

# KANSAS FARMER

Volume XLVI. Number 49

TOPEKA, KANSAS, DECEMBER 3, 1908

Established 1863. \$1 a Year



CLARION DE BOSART 258900, OWNED BY FRANK IAMS, ST. PAUL, NEB.

## Principal Contents of This Week's Paper

Alfalfa hay, shed for.....	1215	Lemon, some uses of the.....	1225
Alfalfa, Judge Humphrey's.....	1223	Life in darktown, sketches from.....	1225
Boys' corn contest, the Shawnee County.....	1214	Nature lover, California's great.....	1226
Boy started a chicken farm, how a.....	1231	Peace on the high seas, almost assures.....	1214
Broken threads (poem).....	1225	Pie melons.....	1224
Brushes, curious.....	1226	Rabbit trap, Wellhouse.....	1215
Club department.....	1217	Religious work in the Southwest.....	1216
Cottonseed-meal, feeding.....	1228	Roads and forestry, good.....	1215
Cows that pay for high-priced feed.....	1228	Selling the farm (poem).....	1224
Cow, the Ayrshire.....	1223	Shorthand department.....	1227
Disk drill has done for the farmer, what the.....	1223	Sick animal, proper method of examining a.....	1223
Erosion in hillside fields, to prevent.....	1221	Singin' 'long de road (poem).....	1225
Fat in milk.....	1228	Statesmen confer at Lawrence.....	1214
Field notes.....	1218	Tariff, revision of the.....	1215
Foot-and-mouth disease.....	1215	Tile draining.....	1215
Grain grading.....	1214	Trade, an increasing.....	1214
Hay in the stack, measuring.....	1214	Uneducated eating.....	1224
Hogs, selection of breeding.....	1217	Veterinarian, the.....	1232
Kansas horticulturists.....	1230	Windy day, on a.....	1225
Label, watch the.....	1214	Wind, the (poem).....	1225



## KANSAS FARMER.

Established in 1863.

Published every Thursday by  
THE KANSAS FARMER COMPANY  
(Incorporated, January, 1906).  
Topeka, Kansas

SUBSCRIPTION PRICE: \$1.00 A YEAR  
Two Years in advance.....\$1.50  
Three years in advance..... 2.00  
Five years in advance..... 3.00

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

## OFFICERS.

President.....E. B. COWGILL  
Vice-President and Business Manager.....I. D. GRAHAM  
Secretary.....S. H. PITCHER  
Treasurer.....JOHN R. MULVANE  
E. B. COWGILL.....Editor  
I. D. GRAHAM.....Live Stock Editor  
THOS. OWEN.....Poultry Editor  
RUTH COWGILL.....Home Departments Editor

## LIVE STOCK REPRESENTATIVES.

L. K. LEWIS.....Kansas and Oklahoma  
GEO. E. COLE.....Missouri and Iowa  
H. L. COWGILL.....Kansas and Nebraska

## SPECIAL AGENTS.

New York.

Chas. H. Hopkins.....150 Nassau Street  
Chicago.

Taylor & Billingslee.....615 First National Bank Bldg.

## ADVERTISING RATES.

Display advertising, 20 cents per line, agate (fourteen lines to the inch). Continuous orders, run of the paper, 16 cents per agate line.  
Special reading notices, 30 cents per line.  
Special rates for breeders of pure-bred stock.  
Special Want Column advertisements, six words per line, 10 cents per week. Cash with the order.  
Objectionable advertisements or orders from unreliable advertisers will not be accepted at any price.  
All new advertising orders intended for the current week should reach this office not later than Monday.

Change of copy for regular advertisement should reach this office not later than Saturday previous to publication.

Each advertiser will receive a copy of the paper free, during the publication of his advertisement.

