "head-test" with seven different varieties of wheat and barley but the results are remarkable. With Khar-kof wheat, for instance, the yield varied from less than one hundred grams to more than four hundred grams per head row, while the grade of the grain from the several head rows varied all the way from soft and rejected to No. 1 hard red.

The writer is convinced that this method of breeding, which is really a method of discovering the great individuals, is far preferable to the "centgener" method, and the results are much greater and are secured much more quickly.

By the "head-row" method of breeding, if the product of a single great producing head of wheat is planted each year and yields at the rate of thirty bushels of grain per acre, there will have been produced 2,700 bushels of wheat of the improved variety in four years after the first "head-test," which discovered the great producer.

The writer prefers "straight selection" as described above, and does

not think it necessary to carry on artificial crossing within the strain, as sufficient crossing doubtless takes place naturally. Selection discovers the great individuals, and it will be observed that this plan of selecting from the field gives the opportunity of choosing the best heads from among thousands of individuals and thus the chances of securing a "great individual" is much greater than by the "centgener" method, which starts with comparatively few plants which become the foundation stock from which future selections are made, largely with the idea of improving the grain by long years of careful training rather than by the discovery of great individuals which may at once become the parent stock of pure and greatly superior strains of the variety.

The writer also doubts the efficiency of out-crossing between different varieties of wheat or hybridizing with emmer or spelt, unless this crossing is done with a definite object in view. For instance, a certain variety of wheat may be a great producer but the chaff does not hold the grain well. By crossing such a variety with a variety having tighter glumes, it may be possible to produce individuals having the desirable characters of both of the parent plants, and these individuals may become the foundation stock for a new and improved variety.

The work of crossing and selection to produce new varieties is in the charge of the botanical department at the Kansas Station, the work of the agronomy department aiming only to secure pure and improved strains of the established and best-producing varieties with the purpose of propagating the more desirable selections as rapidly as possible and distributing this pure and improved grain among the farmers, since the ultimate purpose of plant-breeding is that the farmers may profit by the growing of grain of better quality and greater productiveness.

Crops for Improving Wornout Lands.

EDITOR KANSAS FARMER:—I have about 200 acres of thin land. This land has been rented for years without the crops being fed on the farm. I have manure enough for only 30 acres and want to seed the balance to the quickest soil-renewing crop in order to get the land back to life. It is all upland, gently rolling and has been good soil. I have most of it plowed and ready for whatever crop I decide to put out. What do you think of alfalfa? Also timothy and clover for this section of the State? I have had no experience with alfalfa but came here from Northern Missouri where timothy and clover grow abundantly.

Would like to know something of cow-peas, the effect of this crop on land; as to certainty of crop and value as a stock food. I am handling cattle quite extensively and need lots of winter feed. I would like to get 100 acres of the land now broken into some kind of desirable tame grass pasture as soon as possible.

W. L. RUCKE.

Woodston County.

A good crop to start the improvement of "wornout" land is cow-peas. The crop may be used as a catch crop after small grains, when it may be plowed under for green manure, pastured, or taken off for forage, or it may be planted earlier for the production of forage or seed. For further information regarding the culture and use of cow-peas I have mailed you a copy of circular No. 8.

Possibly this land may be too poor in fertility and texture to seed to grass, clover, or alfalfa, in which case a rotation with cow-peas and an application of barnyard manure will be necessary before the perennial legumes and grasses will grow successfully. However, since this land is not very greatly exhausted in fertility, you may be able to secure a stand of grass or clover by seeding early next spring, sowing the grass or clover alone or with a light seeding of oats or barley. The nurse crop may be



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Wm. Galloway, President,
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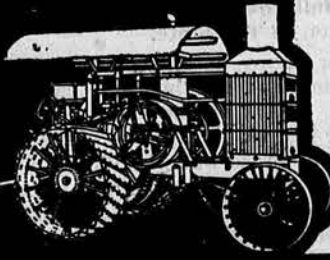
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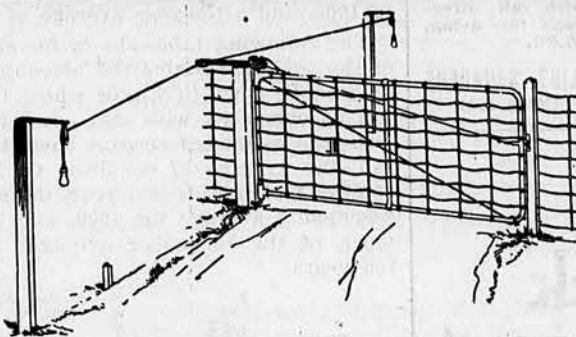
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HEALTHY TREES Honest in Quality. We pay Freight. Apple 5c, Peach 5c, cherry 15c; budded and grafted. Concord grapes \$2.00 per 100. Forest seedlings \$1.00 per 1000. Nursery and seed catalog free.

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To kill prairie dogs, squirrels, gophers, badgers, etc. The apparatus shown in out forces air through carbon bisulphide direct to holes and runways and is the most effective remedy known.

Price, complete with full directions for using, \$5.00.

FLINT SAUNDERS, Lincoln, Kans.

If You Are Sick

It is because some of the organs of the body are not doing their work well. There is a lack of that nervous energy that gives them motion. Consequently you are weak, worn-out, nervous, irritable, cannot sleep; have headache, indigestion, etc. because there is not sufficient nerve force to keep the organs active and allow them to perform their natural functions. Dr. Miles' Nervine restores health because it restores this nervous energy.

"I have been sick for a year, and did not know what was the matter with me. I tried many remedies and none of them proved of any value. I heard of Dr. Miles' Nervine. I procured a bottle, and before I had taken half of it I was better. I would have had nervous prostration if I had not got this medicine when I did. I continued to take it until I was entirely well. I have since recommended it to five of my lady friends, and they have all thanked me for doing so, for it benefited them all."

MRS. ROSE OTTO, Columbus, Ohio.
Dr. Miles' Nervine is sold by your druggist who will guarantee that the first bottle will benefit. If it fails, he will refund your money.

199 S. 2d St.,
Miles Medical Co., Elkhart, Ind.

preferred if the land is especially weedy.

I prefer to sow alfalfa in the fall when you may either fallow the land and cultivate during the summer or grow an early-maturing crop, such as oats or millet, or possibly early-sown cow-peas, which should be removed for forage, seeding the alfalfa about the last of August or the first of September.

After oats, preceding alfalfa, it may be best to plow shallow and by thorough disking and harrowing, prepare a firm, well-settled seed-bed for seeding the alfalfa, while after millet or cow-peas, disking and harrowing will usually put the land in better seed-bed condition than plowing. A light dressing of barnyard manure applied any time after plowing the oats-field or previous to disking the millet- or cow-pea-field will greatly favor the starting of the young alfalfa plants.

Timothy and clover or English blue-grass and clover should succeed well in Woodston County. Alfalfa is not grown in your county very extensively or successfully, but in the opinion of the writer it may be grown successfully on much of the land in your section of the State.

For more detailed information regarding the seeding and care of alfalfa, I have mailed you a copy of circular No. 10. Have also mailed you a copy of press bulletin 125 on English blue-grass, and circulars 2, 3, and 5 on manures, fertilizers, and rotation of crops with reference to maintaining soil fertility. A. M. TENEYOK.

Condition of Winter Wheat.

The Crop Reporting Board of the Bureau of Statistics of the Department of Agriculture, under date December 9, finds, from the reports of the correspondents and agents of the Bureau, as follows:

The newly seeded area of winter wheat is estimated as being 1.9 per cent less than the area shown in the fall of 1906—equivalent to a decrease of 596,000 acres and a total acreage of 31,069,000. The condition of winter wheat on December 1 was 91.1, as compared with 94.1 on December 1, 1906, 94.1 at the corresponding date in 1905, and a ten-year average of 93.

The following table shows for each of the principal States the percentage of acreage sown to winter wheat this fall as compared with that sown last year, the estimated acreage sown this fall, the average of condition on December 1 of the present year, the corresponding average for 1906, and the mean of the December averages for ten years:

States	Acreage compared with last year.	Acreage, 1907-08—Preliminary	1907	1906	10-year average
Kansas	100	5,930,000	95	95	95
Indiana	100	2,779,000	91	95	90
Missouri	98	2,271,000	93	91	92
Ohio	96	2,126,000	84	97	94
Nebraska	105	2,359,000	93	98	88
Illinois	101	2,381,000	91	94	94
Pennsylvania	98	1,626,000	86	98	94
California	91	1,519,000	88	90	94
Oklahoma	95	1,379,000	94	93	93
Texas	78	988,000	93	94	93
Michigan	93	896,000	87	89	94

United States. . . 98.1 31,069,000 91.1 94.1 93.0

The newly seeded area of rye is estimated as being 2.2 per cent less than the area sown in the fall of 1906—equivalent to a decrease of 46,000 acres and a total acreage of 2,015,000. The condition of rye on December 1 was 91.4 as compared with 96.2 on December 1, 1906, 95.4 at the corresponding date in 1905, and a ten-year average of 95.9.

The Hessian Fly.

PRESS BULLETIN OKLAHOMA AGRICULTURAL EXPERIMENT STATION.

The Hessian fly has made its appearance in the wheat in the northern part of Oklahoma and according to reports and field investigations the amount of damage that will result from the work of this insect will be considerable. Already some fields have been practically destroyed, and others show from 50 to 75 per cent loss.

HOW TO DETECT THE INSECT.

The insect works between the sheath

and stem near the base and by carefully pulling away the leaves it may be found as a small spindle-shaped footless grub attached by one end to the stem, or as a brown case shaped like a flaxseed and resembling a flaxseed in color. The latter case is the resting stage and known as the "flaxseed" stage. The adult flies resemble very small mosquitoes, and will not appear again until spring when they will emerge from the flaxseed cases. The adults only lay eggs, from which the grubs hatch. The grubs do the damage to the wheat.

There are two broods a year, spring and fall. The fall brood does the greatest damage to the wheat, for they attack it in the fall while the wheat is young and susceptible. By delaying planting until after the flies of the fall brood have gone, little loss will result to the crop. In Oklahoma wheat that is planted later than October 10 to 15 will escape the Hessian fly.

WHAT TO DO NOW.

If the wheat shows effects of the fly and upon examination the insect is found present, pasture the wheat. This is the only remedy that can be used and is only a partial one. The grazing will destroy some of the insects, but better still will induce the wheat to stool more freely and help to overcome the bad effects of the insects. Spraying, harrowing, rolling, etc. will have no effect. If in doubt as to the presence of the fly in the wheat, address the Experiment Station, Stillwater, Okla., enclosing sample of the wheat plants suspected of being infested.

Disk Sharpener.

EDITOR KANSAS FARMER:—I would like to ask your readers if they have used the Monarch Disk Sharpener and the makers' address? I think it is made in Chicago. J. H. BILSING, Cowley County.

No—there is no "hoodoo" hovering over those who do things on time and with care.

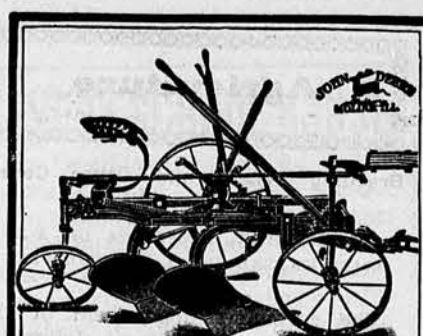
Horticulture

Potato Land and Its Preparation.

Potatoes may be grown on nearly any kind of soil. A deep sandy loam is probably the best adapted to potato-growing, though the heavy soils in favorable seasons produce equally as well. Subsoil conditions have possibly more influence over the crop than does the soil. If the water table is close to the surface, trouble from diseases is apt to result. Heavy, impenetrable subsoils sometimes bring about the same conditions, because of surface water being held from draining away. The best subsoil, especially for heavy soils that are irrigated, is a coarse gravel that allows free under drainage.

Success or failure in potato-growing often depends upon the preparation of the soil. If raw prairie land is to be used, it should be broken up the year previous, harrowed and allowed to lie fallow one season to kill and decay the turf. The following spring this land should be plowed again at a greater depth. This system will put the land in the finest kind of condition for a crop.

The best crops of potatoes in the Colorado potato-growing districts are those that have been preceded by alfalfa for three or four years. Where alfalfa land is to be planted, the plowing is done the latter part of April or early May. A heavy fourteen or sixteen-inch breaking plow is used with from four to six horses for this purpose. These plows have a wide shear so as to cut off all the alfalfa roots and the land is broken to an average depth of eight inches. The method followed at the Colorado Agricultural College is to follow the plow with the harrow after each half day's plowing. This establishes a soil mulch and prevents loss of moisture by evaporation. After this the land is left to lie fallow for about one month till time



New Deere Gang

On cold mornings you may want to walk while plowing. Maybe your boy is so small he can hardly raise a gang plow with the foot-lift when the horses are stopped. In either case the trouble is overcome by using



The Auxiliary Hand Lever

The New Deere is the only gang so made that you can raise the plows with a foot-lift or with a hand lever—or with both. The auxiliary hand lever folds out of the way when not in use.

The Booklet Beautiful

shows plows ancient and modern. Illustrated by photos of actual plowing scenes from all over the world. Ask for booklet No. 313 Mention this paper.

DEERE & COMPANY, Moline, Ill., U. S. A.

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Many styles and heights; Diamond or Square Mesh; prices low. Solid direction 30 days free trial, freight prepaid. Catalogue free.

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HEAVIEST FENCE MADE

It No. 9 Steel Wire. Well galvanized. Weighs more than most fences. 15 to 25¢ per rod, delivered. We send free sample for inspection and test. Write for fence book of 183 styles.

The Brown Fence & Wire Co., Cleveland, Ohio.

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Austin Manufacturing Co., Chicago

\$10.00 Sweep Feed Grinder. \$14.00 Galvanized Steel Wind Mill.

We manufacture all sizes and styles. It will pay you to investigate. Write for catalog and price list.

CURRIE WIND MILL CO., Topeka, Kansas.

The Old Reliable Anti-Friction Four Burr Mill.

Double the capacity of other mills. 2-horse mill has 24-ft. Grinding Burrs all grinding at once, and grinds from 25 to 50 bu. per hour. 4-horse mill has 30 feet of Grinding Burrs and grinds from 60 to 80 bu. per hour. Absolutely no Friction or Gearing. Will earn cost in 3 days. The largest ear of corn to these mills are like pop-corn to other mills. We manufacture the most durable and fastest grinding line of mills sold, including our famous Iowa No. 2, for \$12.50.

Bovee Grinder & Furnace Works, Waterloo Iowa.

BOWSER

(Sold with or without elevator.)

Crush ear corn (with or without shucks) and grind all kinds of small grain, and feed kaffir. Use Conical Shape Grinders. Different from all others.

LIGHTEST RUNNING

Handy to operate. 7 sizes—4 to 55 h. p. One size for wind-wheel use.

Also make Sweep Grinders; both Geared and Plain.

C. N. P. Bowser Co., SOUTH BEND, IND.

FEED MILLS

for planting. This gives the alfalfa a chance to rot and make the plant-food in it available for the coming crop. If rains occur during this time, the harrow is used as soon as the land is dry enough to stir, so as to prevent the formation of a crust and reestablish the soil mulch. Before planting, a leveler is used if the land surface has little ridges or hollows in it.

New comers to the irrigated districts often make the mistake of neglecting this, and trouble in irrigation always follows, as depressions fill with water and drown out the plants, while the ridges make it difficult to get the water over the field. Where potatoes follow potatoes, as is the practice after alfalfa is broken up, the preparation of the land is more simple. In this case the plowing can be done with any plow and two or three horses, and need not be done till time to plant the crop.—Press Bulletin Colorado Experiment Station.

Cementing Decayed Parts of Trees.

Beautiful shade trees and fruit trees are often permitted to go to decay when they could be saved by giving them a little attention. Injury to the bark is a great cause of trouble. No matter how the injury occurs, should the bark be injured to the extent that decay sets in it will become worse as time goes by, until the decay has taken away the solidity of all the inner wood of the tree. Of late years the cleaning out of all decayed hollows and the filling of them with cement is becoming quite common, and trees so repaired it is a pleasure to meet with often. As soon as an injury exposes the inner wood it offers an opportunity for the germs of disease to begin their work. The process of cementing is as follows: The decayed wood is gotten out entirely, even if the aid of a chisel is necessary. Then the hollow is given a good washing with bordeaux mixture, to kill the germs of any fungus that may be there, and then filled up completely with cement. This should be placed in the hole in such a way as to completely fill it to the outer bark. In some cases noted the cement has been left of its own color, but it looks better when painted to the color of the bark of the tree.—Exchange.

The Open-Tank Method for the Treatment of Timber.

REVIEW OF CIRCULAR 101 OF THE FOREST SERVICE, UNITED STATES DEPARTMENT OF AGRICULTURE.

A market saving in three directions—cost of equipment, of materials and labor, and of transportation—is being effected by the introduction of what is known as the "open-tank" method of treating timber. The general practice of preserving timber has hitherto been retarded by the heavy cost of closed retorts and other complicated equipment ordinarily used and the need of experienced men to operate them. Not until the kinds of timber long used and considered almost indispensable for certain purposes grew scarce, and rose alarmingly in price, did wood-users consider seriously the possibility of consuming less wood by making it last longer.

As a rule preserving plants have been located at lumber centers, where a large business might be expected, and it has often been necessary to pay transportation charges to and from the treating plant on timber needed for local uses, such as for ties, posts, and poles. The equipment of the open-tank method, which consists of an open tank, capable of withstanding heat and either equipped with steam coils or so arranged that fire can be placed underneath, is so simple and comparatively so cheap that it is within reach of the smaller companies, contractors, and farmers. The fact that it is portable gives it a distinctive value, since it can be taken, if necessary, into the heart of the forest, and even into the mountains.

One of the chief advantages of the open-tank process is that it can be effectively applied to parts of timbers which are especially subject to rapid decay, such as the butts of fence posts and telephone poles, without wasting

5 Great Valleys

Along the Santa Fe are Five Great Valleys. Every one of them will soon be supporting an immense population. Land can be bought today at reasonable rates and on liberal terms. In five years it will double or triple in value. A million and a half acres are now, or soon will be, irrigated. Irrigation insures crops. No drought; no washout; no uncertainty. Turn on the water; when you have enough to fulfill your requirements, turn it off. The seasons are long, the variety of crops almost limitless. Read this page carefully. Investigate thoroughly and you will be convinced that this opportunity is one you should take advantage of.

San Joaquin Valley

The San Joaquin Valley of California embraces the twelve counties between Bakersfield and Stockton. It is a valley of unlimited resources and is capable of supporting an empire.

It is a country for a man of limited means. Ten acres will more than support the average family, while twenty acres will mean a bank account in three or four years.

Anything can be grown. Fruit, vines, vegetables, cereals, all do well. While waiting for his orchards and vineyards to begin bearing, the settler can tide himself over with such crops as alfalfa, potatoes, etc., while dairying and poultry will help materially.

Crops follow one another throughout the year, so that the farmer who will attend to his business can always have something on hand to sell.

Large returns are received from peaches, apricots, wine, raisins and table grapes, figs, small fruits of all kinds, sweet potatoes, and alfalfa, while oranges are yielding big returns along the foot-hills.

Land is still to be had at reasonable prices. Terms are liberal and easily met. The expenses for improvements are slight. In short, it's an opportunity.

Arkansas Valley

There are 500,000 acres of land under irrigation in the Arkansas Valley of Kansas and Colorado. The 3,000 miles of canals and laterals cost \$10,000,000.00. More sugar-beets are grown in this valley than in any other part of the United States. Six large beet-sugar factories are now in operation and more are building.

Beets grown in this section have a high percentage of sugar, and as the land produces in unusual abundance, the crop is a very profitable one.

Another staple is alfalfa, which has reached a wonderful development yielding a heavy tonnage and allowing two or three cuttings a year. There is a strong demand for every ton grown and prices are good.

The famous Rocky Ford cantaloupe is grown in this valley and is a big money maker. Fruits of all kinds do well and are certain income getters.