Address all communications to  
THE KANSAS FARMER CO.,  
625 Jackson St., - Topeka, Kansas

## WATCH THE LABEL.

Reader, you are requested to notice the yellow name label pasted on the front page of your paper. By so doing you can tell to what date your subscription is paid. If the label reads "Jan. 09," it signifies that your subscription is paid to the first of next month. If it reads "Dec. 08," it means that the time for which you have paid expired at the beginning of this month and that you are cordially invited to renew.

We are making some special subscription bargains each week. It will be to your interest to watch them and renew promptly. When sending in your own subscription, why not ask your neighbor to send his in the same letter?

## MEASURING HAY IN THE STACK.

The legalized rule for measuring hay in the stack in Montana is stated by a correspondent of the Breeder's Gazette to be as follows:

"From the distance over top subtract the width and divide the remainder by 2; this gives solid height. Multiply the height by the width, and this product by the length of the stack; the result will be the cubic contents of the stack. Dividing this by 422 will give the number of tons, 422 being the number of cubic feet in a ton of hay after the stack has settled from 30' to 60 days."

## AN INCREASING TRADE.

Trade of the United States with its noncontiguous territories will approximate one hundred and seventy million dollars in the year which ends with this month. Ten years ago the trade with the same territories amounted to approximately sixty million dollars, the increase during the decade having thus been nearly 200 per cent. During the same period the trade with foreign countries has increased less than 60 per cent.

Of this trade about 60 per cent is imports and about 40 per cent exports. Thus as between continental United States and its noncontiguous territories the balance of trade is against the parent country.

## ALMOST ASSURES PEACE ON THE HIGH SEAS.

An agreement is reported between the United States and Japan which it is believed assures the peace of the Pacific Ocean, the countries adjacent thereto, and the islands therein. This

declares for the free and peaceful development of the commerce of the two countries in the Pacific, disclaims any aggressive design, and provides for defense of existing "status quo" in the Pacific, and defense of the principle of equal opportunity for commerce and industry in China; declares for the support "by all peaceable means within their disposal" the independence and integrity of China; and pledges the two governments, in case of the occurrence of any event threatening the status quo, as above described, or the principle of equal opportunity, as above designated, "to communicate with each other for the purpose of arriving at a mutual understanding with regard to the measures they may consider it useful to take."

This agreement is spoken of in some quarters as completing a great triple alliance, the parties to which are Great Britain, Japan, and the United States, in whose keeping the peace of the world will be pretty safe, so far, at least, as the sea is involved. Come to think of it, the united navies of these three powers would be a formidable proposition for any nation or possible combination to go against.

## STATESMEN CONFER AT LAWRENCE.

The newly elected Governor of Kansas, W. R. Stubbs, invited several prominent men to a conference at Lawrence last Saturday. The subjects of good roads, a public utilities commission, a single board for control of the State educational institutions, and some other matters of importance were considered.

## GOOD ROADS.

Mr. Stubbs suggested the creation of a road district wherever the people want to improve a road and then let them vote upon the proposition. If it carries then the district should stand a certain portion of the cost and the county at large the rest. He also suggested that a State engineer of good roads be appointed to supervise road work and that he be connected with the Agricultural College.

Congressman Madison told of the road work now being done through the sand hills of Southwestern Kansas under the direction of engineers from the Agricultural Department at Washington. He said they had solved the road problem by mixing clay and sand. Four different roads out there are now under construction. His idea was that the cost of roads should be borne by the county at large; that a county tax should be levied and spent for roads wherever the county road supervisors thought the need was the greatest. He also wanted to wipe out road overseers and require township trustees to look after the work.

Congressman Dan Anthony said he thought the Government would soon build a road from Fort Leavenworth to Fort Riley and he was in favor of the State devising some plan to improve its highways. He thought the Legislature could work out a satisfactory plan.

Attorney General Jackson combatted an idea advanced by some for a State tax for road purposes. He thought it would be unconstitutional. He was in favor of a road district plan something after the Stubbs' suggestions. He also suggested that the railroads would no doubt be willing to haul cheaply all material for road construction and also urged the employment of prison labor on the roads. He said the penitentiary and Hutchinson reformatory could supply a vast number of convicts for the work.