The climate is all but ideal; the altitude about 3,600 feet; the air invigorating; and the sun shining almost every day makes the valley a delightful place to live in.

Lands are still to be had at very reasonable prices. This is another section that should be investigated.

Rio Grande Valley

In the Rio Grande Valley of New Mexico, the Reclamation Service has projected a system of irrigation that will cost \$7,200,000 and will reclaim 200,000 acres of land. It is proposed to dam the river near Engle, New Mexico, one hundred and twenty miles above El Paso.

It will be three years or more before the Engle Dam is completed, but in the meantime a diversion dam has been put in to irrigate about 85,000 acres in the Mesilla Valley.

This valley is as rich as the Nile, and with the completion of the Engle project every acre of available land will be in cultivation. Now, however is a good time to get in "on the ground floor," as the irrigated land in this fertile valley, with an assured water supply, will command big prices.

With a beautiful climate and rich soil, a great variety of crops are grown.

The population in this valley is made up of a good class of eastern people, the towns are progressive and up-to-date.

The Salt River Valley

The Roosevelt Dam, soon to be completed, will irrigate, to start with, about two hundred thousand acres of very fertile land in the Salt River Valley of Arizona. This acreage will be increased within a few years to three hundred thousand acres. As soon as the water for irrigation is turned into the Valley, it will become one of the most desirable places of residence in the west. The settler who gets in early can get his land at reasonable cost. The increase in land values alone will double his money. If he has cultivated the land intelligently, it will sell within five years for three or four times the present price. The climate is so favorable that one crop immediately succeeds another. Alfalfa yields wonderfully and sells readily at from ten to twelve dollars a ton. As a fruit and vegetable country this valley is destined to rival California. The immense mineral development in Arizona insures a good market for all farm products for a long time to come. Sheep and wool are among Arizona's principal staples; great numbers of sheep are pastured on the ranges, being driven into more protected valleys at shearing time.

Pecos Valley

In the Pecos Valley of New Mexico irrigation is working wonders. The Government irrigation projects at Roswell and Carlsbad, now completed, together with more than 400 artesian wells, every one of which will irrigate 160 acres of land, will insure the development of upwards of 100,000 acres of the richest land in the world.

Water being assured, crop yields are very large, and the climatic conditions are all that could be desired. Apples and pears grow to perfection, the fruit being of unusual size, without blemish of any kind, and of a distinct flavor.

Ten acres in apples insures a good income, while twenty acres means a bank account.

Alfalfa will yield six tons to the acre and finds a ready market at \$10 a ton. By feeding hogs, the value of this crop is easily raised 50 per cent.

Indian corn, milo maize, kaffir corn, millet, wheat, barley, oats, and rye are produced abundantly, and pay splendidly for the labor put on them.

The country is supplied with the best of schools, churches, and in the principal towns, with public library, water works, electric lights, etc.

You can buy a farm cheap and on very attractive terms, but the chances now offering will not last long.

We have published booklets descriptive of each of the Valleys mentioned above. Which interests you most? Let me know and I will send you literature and tell you how to go with the least possible expense. We have a man in this office who is hired to answer questions and tell the truth. Use him.

J. M. CONNELL, General Passenger Agent,
The Atchison, Topeka & Santa Fe Ry., TOPEKA, KANSAS.

UNGLE'S HOGGETTE

The Great Preventive and Cure for HOG CHOLERA.

Indorsed by more breeders. Has saved more hogs than any remedy on the market.

Ungle's Dip \$1 per gallon in 5 or 10 gallon cans.

Ungle's Flake for lice on hogs 4½¢ per pound by the barrel.

COUNTY SEAT HERD DUROCS.

Clay Center, Neb., Sept. 1, 1906.

Ungle's Hoggette has saved me more hogs and made me more money than any remedy I ever used. Have used it for 5 years.—Geo. Briggs & Son, Props.

Address, **UNGLE'S HOGGETTE CO.,**
Box 749. Lincoln, Nebraska.

Write for printed matter.

ACCEPT NO SUBSTITUTE. **Hygeno** DIP AND DISINFECTANT.

USED FREELY insures healthy live stock, by keeping them free from ticks, lice, scabs and the hundred and one other troubles that knock the profits into nothing. There is only one way to keep your sheep and other live stock always healthy and that is by the free use of a good Dip. **Hygeno** is a non-poisonous, non-corrosive germicide and positive insecticide. **Hygeno** is guaranteed to suit you and costs you so little to use freely, that you can't afford to be without it.

If your dealer doesn't keep **Hygeno** send us his name and we will send you a Sample sufficient to show you what it will do, with a copy of Health Book, Free.

ACCEPT NO SUBSTITUTE.

THE HYGENO DISINFECTANT CO. 824 EUCLID AVENUE, CLEVELAND, O.



preservatives on other parts. It is also especially adapted to the treatment of mine props, small dimension timbers, cross-ties, piling, and shingles, and timbers in small sizes of loblolly pine, black and tupelo gum, western yellow pine, and lodgepole pine, and similar kinds of wood. Fairly good results have been obtained in the treatment of arborvitae, chestnut, and red oak, but the experiments thus far do not warrant the application of the method to the treatment of piling and ties made of these woods.

The open-tank treatment is being rapidly developed, and while it ordinarily does not secure so deep a penetration of the chemicals as the retorts it is sufficiently thorough to protect timber for practical purposes in many situations, and it is probable that future experiments will further extend its application.

Circular 101, just issued by the Forest Service, United States Department of Agriculture, describes and illustrates the open-tank equipment. It can be had upon application to the Forester, United States Department of Agriculture.

It has been figured that every increase of one cent a pound in meat makes an increase of \$168,000,000 in the yearly meat bill of this country.

Home Departments

CONDUCTED BY RUTH COWGILL.

CHRISTMAS MORNING.

Long ere the dawn of rising day,
A curtained sky without a ray,
The farmer's house was warm and bright
With genial fires and lamps a-light.
Awhile a-linger, loth to go
From the big kitchen hearthstone's glow,
We larger boys and father bold
Strode forth, well muffled from the cold.
Our lanterns twinkling, barnyard borne,
Where, stored sweet hay and yellow corn,
The drowsy beasts, all snugly housed,
To generous bounty were aroused.
Then came the welcome bell tap's call,
To a hot breakfast bidding all.
Within the lantern's close-trimmed lights
Were gently dancing, airy sprites—
Snow-falling snow-flakes, straggling swarm
Of all the long night's marching storm.
Was ever yet a happier band
At Christmas feast in all our land,
Than ours, with blessing from above,
In light of lamp and light of love,
Assembled at the breakfast board
That morn in memory fondly adored?
The mother, proud, serene, and sweet,
Her rosy maidens, comely, neat,
Her boys so brave in loving eyes,
The quiet father, kind and wise,
The blessing asked, the gifts displayed,
The smoking breakfast was arrayed,
Plenty and good for appetite;
Mixed mirth and food; hot biscuits light.
With golden butter, maple drips;
Fried sausage balls, and laughing lips;
And baked potatoes, seasoned nice
With pepper, salt, and jesting spice;
And coffee hot, with cream, and fun,
Thus was our Christmas joy begun.

—J. M. Cochran.

The Other Wise Man.

The story of the Christ child that has been told over and over for centuries never grows old but always has a charm about it that holds people of all races and ages. A little child, poor, obscure, born in a stable—but no sooner was it born than the tidings were heralded abroad reaching from the humble shepherds to the rich and lordly king, from the wise men of the East to the ignorant common Arab of the plains. To each one the tidings had a different meaning, yet none knew, nor could dream, nor imagine the full purport of the message. Neither is it comprehended fully yet after centuries have passed and prophecies been fulfilled and the spirit has testified through humanity. Still the true meaning of Christ's coming is not understood and accepted by all people. When the angels rejoiced in songs of praise saying "Peace on earth, good will to men" they saw not only the babe in the manger but their vision reached to Calvary, which was the culmination of a life of service for man; and by this life and through this life comes to all who will accept sweet peace, good will, but with these must also come sacrifice and service from man to man.

In "The Story of the Other Wise Man" Henry Van Dyke beautifully and vividly illustrates this thought. To tell the story briefly: There was the fourth wise man of the East who set out to find the Christ child. Through this study of the sky and search of the Oriental tablets of the Chaldeans and the prophecies it was made plain to them that the star would appear on a certain night. Arteban, the fourth wise man, who lived in another part of the country from the others, agreed to meet the others at a certain place ten days after the appearance of the star, when they four would go at once across the desert with gifts for the young King. The star appeared; he sold his possessions and bought three precious gems, a sapphire, a ruby, and a pearl, to carry to the new-born King. He could get no one to go with him, so alone on his faithful steed he went to join his friends. Over desolate passes and hills, through gorges and raging rivers he came to within a short distance from the meeting place, when lying by the roadside he saw a Hebrew exile, apparently in a dying condition, but he clutched his garment and Arteban was constrained to minister to him until he was better, then leaving with him all his food and drink, he started again on his journey. He reached the appointed place and with sinking heart

found that his friends had gone. In despair he returned to Babylon and sold his sapphire in order to buy camels and food for the journey.

The perilous and lonely journey was at last over and he reached Bethlehem three days after the other wise men had come and laid their gifts at the feet of Jesus. He learned of Joseph's flight into Egypt and while searching for his friends he came to the house of a woman with a little child and while there the soldiers came, in their slaughter of the children. Arteban placed himself in the door and taking out the ruby, calmly showed it to the captain and said it was for the prudent captain who would leave him in peace, and the soldiers passed on. In anguish of heart he bemoaned his unworthiness for using for man what was meant for God. But he went forth again with the blessing of the grateful mother sounding in his ears.

Years passed by and Arteban continued his search in high places and in low. He took counsel with a Hebrew rabbi who said to him "Those who seek Him will do well to look among the poor and lowly, the sorrowful, and the oppressed." Then he betook his steps to the countries where famine had come, to the plague-stricken cities. He visited the afflicted and oppressed in prisons and in the slave markets. He fed the hungry, clothed the naked, and healed the sick; and "his years went by more swiftly than the weaver's shuttle that flashes back and forth through the loom while the web grows and the invisible pattern is completed."