Senator Stannard thought the State ought to furnish rock crushers for the farmers as Illinois now does.

Clad Hamilton, of Topeka, was in favor of the New York idea of road building so far as it would apply to this State and said that if our present constitution forbade it that we should change the constitution. Good roads, he said, are a State-wide necessity and should be treated as such. While no final decision was reached as to the exact character of the proposed legislation the chances are that

Mr. Stubbs will recommend the road district plan with outside county aid.

## PUBLIC UTILITIES COMMISSION.

Mr. Stubbs said he was contemplating urging the Legislature to create a public utilities commission, patterned after the New York law, to look after all public service corporations in the State, including railroads, pipe lines, express companies, sleeping car companies, telephone companies, telegraph companies, electric light and water works and gas plants, street railways and interurban roads. His plan is to give the commission absolute control of stock issues of municipal public service corporations as well as all other public service concerns, and to regulate them generally.

His plan contemplates the creation of a board of five members, three of whom shall be the present railroad commissioners recently elected. After their terms are out, he wants all five members to be appointed by the Governor.

J. L. Bristow said the public utility question was the greatest issue in Kansas to-day, and if the Republicans didn't soon solve it, the people would vote them out of power and put some other party in which would do it. During his discussion of the subject he made the statement that some method should be devised to curb the power of the federal courts. He declared that the railroads control most of the federal judges of the country and that whenever a State, through its railroad board, attempted to reduce rates or enforce other orders objectionable to the roads that the roads would rush into federal courts and get injunctions and set aside the State law if not for all time, at least until the litigation was ended. He wanted it arranged so that the orders of a railroad commission should be effective until a final adjudication by the courts.

Congressman Madison said a bill to limit the power of federal courts in injunctions was now pending in Congress and would no doubt pass this winter.

Attorney General Jackson declared that the Kansas Railroad Commission is absolutely powerless to enforce an order which the railroads resist. He declared that there are fifty or sixty injunction suits now pending in the federal court to prevent the commission from putting in certain orders. The commission had done much good in getting the roads to make certain improvements, but that it had been unable to accomplish results on most of the big things it set out to do in the interest of the people. If Congress would change the injunction law so that the orders of a State commission should stand until upset by a final decision of the courts, it would have a tendency to discourage prolonged litigation.

## THE STATE EDUCATIONAL INSTITUTIONS.

Mr. Stubbs said:

"In my opinion there should be only one board of regents for all the State educational institutions, but it should be kept in mind that this suggestion is only tentative, as legal objections may arise.

"It is my opinion that a greater good can come to our educational institutions by having one head for all. The expense of having one board of regents would perhaps not be less than at present, as none of these boards receive any pay to speak of. One board could receive suggestions from the chancellor and presidents and better results would follow. Our educational institutions are all of one great system, anyhow, so I believe that they should be controlled by one common head."

## GRADING GRAIN.

The "why" and "how" of grading grain at the primary markets of the world are to be subjects which will be opened and made plain to grain growers by chief inspectors of Western grain exchanges, who are to have an important part in the National Corn Exposition at Omaha, Neb., on December 9 to 19, 1908, inclusive.

Early in the year when plans were being made for holding the big agri-

cultural show at Omaha, the grain dealers took an active interest and arrangements have been made for inspectors and secretaries of the exchanges to visit Omaha. The grower, the buyer at a country station, the terminal elevator operator, and the inspector whose certificate gives the grain "grade" and influences the price, will come together for a conference. Grain will be graded according to the methods recognized in the primary markets of the world, and the grower may learn why his grain does not "top the market" and "how." The inspector tells the buyer what the grain will bring in the markets at home or abroad.