A second time Arteban visited Jerusalem, renewing his search through its streets. It was at the time of the Passover. The city was in confusion and in a tumult and he inquired the cause of it all. He was told that there was going to be an execution of two famous robbers and one Jesus, who had done many wonderful things but that they were going to crucify Him because He had said that He was the son of God. Arteban wondered if this might not be the one for whom he sought and a hope sprang up in his heart that perhaps he had come in time to rescue Him from His enemies with the pearl as a ransom for His life. But while his mind was busy with these thoughts, some soldiers came along dragging a young girl who broke forth from them and threw herself at his feet and clung to him begging him to protect her; that she had been seized for her father's debts and was to be sold for a slave. Again the conflict was to be fought out—the last consecrated gift—should he rescue this helpless girl, buy her freedom? It would be a true deed of love and is not love the light of the soul? He took the pearl and laid it in the hand of the slave.

An earthquake shook the earth and a tile fell, striking Arteban on the temple, and as he lay his head upon the young girl's shoulder he died hearing the words, "Verily I say unto thee, inasmuch as thou hast done it unto one of the least of these my brethren, thou hast done it unto me."

Christmas Recollections.

The scene described below is one from the article "When We Were Boys," by M. B. Stewart in The Circle for December. It is one familiar to many who has passed the meridian of life:

Then you went to sleep at last, to dream. First, Santy got the bobs stuck in the chimney and your father had to go up on the roof and poke them down with a clothes-pole. When you finally pulled them out and wiped the soot off, they turned into a woolly ewe, which began to eat the tidy on your mother's rocking-chair, and then—it was sort of gray and spooky when you woke up, and mighty cold. It was

a minute or so before you realized that it was Christmas at last.

"Ma," you called, "Is it time to get up yet?" and your mother just mumbled something that didn't sound like anything at all. You waited pretty nearly an hour, it seemed, and then you simply couldn't wait any longer. "Is it time yet?"

Finally your mother gave up. "All right, I s'pose you'll die if I don't let you get up right away. Bring your clothes in here and I'll button you up."

Clothes! Was there ever such another nuisance? Your arms and legs simply wouldn't go into the right holes in spite of all you did. You would have given anything if you had only been a wild Indian and could just wrap a blanket around you and skim down and see—

"Oh, ma!" you ran back to the stairs to scream; "he did. He brought 'em!"

"Well, wasn't that nice in him," she said. "Now don't go and break them the first thing." As if you could.

After a while your father came downstairs, rubbing his eyes and yawning, and when he saw the bobs, he had to grin. "By jingo!" he said, "but they're dandies. S'pose they would hold me?"

"O' course they would," you contended. "Look a' those runners. That's pure steel. Say, I don't want any breakfast—"

What's the use of going on any farther? You know all about it as well as I do—of course you do. And yet you want me to believe that Christmas hasn't changed. Say, you're trying to josh me, you are. I know how I used to feel, I guess, and I don't feel that way any more, so it must have changed.

The Christmas Mother Kiss.

In the peasant districts of Germany, and, in fact, eastward through the great Balkan ranges into many provinces of Russia, there is a pretty Christmas morning ceremonial connected with the mother of each home.

The people who follow this custom live in districts where scores of customs, dating in origin far back of the birth of Christ, still prevail. Christmas in their mind is not so intimately associated with the birth of Christ as that it marks the turning of the sun back to spring and summer warmth.

The Christmas celebrations, as related by Taylor, begin on December 21, the time of the longest night and shortest day of the year. They continue down to New Year's. Christmas morning is really the morning of December 22, when the day begins to lengthen and the night to shorten.

All the family are up by four o'clock that morning, when the "dead before the dawn" prevails. The ground is covered with snow. The air is keen and filled with frost crystals. The breakfast table is spread, and it groans with everything good the village and the farm can provide. Extra candles, for which many a penny has been saved, are placed in every room.

The mother comes in to the table. She stands at her chair. Upon her head is some pretty, hand-worked ornament. A spotlessly white handkerchief is crossed, at her throat. The father comes into the room, and, advancing to her, kisses her, not on the lips, but on the forehead just above and between the two eyes.

The eldest child follows the father and kisses her as he did. Then come the other children, down to the youngest, perhaps a guest or two and the servants. All gently kiss her. This is the Christmas mother kiss, and bread is not broken on that day in any family until it is given.

Now, the origin of this custom has a direct connection with the rejoicing over the first sign of spring. In the peasant lore three things are necessary to make a home happy: the sun's warmth to provide food, the mother's hand to guide the home life, the father's arm to protect from foes.

Home and Christmas are indissolubly connected, hence the mother kiss comes with the advent of Christmas. The recognition of the father is later—at harvest time, when the year's

The Knock-out Blow.

The blow which knocked out Corbett was a revelation to the prize fighters. From the earliest days of the ring the knock-out blow was aimed for the jaw, the temple or the jugular vein. Stomach punches were thrown in to worry and weary the fighter, but if a scientific man had told one of the old fighters that the most vulnerable spot was the region of the stomach, he'd have laughed at him for an ignoramus. Dr. Pierce is bringing home to the public a parallel fact; that the stomach is the most vulnerable organ out of the prize ring as well as in it. We protect our heads, throats, feet and lungs, but the stomach we are utterly indifferent to, until disease finds the solar plexus and knocks us out. Make your stomach sound and strong by the use of Dr. Pierce's Golden Medical Discovery, and you protect yourself in your most vulnerable spot. "Golden Medical Discovery" cures "weak stomach," indigestion, or dyspepsia, torpid liver, bad, thin and impure blood and other diseases of the organs of digestion and nutrition.

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hardest work is ended and the fruit of his labors are in the granary. His kiss of respect comes at that time, but the mother's is given on the greatest holy day of the year.—Exchange.

The Young Folks

CHRISTMAS.

The earth has grown old with its burden of care,
But at Christmas it always is young;
The heart of the jewel burns lustrous and fair,
And its soul full of music breaks forth on the air
When the song of the angels is sung.
It is coming, old Earth, it is coming tonight;
On the snowflakes which cover the soil
The feet of the Christ-Child fall gentle and white;
And the voice of the Christ-Child tells out with delight
That mankind are the children of God.
On the sad and the lonely, the wretched and poor,
That voice of the Christ-Child shall fall,
And to every blind wanderer opens the door
Of a hope that he dared not to dream of before.
With a sunshine of welcome for all.
The feet of the humblest may walk in the field
Where the feet of the holiest have trod;
This, this is the marvel to mortals revealed.
When the silvery trumpets of Christmas have pealed—
That mankind are the children of God.
—Phillips Brooks.

Christmas in Other Lands.

Christmas is a time of great rejoicing wherever it is observed. In Scandinavia it is also a day when every one seeks to put away ill feeling and practise a feeling of kind charity to all. Old feuds are forgotten for the time being at least. In the home on Yule night the shoes are all placed in a row to show that they will live peaceably during the coming year. It is a time of telling Christmas stories and legends and a season of merry skating and sledding parties, a time of gaiety and fun. In many villages lights are left to burn in the windows all night to show Kristine the way with his gifts. A cake of meal is set out in the snow as a Christmas offering.

In Sweden the young people hold a regular masked carnival, bedecking themselves with tinsel and grotesque attire and going from house to house to where refreshments are served. It is here that originated the pretty custom of putting a sheaf of wheat on a pole before each house for the birds.

In Germany the Christmas tree is lighted the night before Christmas eve and followed by a family dinner and great merry-making.

Russia begins the Christmas when the evening star rises on Christmas eve by serving a dinner. The meal is begun by serving the blessed wafer, giving a little to each one present, beginning with the head of the family first and no one dares to refuse to partake. The Christmas tree also is a part of the celebration where it can be afforded.

The Hollanders form a solemn procession at midnight on Christmas eve of devout men who carry an illuminated star symbolical of the star that guided the wise men to Bethlehem, and chant "Gloria in Excelsis." This is followed by a sumptuous dinner.

The Norwegians begin six weeks before Christmas by cleaning up. They clean house, and bake, and cook, and the last thing on Christmas eve each one takes a bath. They also put out a bunch of grain for the birds. The day is spent in feasting and merriment and families come together on that day of all others.

Eating is the principle feature of the Italian Christmas. On Christmas eve, the family, consisting of old and young, of three or four generations, meet together at a supper of nuts, eels, cakes, and fruit or vegetables, and is called "Magro" and is followed by a rich dinner the next day.

Cuban children and the children of Brazil know not the joys of Santa Claus and of giving and receiving presents, neither do they know the delight of the Christmas tree. They can not

have the fun of coasting and skating that the children of the North enjoy. Feasting at Christmas time seems to be common to all countries.

The Little Ones

SANTA CLAUS IN COMING!

Up among the chimneys high,
Hark the merry sound!
The reindeer's tramp, the ring of bells,
All the city round.
Santa Claus is coming with his pack of toys,
Santa Claus is coming to his girls and boys.
Santa Claus is coming; he'll be welcome here,
For he only comes to see us once a year!

Clad in fur from head to foot,
Warm and soft he goes,
With silver hair and dimpled chin,
Cheek that's like a rose.
Santa Claus is coming with his pack of toys,
Santa Claus is coming to his girls and boys.
Santa Claus is coming; he'll be welcome here,
For he only comes to see us once a year!

—Nora Archibald Smith, in Kindergarten Review.

I DO!—DON'T YOU?

"Summer," said the humming bee,
"Summer is the time for me!
Richest fields of luscious clover,
Honey-cups all brimming over,
Not a cloud the long day through!
I like summer best—don't you?"

Said the dainty primrose sweet:
"Summer is the time of heat.
In the spring when birds are calling
And the crystal rain is falling
All the world is cool and new!
I like springtime best—don't you?"

Said the apple: "Not at all,
There's no season like the fall!
Golden skies thro' soft mists glowing
Where the golden-rod is growing,
Reaping done and harvest through—
I like autumn best—don't you?"

Said the holly: "It is clear
Of all seasons of the year
Winter is the best and dearest,
Winds are stillest, skies are clearest—
Snowballs, sleigh rides, Christmas—
I like winter best—don't you?"
—Isabel Ecclestone Mackay, in December St. Nicholas.

CHRISTMAS BEARS—"COMING."

When Santa Claus on Christmas Eve
Comes speeding o'er the roofs,
You will not hear the snow crust break
Beneath his reindeer's hoofs.
Nor yet the ting-a-ling-a-ling
That into music swells,
When Donner shakes his silver reins,
Or Blitzen rings his bells.

But from the Land of Sugar Plums
In silence all the way,
St. Nick will guide across the snow
His treasure-laden sleigh,
And all along the frozen road
And down the icy street
Will come the soft and padded sound
Of clumsy little feet.

For though the saint is growing old
New fads delight his soul,
And he has left his antlered steeds
Behind him at the Pole,
Where o'er the fields of floating ice
The norther's trumpet blares,
And harnessed to his sleigh instead
A team of Teddy bears.

—Minna Irving.

A Christmas Journey.

It was the day before Christmas, clear and sparkling as a day in Colorado can be. All around the little town of Trinidad rose the majestic snow-covered mountains, with here and there a pine tree, which had shed its burden of snow, showing dark upon them. Up the steep side of the nearest mountain scrambled a little brother and sister. The boy was carrying a hatchet, and the faces of both the children shone with delight. They did not mind the frequent tumbles on the slippery hillside, for they were getting a surprise for their little sister.

Christmas would not be Christmas without a tree; back in the dear Eastern home they had left so recently they had always had one; and though papa and mama said that out in their new home Santa Claus would not bring one, still they would yet have it.

So they climbed higher and higher, talking of the Christmas spent "at home," that home now so many, many miles away; talking of the good time



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they would have this year in this strange country, where everything was hard and different; and discussing the merits of various little pinyon trees that grew along the path. At last they saw one that would just do; it was not too big, or too little. But it was too glorious a morning to cut it down and go straight home. Now that they were this far they would go to the top. So they buried the hatchet in the snow at the foot of the tree, put a big snowball on its branches to mark it, and climbed on.

Soon they were on the top. It was a perfectly flat rock with a few little bushes on it. They could walk over to the edge and look off of a precipice hundreds of feet high. The mountain was very steep there, and the path they had come up had to wind away around to the other side before it could scale those cliffs.

How still everything was; the children were awestruck, it was all so grand. On three sides rose high mountains, but on the fourth the white plains stretched away in the direction of home, with little black specks of cattle on them, and a rapid river tearing through its miniature gorge. At their feet lay the town.

Near the edge of the cliff was a tall brown monument. Simpson's Rest it was called, as indeed, was the mountain. Beneath this gravestone lay the body of Simpson, one of the first American settlers of Trinidad. Long ago, when it had been much wilder, he had hidden from the Indians in a tree which grew on that spot. He had asked to be buried there, on the spot where his life had been saved, and a very beautiful place to lie it was.

Slowly the children turned their backs on the view, and wound their way back to the Christmas tree, which they were greatly relieved to find still standing, for they had been so worried lest something should have happened to it. It is pretty hard work to cut down a tree, even if it is small, and it was two very triumphant children that came home about dinner time dragging the precious load behind them; and two very excited, happy little children that went to bed that night, for to-morrow would bring Christmas day, and with it the tree they had gotten all themselves, decked out, while they slept, by loving hands.
—M. C. H., in Scattered Seeds.

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Gift-Making and Gift-Giving.

MRS. S. L. WALKER, READ BEFORE THE OLIO CLUB OF COLUMBUS, KANS.

"The sweetest holiday of all the year
Dawns through the gloom of cold December time;
Listen! In joyous bell tones, soft and clear,
O'er hills of white float the glad Christmas chime."

"At Christmas, play, and make good cheer,
For Christmas comes but once a year."

If Christmas were not rooted deep in the needs of the human heart, it would have perished of misuse long ago. The most tender and beautiful of all the great festivals, commemorating the birth of a child and recalling a visit of angels, it has been too often made an occasion for meaningless extravagance or for the mere conventional remembrances of those who have rendered us a service or with whom we wish to stand well. Of late years, especially, the sentiment which the season evokes has been skillfully "worked" for business purposes, until it has seemed at times as if Christmas, like Easter, instead of having a deep and spiritual meaning, were merely a time of unusual shopping and special facilities for bargains. In some of our large cities, Christmas is too much like a great bazaar, where all sorts of trinkets, useless but expensive objects, and striking and unimportant souvenirs are offered for sale to a host of unintelligent buyers. The great Vanity Fair, of which Thackeray wrote with such searching satire, is crowded with purchasers at Christmas time, and the unwary, the thoughtless or the calculating are lured into all manner of extravagance. The vice of this kind of Christmas celebration is its unreality. Christmas giving is the purest expression of affection and generosity, or it is the meanest and shabbiest of shams. To give from a full heart is to follow an instinct as deep and wholesome as that which pushes every form of love into some kind of speech; to give because it is the fashion, because other people give, to give beyond one's means, to try to make the gift express by its cost the sum-total of the affection, instead of symbolizing it by its quality, its beauty, or its nice utility to the recipient, is to make a travesty of a holy day and a mere show of a season blessed by the most tender memories and the greatest hopes.

Every true gift bears a spiritual relation to the giver, and to the recipient. It expresses a genuine feeling; it is disinterested; it is untainted by the hope of a return in kind; it is in harmony with means, condition, and circumstances; it is chosen with intelligent regard for the tastes, needs, and surroundings of the receiver. It is vul-

gar to make gifts beyond one's means, and it is in bad taste to make presents which are out of harmony with the surroundings of the recipient. The violation of what may be called the ethics of giving is far too common and often creates the most embarrassing conditions. Costly buildings involving heavy expense for the maintenance are presented to colleges, for instance, by well-meaning benefactors who do not see that they sometimes hinder instead of help the institution they are eager to benefit. The young married people who are beginning in a very modest way in a suite of very small apartments, and receive from a well-intentioned relative the gift of a very highly decorated concert grand piano, represent a considerable class of people who are loved not wisely but too well by kindly, thoughtless donors. There should be proportion in all things, as the Greeks thought; and every gift should fit into the finishings or surroundings in which it is to find a place. The selection of gifts is, therefore, an act involving sound notions of life, good sense and regard for the taste of the recipient. To give a book is to enrich the receiver permanently; to put into his hands or possession something which leaves a residuum of pleasure long after the particular day on which it was received has been forgotten. Gifts that combine comfort and prettiness, especially comfort and usefulness, are the most satisfactory gifts for people of advanced age, and each one of us who has one or more dear old people to remember should tactfully try to bridge the chasm between youth and old age with gifts not so practical that they are homely or unattractive, nor so pretty and foolish, as to be a mockery to the recipient. While it is pleasant to have a full purse at Christmas, it is not necessary, for "The giver makes the gift more precious," and "A gift with a kind word is a double gift." A clever girl once gladdened a lonely bachelor on Christmas morning with a gift that lingered long in his memory. She bought a blue and white Japanese jar, with a closely fitting cover for fifty cents. A week before Christmas, she baked a dark fruit cake in an oblong tin, and when it was time to send it, she cut the whole loaf of cake into cubes about two inches square. She wrapped each in parchment paper and tied with a bright-colored ribbon and filled the jar with these spicy little packages, tied a daring bit of mistletoe to the cover, wrapped it in a white tissue paper with common wrapping paper over it, and sent the small brother to play Santa Claus. The man afterward married the girl, and confessed that the blue and white jar was responsible for it, so it now occupies a prominent place in their pretty home.

"Things for the house" are not the very wisest of Christmas gifts, unless husband and wife join forces, and give each other half of some desired article of furniture. A woman gave her husband a piano stool on Christmas, although he was not a musician, and she was deeply injured, the following Christmas, when he presented her with a fine pair of new trousers. Madam wept bitterly, but the lesson was well learned, and she found a beautiful pin at her place when she went in to dinner. "Rich gifts wax poor, when givers prove unkind."

A clever woman who lives in a large city, with very little money at her command, has placed a fifty-cent limit on her Christmas giving. In a way, she has Christmas always in her mind for she watches the sales even in June. Once a year at a certain store, there is a glove clearing of odd lots and broken sizes at fifty cents a pair. So the wise lady buys gloves, nothing startling, but the quiet shades of gray and tan for street wear, and the ever-useful white kids, which can be cleaned twenty times if need be. When the traveler's sample handkerchiefs are sold she buys the daintiest for twenty-five cents each. If soiled she washes and irons them with her own hands. Again madam dives into her slender purse, and buys a yard and a half of India linen, five yards of beading, three yards of

edging, and a bolt of blue baby ribbon. With little time and many exquisite stitches, she has a French seamless corset cover, beautiful with lace, beading, and ribbon, and the girl for whom it is intended will surely be delighted on Christmas morning.

In a certain house a college boy came home at holiday season to find every one wondering what to give grandma. Apparently, she had everything in the way of caps, slippers, shawls, handkerchiefs, etc. One said: "I thought I'd give her a book, but she has five Bibles and nine prayer books, so I don't know what to get." All of this time grandma sat nodding by the fire, deaf and isolated. "See here," said the college boy, "you people get your money together and give it to me, and I'll attend to grandma's Christmas. Every one was glad to be rid of the responsibility, and the young man went shopping. The family were asked to write their cards, but remained in ignorance of what they were giving until Christmas morning, when every one came down to breakfast. Grandma's plate was piled high with tissue paper parcels, tied with blue ribbon, rather clumsily but effectively. Trembling with excitement and surprise she opened her packages, and found a box of candy, such as would have pleased a girl, a silver-backed hand mirror, a bottle of fine perfume, a pretty pair of gray kid gloves with white stitching the back, a yard of real lace, a frivolous grey chiffon boa, and two of Sherlock Holmes' books. That night when the clock was striking twelve, the boy came home and saw a bright light in grandma's room. He tapped at the door, then went in softly. She sat in an easy chair, her feet on another, her gray hair loose over her shoulders. A bright pink spot burned in either cheek, the box of candy was opened on the table near, and she was reading "The Prisoner of Zenda." "Merry Christmas," said the boy, and grandma looked up in surprise. "Merry Christmas," she said, "I haven't felt so young in years."