Besides taking this important part in the exposition at Omaha, the grain inspectors will be judges and associate judges of exhibits in many of the classes and will add greatly to the amount of knowledge to be gained from visiting Omaha.

## THE SHAWNEE COUNTY BOYS' CORN CONTEST.

Last Saturday in Topeka's great auditorium the boys of Shawnee County exhibited their corn in a friendly contest for the prizes offered and for the honor of having tried worthily to improve in corn-growing. The contestants represented almost every part of the county. By localities the entries were as follows: Silver Lake, 24; Topeka, 22; North Topeka, 16; Auburn, 9; Valencia, 16; Dover, 3; Seabrook, 2; Wakarusa, 2; Elmont, 11; Station B, Topeka, 3; Tecumseh, 2; Rossville, 1; Station C, Topeka, 2; Berryton, 1. In all there were over 100 entries.

The corn was judged by Prof. C. S. Knight of the Agricultural College and seven assistants from his class in corn judging.

The entries were divided into three classes. Class "A" included the entries under the age of 14. Class "B" those over the age of 14, and class "C" the bushel contest. The corn was divided into two sets, the white and the yellow. Twenty large decorated tables situated in the main floor of the auditorium were covered with piles of white and yellow corn. The chandeliers and walls of the hall were covered with Kafir-corn, ear corn, and American flags, all forming a beautiful effect.

As a result of the contest the following received the prizes:

- CLASS "A."
1. Martin Engler, Topeka.....\$6
  2. Lloyd Kelsey, Topeka..... 4
  3. Kirk Butner, Valencia..... 3
  4. Dewel Wood, Silver Lake..... 3
  5. Fred Luthye, N. Topeka..... 2
  6. James Lindsey, Valencia..... 2
  7. Ralph Kimball, N. Topeka..... 2
  8. Chas. Wood, Silver Lake..... 2
  9. Martin Presgrove, Silver Lake..... 1
  10. Ray Beary, Tecumseh..... 1
  11. Edward Hays, Dover..... 1
  12. Chester Engler, Topeka..... 1
  13. Arthur Smith, Dover..... 1
  14. Roscoe Butner, Valencia..... 1

- CLASS "B."
1. Charles Farr, Rossville.....
  2. Lloyd Cochren, Topeka.....
  3. Myron Kelsey, Topeka.....
  4. Ira Wood, Silver Lake.....
  5. Lauren Kelsey, Topeka.....
  6. Harley Town, Valencia.....
  7. John Kiene, Valencia.....
  8. Lloyd Cochren, Silver Lake.....
  9. August Engler, Topeka.....
  10. Harry Bowman, North Topeka.....
  11. Selden Bowman, North Topeka.....
  12. Harvey Town, Valencia.....
  13. Harry Collins, Topeka.....
  14. Roy Kimball, North Topeka.....

- CLASS "C" (BUSHEL).
- White.
1. H. O. Cochren, N. Topeka.....\$5
  2. J. W. Cochren, Silver Lake..... 4
  3. Mr. Kimball, Route No. 4..... 3
  4. Earl Engler, Route No. 7..... 2
- Yellow.
1. Myron Kelsey, Route No. 6.....\$5
  2. Grant Kelsey, Route No. 6..... 4
  3. W. L. Dalton, Route No. 2..... 3
  4. Mrs. Theo. Saxon, Topeka..... 2

All of the boys in class "B" will get their expenses paid both ways to the State Farmers' Institute at Manhattan December 28. This convention lasts five days. The rest of the boys in the contest each got a pocket knife from the association.

At a business meeting of the officers it was decided to change the association somewhat and make it more inclusive and beneficial. Bradford Miller and F. A. Kiene, Jr., both of Topeka, hold the offices of president and secretary-treasurer respectively. It is planned to reorganize the association and call it the Shawnee County Boys' Corn Contest Association and



Farmers' Institute. In adding the institute to the association it is possible for the organization to become a county institute and receive the benefits of such organizations in obtaining pamphlets and instructions free of charge from the Kansas State Agricultural College farmers' institute department.