A girl with a country home delighted some of her elderly relatives with delicacies from the farm. Grandma rejoiced over a can of pure maple syrup, "just like we used to make on the farm." A dear old couple who had spent their youth in the country, enjoyed together a dish of old-fashioned chopped sausage and a dozen big white parsnips. A convalescent friend was pleased with a dozen fresh eggs in a dainty basket.

An old couple who were, by reason of their infirmities, unable to go about very much in the winter season were delightfully surprised by a cooperative gift of books of all kinds. Their various relatives, knowing their love of reading, consulted with each other and by judicious buying were able to purchase a fine selection of books. The idea worked beautifully, and now in their cozy little home this fortunate couple have several standard sets and copies of the new books without any outlay from their own savings.

To those who have lost dear ones during the year the holiday season is a very lonely time, consequently the more diverting and engaging the gift to the family in such cases the better. A live pet is suggested as the best kind of a remembrance (if one is sure it would be welcome) as a pet of any kind is a foe to loneliness. Possibly a cute little dog sent in a basket with a new collar and a fancy blanket might help to brighten the days, and beguile his new owner into smiles. A sweet singing canary, a mockingbird, a bowl of gold fish, or a kitten might prove happy gifts.

The president of a large stock company was seen on the street the day after Christmas, his face radiant with smiles. "What did Santa Claus bring you?" asked a friend. "A barrel of apples, straight from the country," he replied, "and a lot of other things I've forgotten."

There is a duty laid in connection with Christmas, not only upon those to whom it stands as the commemoration of a great fact in the religious life

Your Tongue is Coated! Watch for Symptoms!

LOOK in your pocket-mirror!
Or inside the lid of your watch-case!
Fur coat on your tongue? Bad business.

What you been Eating?
What were you drinking?
What kind of Lazy Chair did you take exercise in?

Now don't think it doesn't matter!
Because, it's your Bowels that talk now, every time you open your Mouth.

That doesn't help your Popularity, nor your Earning capacity.

Besides, a person with bad Bowels is in a bad way.

Go and take a Ten Mile Walk, for Exercise!

Haven't time? Too Lazy?

Well, there is another Way.

Take Artificial Exercise for your Bowels. That's—CASCARETS.

They rouse the Bowel Muscles, just as a Cold Bath freshens Athletic Muscles.

Waken them up, Strengthen them so they Contract and Expand the Bowels and Intestines in a healthy, active manner.

That's how these muscles work the Food along, through your thirty feet of Intestines, to its Finish.

That's how they squeeze Gastric Juice into the food, to Digest it.

That's how they make the millions of little Suckers in the Intestines draw the Nutrition out of Food, and transform it into Blood, Brawn, Brain and Bone.

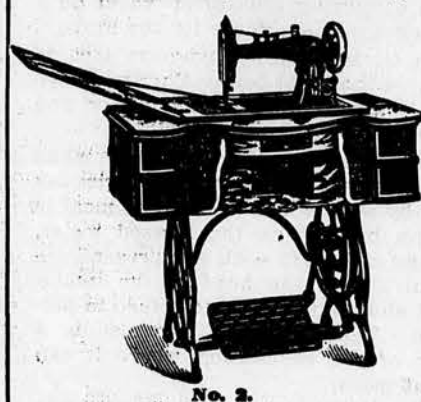
One tablet taken whenever you suspect you need it will insure you against 90 per cent of all other ills likely to attack you.

Cascarets don't purge, don't weaken, don't irritate, nor upset your stomach.

Ten Cents, at all Druggists. Be very careful to get the genuine, made only by the Sterling Remedy Company, and never sold in bulk. Every tablet stamped "CCC."

Kansas Farmer Sewing Machines

No Better Machines Made.
"The Machine of Merit."
A Ten Year Warranty.



No. 2.

Not so perfect as No. 1, but good enough. Automatic lifting mechanism, embossed drop-front, polished oak case, ball-bearing stand, improved high arm sewing head, solid steel foot attachment.

The steel foot attachments, furnished without extra charge and packed in a neat, velvet-lined box, are complete in every detail, and with them one can produce any and all kinds of fancy work. A full set consists of the following: ruffler, tucker, binder, braider, hemmer foot, feller, quilter, four hemmers of varying widths, cloth guide and screw, six bobbins, twelve needles, filled oil can, two screw drivers and well illustrated book of instructions.

Our Offer:—We deliver prepaid our No. 2 machine, and a year's subscription to the Kansas Farmer for only \$18.00, or we will deliver the machine free for a club of 35 names and \$35. The No. 1 machine with drop cabinet for \$21.00 or free with a club of 40 subscribers and \$40.

Address all orders to
The Kansas Farmer Co., Topeka, Kans.

THE ROYAL HOTEL, Lincoln, Neb.

Modern, fire proof, only American Plan Hotel in the city. Centrally located, 15th and O sts.

HENRY W. ROBY, M. D.
SURGEON.
720 Kansas Avenue,
Topeka, Kansas

of the world, but also upon all those who care for children and for the sanctity of home; let us make of Christmas a children's day—whether in memory of the little ones that we miss or those whom we can draw close to us; but a children's day with the personal touch of love coming straight from our own hearts and hands. What joy to the children on Christmas morning, to find the brilliantly lighted tree, loaded with toys, candies, and fruit. They will all agree that a most welcome visitor has been abroad.

"A merry Christmas to you all! The words are blithe and full of cheer, And, borne along from year to year, From year to year sounds ever dearer, When those long severed meet again Beneath the white and scarlet berry. One week in all the fifty-two Is little time to give to laughter; Come, choose a seasonable strain To fit the jolly days before us, And shout we all with might and main— 'A merry Christmas' is the chorus."

My Christmas message to every member of the club is:

"I wish you health, love and mirth As fits the holy Christmas birth!"

Program.

Responses.—My Favorite Text.

- I. The Bible.
- II. Women of the Bible.
- III. The Bible our guide.
- IV. The Shepherd's Psalm.

Some such a program as this at the beginning of a New Year is a good one to start out with. The Bible never was studied as much as at this time nor never more sought after, especially in foreign lands where they are just beginning to hear about it and its influence upon those who follow its teachings.

The women of the Bible are interesting and many things may be learned from their lives that will help intellectually and spiritually.

How to make the Bible the "lamp to our feet and a light to our pathway"—the practical guide in all our walks and ways may be discussed under this subject.

The Shepherd's Psalm may be repeated in unison.

Parliamentary Law.

Helen M. Winslow answers some questions which may solve some problems for newly formed clubs:

How is it at annual elections? Should the president be elected by a majority vote of the whole membership or a majority of those at the meeting? That depends on your constitution. The better way, since the whole membership is seldom at an annual meeting, is to have the constitution provide that officers are elected by "a majority of those present and voting."

Will you tell me the duties of the recording and corresponding secretaries, respectively? Which one writes the letters and sends out the notices? Which ranks first? According to parliamentary law, only two officers are absolutely necessary, president and secretary. One is to preside and one to keep records. I have even known small literary clubs to make one woman do both these things.

What is meant by revising the by-laws? Making them over. After a club has been in existence some years and has grown in membership, it is often found that the constitution which fitted the needs of the club at the beginning is entirely inadequate and must be changed. It then becomes necessary to revise it. A committee is appointed for this purpose and goes over the old constitution very carefully, preserving the best of the old and making such changes as seem to them necessary. This committee then brings the revised constitution to a regular meeting of the club, where it is presented and discussed, article by article. This is the time for everybody to speak who has any definite idea of what they want in the constitution. It takes time, a good deal of it sometimes, but it is better to have it all "thrashed out" before the new constitution is adopted.

Is it necessary to have a vote or motion to adjourn? It is the strictly correct way, although it is often the case that when everything else seems to be done, the president says, "If there is nothing more to come before the meeting, we will adjourn until the date for

next meeting." A better way for her is to say: "If there is no further business to come before the meeting, a motion to adjourn is in order." Whereupon some one moves to adjourn and the motion is put.

Which is the better way to appoint committees, from the floor or by the chair? If the committee is a very important one, it is better that they be nominated and voted for from the floor. But there are many committees which may be named by the chair at a great saving of time and tiresome detail.

FEDERAL RULE GOOD, M'CORMICK DECLARES.

Honest Corporations Need not Fear, Says Head of International Harvester.

Report that American Machines Are Sold Cheaper Abroad Than at Home, Denied.

"No honest corporation should fear Government regulation," said Cyrus H. McCormick, head of the International Harvester Company, who returned from a business trip to Europe to-day. Mr. McCormick declared that this form of control was the only one which would benefit both the large corporate interests and the public.

"Absolutely false," declared Mr. McCormick when referring to the statement often made that American harvesters are sold cheaper abroad than they are at home.

"I do not believe there need be any great alarm," he said, "over our Government's attitude toward large corporations. While temporary and individual cases of hardship may result, in the end the effect of careful, honest, wise, and prudent control of these large corporate interests by the federal authorities can not but be helpful."

"In the end the confidence in American securities abroad must be all the greater if the foreign investor is assured by the highest power of this land that we are doing our business on correct principles. No question ever was settled rightly by considering it from only one side. No corporation great or small, which is conducted honestly and which is willing to obey the law can complain of proper regulation and control."

"Corporation management will do well to realize this and to assist in bringing about a better and healthier state of affairs. Government regulation and control is the only one that will benefit both the public and the large corporations."

When asked as to the general trade conditions in Europe, Mr. McCormick said:

"From an agricultural implement standpoint the situation is satisfactory, although the harvests in Roumania, central and southern Russia, and parts of Hungary and Italy have been somewhat disappointing. Although American manufacturers of harvesting machines are making most gratifying progress in the world's markets, they are handicapped by the unfavorable tariff restrictions of many foreign nations. If fair reciprocal trade agreements could be negotiated between the United States and the leading countries it would give a tremendous impetus to the trade of American manufacturers."

"The statement is made frequently on the stump and elsewhere that our harvesting machines are sold more cheaply abroad than at home, but that is absolutely false."

Natural Deduction.

Farmer Goatee—How'd ye keep the boys out of your melons?

Farmer Fodderface.—Circulate a story about a ghost ha'ntin' my place.