#### REVISION OF THE TARIFF.

If one may judge from the troubling of the political waters, there is to be an honest and energetic effort at tariff revision in the near future. The "stand pat" policy which has served long and efficiently to thwart the purposes of those progressives who think that the tariff should be adjusted in the interest of the entire people—this stand pat policy met many defeats at the last election as well as at the convention which declared the purpose of the party in power.

The Senate committee having in charge the guiding of the upper house on this issue was rudely startled while pursuing the time-honored program of inquiring of beneficiaries of high tariffs how much the duties in which they were interested should be raised, by the pronouncement of Andrew Carnegie in which the steel king asserted that steel ought to go on the free list.

But a yet ruder awakening has just occurred by the demand of Mr. Taft that the pledges of the platform on which he was elected shall be observed not only in the letter but in the spirit. Consternation in the camp of the standpatters follows the intimation that unless the new Congress,

comes such discussions. Send in your descriptions.

Several inquiries for the seed of *Catalpa speciosa* have been received. It will doubtless be profitable for those who have such seed to gather a goodly supply and advertise it in the Farmers' Exchange Columns of THE KANSAS FARMER.

#### WELLHOUSE RABBIT TRAP.

EDITOR KANSAS FARMER:—Some time last year I saw the Wellhouse method of poisoning rabbits in THE KANSAS FARMER. Would you please publish same again in your valuable paper?

A. B. RIDLON.

Willson County.

The Wellhouse method is not to poison but to trap the rabbits. THE KANSAS FARMER has frequently published descriptions of the Wellhouse trap. Following is the description as dictated by Judge Wellhouse several years ago:

#### MATERIALS USED IN MAKING THE WELLHOUSE RABBIT TRAP.

Four pieces 1 by 6 by 21 for sides, top, and bottom; one piece 1 by 6 by 8 for back; one piece  $\frac{7}{8}$  by  $\frac{7}{8}$  by  $3\frac{1}{2}$  for door stop;  $28\frac{1}{2}$  inches wire for door; 22 inches wire for trigger;  $4\frac{7}{8}$ -inch staples made of No. 15 wire; 480 feet or twelve pounds of No. 12 galvanized iron wire, and one pound of staples are required to make one hundred traps.

The Wellhouse trap is a box made of 6-inch fencing, old boards preferred. It is twenty-one inches long. The front end is closed only by a wire door which is hung from the top and

#### VIRGINIAN LIKES THE "OLD RELIABLE."

PETERSBURG, VA., October 19, 1908.

EDITOR KANSAS FARMER:—It was my pleasure to be a reader of THE KANSAS FARMER years ago in Kansas (my native State), and part of the time during my nine years' service in the Tuskegee Normal and Industrial Institute at Tuskegee, Ala., as instructor in agriculture. We also receive it weekly here.

I consider THE KANSAS FARMER one of the best agricultural papers published, and find it very helpful in both my teaching and practical work in agriculture, especially in this State where grass-growing and the raising of live stock are receiving so much attention.

Very respectfully,

GEO. W. OWENS,

Agriculturist Virginia Normal Industrial Institute.

which is to be convened in extra session immediately after the fourth of March—unless this new Congress manifests plainly that it will reform the tariff downward on nearly every item, the President will take a hand in the selection of the Speaker and the further organization of the House.

Such a course would out-Roosevelt Roosevelt, but there seems to be little doubt of the ability of the President to carry his point if he shall so elect.

The farmer's interest in this controversy, aside from that which he shares with consumers in general, lies in the direction of dual tariffs, the lower of which shall be accorded to countries which give favorable rates on our meats and other live-stock products.

#### SHED FOR ALFALFA HAY.—CATALPA SEED.

EDITOR KANSAS FARMER:—Kindly permit me to submit the following inquiries for reply by some of the many readers of your good paper. What is the most practical and economical plan for building an alfalfa hay shed or building, to be erected on alfalfa field, in which to store the hay instead of the usual open air stacking as generally practised? How many cubic feet per ton for loose or baled in estimating the capacity of such building? Is it practical to bale alfalfa direct from windrow? Where can I get the best information on the planting and culture of the catalpa tree, and where can I get the seed or plants of the *Catalpa speciosa*?

Dickinson County. JNO. DEWAR.

Now is the time for discussions of plans for hay sheds and other farm buildings. THE KANSAS FARMER wel-

comes inward. A cleat across the bottom prevents the door from opening outward. In setting the trap the door is fastened open by a wire which is attached loosely along the under side of the top board of the trap. This trigger-wire is bent downwards near the rear end of the trap and formed into a loop or a figure 8 so that as the rabbit crowds into the rear end of the box he is sure to push against this wire and thus move it backwards, releasing the door, which falls and make him a prisoner.

The cottontail is generally looking for some dark hole in which to hide as a protection from enemies and cold, and this trap easily suits his mind. The great advantage of the Wellhouse trap is that it catches the rabbit. About three of these traps are used to an acre. They are not baited in any way. They may be placed in rows with the open ends in one direction in one row and in the opposite direction in the next row, so that when the boy goes to get the rabbits he can see into one row while going one way and into the next row while returning.

For jack-rabbits, greyhounds and the gun are perhaps the best remedies.

#### FOOT-AND-MOUTH DISEASE IN NEW YORK AND PENNSYLVANIA.

The Secretary of Agriculture has quarantined the States of New York and Pennsylvania on account of an outbreak of foot-and-mouth disease. This is a contagious disease of cattle and other ruminants and swine.

Efforts are directed not only to confining the disease to localities where it now prevails, but to its complete eradication. This work is conducted

under the joint supervision and at the joint expense of the United States and the States in which it is found. All diseased animals are first appraised and then killed and their carcasses are burned. All buildings in which the diseased animals were quartered are burned. The animals and buildings destroyed are paid for, the United States bearing two-thirds and the States in which the animals are killed one-third of the burden.

#### TILE DRAINING.

EDITOR KANSAS FARMER:—Can we have some practical experience on tile draining gumbo land as there is plenty of it in Eastern Kansas that is pretty wet? Let's hear from some one, or all of you.

C. P. ELKINTON.

Franklin County.

There are plenty of published discussions of every phase of tile draining in books devoted to the subject. But the experience of farmers in Kansas is preferred by farmers in this State. THE KANSAS FARMER will

be pleased to hear from those of its readers who have had such experience.

#### Miscellany

##### Good Roads and Forestry.

In a signed paper, Prof. J. H. Miller, superintendent of farmers' institutes in Kansas, sets forth in forcible terms his views of the management of the two propositions of Good Roads and Forestry. Following are Professor Miller's observations:

"Several articles have been in the papers recently on these subjects and always with the thought of a lot of new officers and commissions. Why duplicate officers all the time? The matter of road improvement as well as the forestry problems are peculiarly industrial and agricultural and are being handled as much as possible with limited funds by the Agricultural College. Instead of creating new

# Jan. '09

If this date, "Jan. 09," is printed after your name on the yellow label pasted on the front page of this copy of THE KANSAS FARMER, it signifies that your subscription is paid in advance to that date. If this notice is marked with a blue pencil, such marking is intended as a cordial invitation to have you renew with a local agent of THE KANSAS FARMER, or with your local newspaper or to send it to this office.

Owing to the fact that our circulation is growing so very rapidly we are obliged to make up our lists several days in advance of publication day, hence orders for change of address must reach us not later than Monday of any one week in order to become effective with that week's issue. New subscriptions which are received by us on or before Wednesday of any week will begin with that week's issue.