Farmer G.—Where'd ye kit the idee?

Farmer F.—Wal, some of my melons was beln' spirited away.

If your territory is not already taken we can give you good cash wages to act as special representative of THE KANSAS FARMER. If you can not devote your whole time we will pay cash for part of your time and pay well. Drop us a card and we will explain.

Open Publicity

Insures a fair, square and honest deal. It characterises the policy of Dr. Pierce as relates to the composition of his time-proven and most popular medicines. Their ingredients are on each bottle-wrapper, attested under oath and printed in plain English. Dr. Pierce's Favorite Prescription is the only medicine designed for the cure of woman's peculiar ailments and sold by druggists, the makers of which publish on each bottle-wrapper what the medicine contains.

Dr. Pierce's Favorite Prescription contains no alcohol, and no narcotics or other harmful or habit-forming drugs, as will be seen from its published ingredients. It contains only such native, medicinal roots as are most highly recommended by leading medical writers and practitioners of all the several schools of practice, for the cure of woman's delicate and peculiar ailments. It is safe for women to take in any condition of the system, as it assists Nature in restoring the healthful action of all the organs distinctly feminine.

Nature's own cure. In fact, "Favorite Prescription" is Nature's own cure for the many derangements and weaknesses peculiar to women. It is advised for no other diseases.

If you are a weak, tired, nervous, over-worked, broken-down, pain-racked woman, either young, old or middle-aged, suffering from frequent headaches, backaches, dizziness or fainting spells, gnawing or distressed feeling in stomach, perhaps see imaginary specks, or dark spots floating before the eyes, have dragging-down or heavy feeling in lower abdomen, or pelvic region, with, perhaps, pelvic catarrh, or other symptoms of functional or organic affections of the distinctly feminine organs, then you will make no mistake if you resort to the use of Dr. Pierce's Favorite Prescription. The most advanced medical science knows no better agents for the cure of all such diseases than are happily and harmoniously combined in this widely-famed "Prescription" of Dr. Pierce.

You can't afford to accept any secret nostrum of unknown composition and of questionable merit as a substitute for this professionally endorsed and time-tested remedy of KNOWN COMPOSITION, simply that some unprincipled dealer may make a little larger profit. Don't expect it to perform miracles but give it a fair, persevering trial and it is not likely to disappoint you. It won't "dissolve tumors"—no medicine will. It will cure a larger percentage of all curable ailments which especially afflict womankind than any other medicine sold by druggists for that purpose.

As to Dr. Pierce's Golden Medical Discovery it has a very large range of application, yet it is by no means recommended as a "Cure-All." It possesses marvelous alternative, or blood cleansing, properties and is at the same time a most invigorating tonic, or strength giver. It exerts a specific, cleansing, soothing and healing effect upon all the lining mucous membranes of the system; hence, its great curative value in all catarrhal affections, no matter where located.

In Chronic Nasal Catarrh, it is well to cleanse the passages two or three times a day with Dr. Sage's Catarrh Remedy fluid, while persisting in the use of the "Golden Medical Discovery"

for its blood cleansing and specific curative effects upon the diseased mucous membranes. It will cure a very large per cent. of all cases, even after they have reached the ulcerative, or chronic stage, and no matter of how many years' standing they may be. It is equally efficacious in affections of the mucous lining of the larynx, bronchia and respiratory organs in general, thus curing bronchitis, laryngitis and other affections giving rise to obstinate, hang-on-coughs. It is not so good in acute coughs following sudden colds, as in the lingering, chronic coughs. Nor must the "Golden Medical Discovery" be expected to work miracles. It will not cure consumption in its advanced stages—no medicine will do that, but for all obstinate hang-on-coughs due to laryngeal or bronchial irritation and kindred affections, of the throat which, if neglected or badly treated, are likely to lead up to consumption, the "Discovery" can be relied upon to produce the best curative results.

The "Golden Medical Discovery" is, from its tonic and specific curative control over mucous surfaces, especially efficacious in curing indigestion, dyspepsia, weak stomach and "Liver Complaint," or biliousness. Even ulceration of the stomach and bowels has in thousands of cases been cured by it; also obstinate chronic diarrhea.

In addition to all the foregoing, not the least valuable of the marvelously efficacious properties possessed by the "Discovery" is the unequalled regulating and strengthening effect exerted by it over the heart's action. It has made some wonderful cures of very pronounced valvular and other affections of that organ.

The reason why "Golden Medical Discovery" cures so wide a range of diseases is made plain in a booklet sent free on request mailed to Dr. R. V. Pierce, Buffalo, N. Y. If interested, send for it.

The powerful alternative or blood purifying properties possessed by the "Discovery" will naturally suggest its use for the cure of blotches, pimples, eruptions; as eczema, salt-rheum, and other skin affections in all of which it has made remarkable cures; also in scrofulous sores and old, open ulcers, or eating sores. To heal the latter, use Dr. Pierce's All-Healing Salve as a local application, while taking the "Golden Medical Discovery" to correct the blood and cleanse the system. A box will be mailed to any address on receipt of fifty-four cents in stamps. If your druggist don't have it in stock, address Dr. Pierce, as above.

Dr. Pierce's Pleasant Pellets are the original Little Liver Pills, first put up by old Dr. Pierce over 40 years ago. Much imitated, but never equaled. Easy to take as candy.

No. 750
Price \$8.50



EGG MAKING MACHINERY

Here is the machine that increases egg production at the season when eggs bring the highest price. By its use Corn, Dry Bones, Oyster and other Shells, etc., can be turned into the finest kind of egg-making material.

ENTERPRISE

BONE, SHELL AND CORN MILL

an every-day necessity to the most profitable keeping of poultry. A strong and practical mill. Weight 60 lbs. Capacity 1 1/2 bushels of corn per hour. Sold by Hardware and General Stores, etc. Write for the "Enterprising Housekeeper," a book of 200 choice recipes and kitchen helps. Sent free.

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Geo. S. Murray, Formerly Professor Commerce, Kansas State Normal School, Emporia, Kansas

Dairy Interests

Treatment of a Cow Before Calving. BY PROF. OSCAR ERF.

With most cows the highest yield of milk and butter-fat for the year must be obtained by having them go dry from six to eight weeks before calving. It is frequently the case with high-producing cows that if milking is continued to the time of calving the milk of the last six or eight weeks often times assumes a bad flavor and odor. It becomes harder to churn, owing to the small fat globules and the viscosity of the milk, and will injure the butter made from any milk with which it is mixed. It is profitable to dry up the cow on this account as well as for the effect of the rest. Rest does not seem so essential for cows giving milk low in butter-fat and it is impossible to dry many heavy-yielders of thin milk without injury to the udder. In such cases the only reasonable plan is continuous milking, but if too much difficulty is not experienced in drying up this class of cows it should be done, as better results will be secured.

To dry up a cow, reduce the feed gradually, especially by taking away the grain, and when the milk yield drops, milk first once a day, then once in two days and in one or two weeks the average cow will be dry and her udder in good condition. If a cow continues to give milk under this treatment or if the udder is hard and feverish the work of drying up must stop and the ration be changed to a light milk ration with loosening feeds and the cow milked regularly. Force drying up under these conditions injures the cow. If by oversight the drying up process has been neglected until within three or four weeks of calving time do not attempt it as there is risk of injury to the health of the cow and her udder.

After the cow becomes dry she should be put on pasture during the pasture season, where there is plenty of good water and shade and where she can be comfortable, and not annoyed by other cattle. If the cow is on dry feed she must be in fair condition but not fat and should have bulk feeds; both succulent and grain; feeds are exceedingly desirable, either ensilage or roots. A good grain mixture for cows is two-thirds bran and one-third linseed-meal. This grain mixture is also good for the first two or three weeks after calving. Alfalfa is an excellent roughage and should be fed in abundance. It is necessary to

The best winter investment
any dairy farmer ever made
is a

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Its use means profit and
satisfaction combined.

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keep the digestive organs in good condition; especially the bowels should be kept loose. Corn should not be fed in such great quantities until two or three weeks after calving, when the ration should become more carbonaceous. It is extremely important that a cow should be well-nourished and well-cared for previous to calving in order to make a good record for the year. If the udder swells to a great extent and becomes abnormally distended it is frequently a good policy to rub the udder with vasoline in order to make the skin more elastic and it will give the animal less pain. Rubbing is very essential and has a desirable effect upon the milk yield afterward.

The Small-Yield Cow.

Dairying in the United States is depressed by one element that must forever stand in the way to block the dairymen from success. That element is the small-yield cow, and the she steer that costs \$40 to \$50 a year keep and returns her owner \$25 to \$35 for milk. Many a milk producer, with a herd of thirty such cows, representing an investment of \$1,000 or \$1,200, is losing money regularly, and must lose as long as he insists on operating with such cows. He can invest his \$1,200 in, say, twelve cows that cost \$100 apiece, and these cows will give him more milk than thirty scrubs give him. He would save the feed of eighteen cows with all the labor and other costs of their keep, and he would be in the way to make money. There is in sight no change in farm and market conditions that promises ever to put a profit into dairying carried on with cows that average 1,000 to 1,500 quarts of milk per head per year, and producers may as well open their eyes to this truth. The proposition to make milk with such cows is an absurdity, because it is proved beyond all possibility of doubt that they put more money into their milk than they can hope ever to get out of it when it is sold in the market. The student of milk production is surprised every day to observe what a large number of herds he will find that average less than 1,800 quarts per head per year. The owners of these herds say that they "can not afford better cows." The truth is that they can not "afford" these cows. One correspondent says that last summer in a tour of over 300 so called "dairy farms" he found less than twenty herds whose average yield was large enough to bring the cost of production inside of the net returns of their milk sold at the average price of the year. The twenty who owned those herds were making money. The other 180 owners were losing money on their small-yield herds. The lesson is plain. The conclusion is inevitable.—New York Farmer.

Kansas Dairymen to Meet.

The Kansas State Dairy Association will hold its twenty-second annual meeting at the State Agricultural College at Manhattan, beginning on the afternoon of Tuesday, December 31, and continuing until the program is completed. This meeting will be one of a series which will form the State Farmers' Institute.