Read our special subscription offer for this week below:

#### SPECIAL OFFER FOR THIS WEEK.

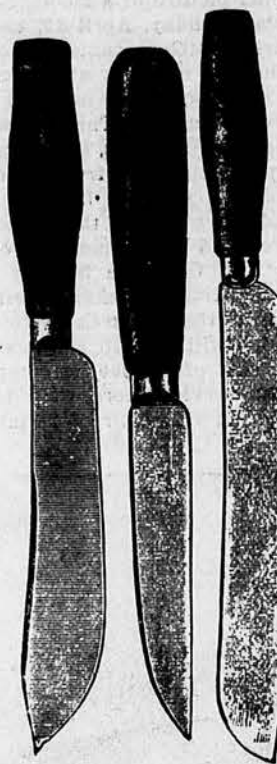
If you will send us your subscription at the regular subscription price of \$1 for one year, \$1.50 for two years, or \$2 for three years, we will send you absolutely free, charges prepaid, the Superior Kitchen Set as described below, or if you will send us two new subscriptions at the above price we will send you the Kitchen Set and credit you one year on your subscription to THE KANSAS FARMER. Use the attached coupon below for sending in your subscription.

#### THE SUPERIOR KITCHEN SET.

Consisting of one bread knife, 12 $\frac{1}{2}$  inches; one kitchen knife, 10 $\frac{1}{2}$  inches; one paring knife, 7 $\frac{1}{2}$  inches.

This set is made by the Simmons Hardware Co., of St. Louis. You know what that means. It means that they are first class. The blades are tempered in oil, waterproof handles.

It would be a useful set in any one's kitchen and would cost more money than we ask for a year's subscription, if you were to go to a store to buy it.



#### USE THIS COUPON.

The Kansas Farmer Company: I enclose you herewith \$..... to pay for the following subscriptions to THE KANSAS FARMER:

Name.....No. of years.....

Post office.....R. F. D..... State.....

Name.....No. of years.....

Post office.....R. F. D..... State.....

Name.....No. of years.....

Post office.....R. F. D..... State.....

for which please send me the following premium ..... as per your special offer in THE KANSAS FARMER.

My name is.....

Post office.....R. F. D..... State.....



commissions and a new set of officers the sensible and economical things to do would be to grant to the Agricultural College funds to be used for these specific purposes.

"Much work has been done both in matters relating to dirt roads, oiled roads, and macadamized roads, and bridges and culverts. Plans have been made and furnished free to county commissioners, township trustees, and road supervisors; special meetings have been held in many counties and the subject of good roads has been placed on the programs of hundreds of farmers' institutes. This year it is on the program of all institutes except in the extreme Western counties. College men who have studied the 'good roads' question discuss it and literature has been sent to all local speakers on the subject. This year the subject has been subdivided, one man talking on 'Drainage,' another on 'Ridges,' another on 'Hills and Grades,' and another on 'The Road Drag.'

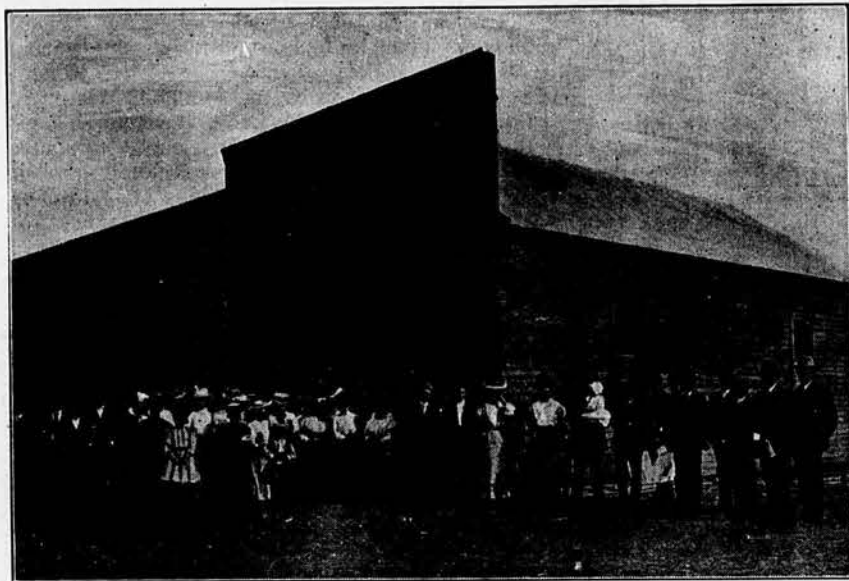
"A bulletin is now being prepared and will be mailed to every farmers' institute member in Kansas that will cover the whole subject of road making, dirt roads, macadamized road, bridges, culverts, concrete, stone, iron, wooden, etc. The bulletin is being prepared by the engineering department and will be published by the institute department. All we need now is a few thousand dollars a year to