The program promises to be an excellent one as there will be the usual array of home talent, and such noted

speakers as Hon. Ed. H. Webster, chief of the Dairy Division of the United States Department of Agriculture; Commissioner R. M. Washburn, of Missouri; Commissioner J. C. Kendall, of Kansas; Prof. C. H. Eckles, of the Missouri University; Prof. A. L. Haecker, of the Nebraska Agricultural College; and W. W. Marple, of Chicago, have been invited to be present and give addresses.

A portion of the time will be devoted to an inspection of the dairy department of the Agricultural College, and the meeting will be preceded by the Kansas Butter-Makers' conference, which will be held on Monday afternoon and evening. President T. A. Borman will give the annual address, which is looked forward to with much interest because of the present condition of the dairy markets.—Jersey Bulletin.

The Poultry Yard

CONDUCTED BY THOMAS OWEN.

Poultry Notes.

When snow covers the ground, as it does now, a good, roomy house for the chickens seems more desirable than ever. To see fowls shivering in the snow is a very pitiable sight, and to expect them to lay under such conditions is out of the question. They should be provided with a large house, where they are not crowded and where they can eat their feed and exercise themselves in comfort. If too crowded they will not thrive well and will be apt to get overheated and then catch cold when let out into the cold air. But if you have a roomy house where they can scatch for their feed, they will be comfortable and keep on laying right along.

When weather conditions compel one to keep his chickens in the poultry house, that have heretofore had free range, one of the first things to see to is to be sure that they have plenty of grit, for without this essential aid to the digestion of their food, fowls will soon become sick and die. Grit is the chickens' teeth and they must have some form of it in order to grind their food, and when the ground is covered with snow it is impossible for them to get what they have been accustomed to in the form of grit, hence some provision must be made at once to supply them with an abundant quantity of sharp grit.

Another thing that chickens miss as soon as they are confined is green food. This should be supplied to them in the way of small potatoes, turnips, beets, or cabbage. If none of these are available, then scalded alfalfa leaves will take their place to a great extent. Fowls will also eat a great quantity of dry alfalfa leaves and it is very healthy for them. Some kind of animal food should be provided for fowls in confinement to take the place of bugs and insects to which they have been accustomed in the summer. There is nothing so good as cut green bone, fresh from the butcher's, but if that can not be obtained, then beef scraps or blood-meal will do as a substitute.

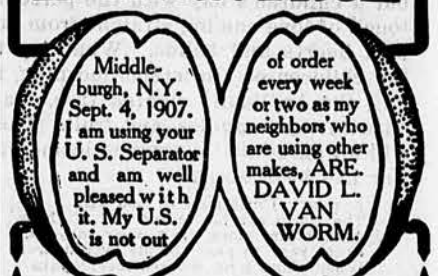
Hiawatha Poultry Show.

The first annual show of the Hiawatha Poultry and Pet Stock Association was held at Hiawatha, Kans., December 2 to 5, and was one of the largest local shows ever held in Kansas. Five hundred and fifteen birds were passed upon by Judge C. H. Rhodes. In the Partridge Wyandottes it took the top notches to win. In Pekin ducks if you did not have high-scoring birds it was useless. The exhibition was a success in every way and exhibitors of standard poultry missed a great opportunity when they did not attend this show.

Following is the list of awards. If not otherwise mentioned the postoffice address of the winners is Hiawatha, Kans.:

Barred Rocks.—1, 2, 3 pen, 2, 3 ck.,

The Whole Truth In A Nut Shell



It's "Reliable"

And RELIABILITY is "THE quality of qualities." A reputation for RELIABILITY is not won in a day, a month or a year. Consistent performance during the slow testing of time, alone is sufficient to prove that most satisfactory of qualities—RELIABILITY. Each year for past sixteen years, the

U.S. CREAM SEPARATOR

has been adding to its reputation for RELIABILITY which is UNEQUALLED today. Dairymen today choose the U. S. because they KNOW it can be depended upon to do the Best work ALL the time and the Longest time, too. Time has PROVED it.

Mr. Van Worm's few words sum up completely the many reasons why dairymen everywhere are fast exchanging their old style, unsatisfactory or "cheap" separators for the RELIABLE, clean skimming, up-to-date U. S. If you have one of "the other kind," WE'VE a proposition to make you. Just ask us about it, please.



The thirty illustrations in our new catalog enable you to easily SEE why the construction of the U. S. makes it the most RELIABLE and profitable. Won't you send today for free copy? Just ask for "No. 91."

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Eighteen Distributing Warehouses

Worms All Over the Ground.

Drexel, Mo., Route 2, Jan. 24, 1907.
F. J. TAYLOR CO.
Bag of Tonic received and I put it in box as directed. My hogs eat it fine and I think it has done them good from the worms I see scattered over the feed-lot. I believe it is all right, especially for hogs. Will let you hear from me when it is all gone. I remain yours for a fair trial.
W. G. BINKLEY.



Taylor's Stock Tonic does more than drive out the worms. It puts your hogs, cattle and horses in the pink of condition, makes them grow faster and stronger, prevents cholera, black-leg and all diseases arising from imperfect digestion. We want you to know all about our Stock Tonic so we will send you 50 lbs. on trial if you will send us this advertisement.

In 30 days you will send us \$2.00 for the tonic, or return the empty bag if it is not satisfactory, and there is no charge. We are sending out thousands of bags on this basis and practically every one is paid for. It shows the merit of the goods and the honesty of the farmers. Cut out this ad today and send it to us.

F. J. TAYLOR CO.,

361 Live Stock Exchange, Kansas City, Mo.

HIDES, FURS, JUNK

A. GOLDBERG, Iola, Kans.

References: Allen Co. State Bank, Iola State Bank. If you wish to sell large lots at home, write me and I will call. Write today for price lists and shipping tags.

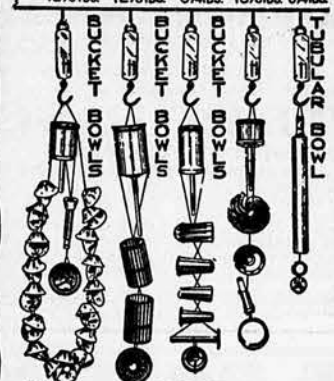
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A Safe, Painless, Permanent Cure GUARANTEED. 30 years' experience. No money accepted until patient is well. CONSULTATION and valuable BOOK FREE, by mail or at office. DR. C. M. COE, 915 Walnut St. Kansas City, Mo.

Saves Hours of Cleaning

Of course your wife would try to wash even the worst cream separator bowl properly twice every day. But why ask her to slave over a heavy, complicated "bucket bowl," like either

12½ lbs. 12½ lbs. 8½ lbs. 10½ lbs. 6½ lbs.



of the four on the left? Why not save her hours of cleaning every week by getting a Sharples Dairy Tubular Cream Separator with a simple, light, tubular bowl, easily cleaned in 3 minutes, like that on the right? It holds the world's record for clean skimming.

Sharples Tubular Cream Separators are different—very different—from all others. Every difference is to your advantage. Write for catalog M-18, and valuable free book "Business Dairying."

THE SHARPLES SEPARATOR CO.
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POLAND-CHINAS**Somerheim Farm and Holsteins**

For ready sale at a bargain, the herd boar, Capital Prince 45129, by Prince Darkness. Can use him no longer. Also several early spring boars that will make lusty herd-headers and a number of richly-bred gilts. James B. Zinn, Box 348, Topeka, Kans.

THE KANSAS HERD OF POLAND-CHINAS.
Has some fine spring males and gilts. Also a Missouri Keep On Boar for sale. F. P. Maguire, Hutchinson, Kans.

Maple Valley Herd Poland-Chinas

60 fine spring pigs sired by On The Line, Col. Mills by Chief Perfection 2d, Prince Darkness, Dispatcher, Grand Perfection, On Time, and other great sires. Write me for prices and breeding. C. P. BROWN, Whiting, Kans.

Young Boars For Sale

Chief Enterprise at head of herd.

Am offering 35 head of spring boars sired by Chief Enterprise. Heavy boned, growthy, thick fleshed, and in splendid condition. THIS STUFF WILL BE PRICED RIGHT. Write me for further information.

Isaac Tyson, Mound City, Mo.

BERKSHIRES**Berkshires**

Of both sexes for sale. Herd headed by Imported Baron Compton 89195.
W. J. GRIST, Osawie, Kans.

Ridgeview Berkshires

—FOR SALE—

One aged and one yearling boar and spring pigs of both sexes.

MANWARING BROS.,
Route 1, Lawrence, Kansas

Knollwood Berkshires

Headed by Pacific Duke 56691, dam Marjorie 37491 by Baron Duke 23d 50000 a son of Baron Lee 4th, the sire of Lord Premier and Duchess 120th 28876, grand dam of Premier Longfellow. Stock of all ages for sale. All stock guaranteed as represented.

E. W. MELVILLE, Eudora, Kans.

**BOX ELDER HERD
BERKSHIRES**

Special price on 150 to 200 pound boars for 15 days only. One-fifth off the regular price. These pigs are by Master's Longfellow 90354 and Legal 86271.

C. G. NASH, ESKRIDGE, KANS.

SUTTON FARM

Berkshires, Percherons, Aberdeen-Angus.

—300 spring pigs for sale.—

Chas. E. Sutton, Lawrence, Kans.

Guthrie Ranch Berkshires.

The Guthrie Ranch Berkshire herd, headed by Berryton Duke, assisted by his prize-winning son, Revelation, and his half-brother, Baron Duke. Size, bone and quality for the farmer; style and finish for the breeder. A few extra good boars and over one hundred fall pigs to choose from.

T. F. GUTHRIE, Strong City, Kansas.

Pawnee County Berkshires.

Stock from the best families known to the breed. Breeding second to no herd in America. Stock of all ages and both sexes. Pigs not akin.

T. J. CONGDON,
Pawnee City, Neb.

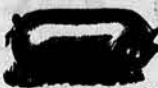
King's Berkshires

Have weight, quality and constitution developed by rustling for the best pork producing food on earth, alfalfa and blue-grass, supplemented with a light ration of grain and mill-feed. They are bred right and best of all are priced right. Write for anything in Berkshires to

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