what trees to recommend. Give the forestry and institute departments at the college one-half what a forestry commission would cost and much greater returns would come. It seems to me that we have too many commissions now to do the work that existing institutions could do better and at half the expense. There are now at least two whose work belongs to the Agricultural College as clearly as does any department now here. Don't create any more."

#### Religious Work in the Southwest. ISAAC KLINE.

That those seeking homes on the free lands of New Mexico are taking with them their religious tendencies finds evidence if any were needed, in the attached picture of a meeting held at Amdistad Sunday, April 12, 1908.

The first settler came here in March, 1907; he can now stand on his doorstep and count one hundred and eighty-three houses. There are in this section 250 families, of whom 60 came from Michigan, 30 from Ohio, 20 from Iowa, and 40 from Illinois. Being busied in building their homes, they have had no time to erect churches; and they are holding services in a partly finished business building until their church, with the college which will be built at the same time, at a cost of \$10,000, is completed. At this service there were present 260 people; the choir of 20 mixed



Religious Work in the Southwest.

employ a special highway engineer to work with the county engineers and commissioners and others, prepare plans and go out to the different communities that want improved roads and help start the work. The entire expense could be met by a small State license on automobiles as they tear up the roads more than ten times the number of wagons. In this way we could, with but a little remedial legislation, do a lot more work that would meet the needs of the people of the State without needless expense. As the work develops more funds could be used.

"Is it not very unbusinesslike for the State to own a big farm at Manhattan and then 4,000 acres at Hays and also maintain other 'forestry' farms? If the State wants to own all these farms why have separate management? Who is better fitted to direct the forestry work of the State than the Experiment Station horticulturist at the Agricultural College? The institute department has carried on a crusade for three years on 'Forest Planting' at hundreds of institutes and college men and Government men have preached the gospel of tree planting. For thirty years trees have been planted at the station at Manhattan and for eight years plantings have been made at Hays and carefully cultivated and watched until the forestry department knows pretty well

voices was led by cornet and reed organ; the sermon, on "The Life of Paul," was by a professor with a degree from Cornell. In this audience, which filled the building and overflowed onto the sidewalk, were, with their families, four college professors with degrees, two blacksmiths, eight carpenters, three attorneys, four physicians and surgeons, two editors, a surveyor, an electrician, and twenty-seven preachers; the remainder were farmers. All are tillers of the soil and live on farms. They have a Farmers' Institute Club, meeting semi-monthly; a Y. P. S. C. E., meeting each Sabbath; and a Community Improvement Association, meeting every Saturday. Probably an association for the cultivation of the city beautiful will soon be in order—but slumming societies will never exist here, for there will never be any saloons. All deeded lands and lots bear a clause prohibiting lease or sale for saloon purposes. There are two music teachers and pianos are common in the little houses; and in other lines of music are many performers on almost every instrument, including a saxophone quartette to supply music for church and social functions. There are on these homesteads many students whose health would not permit of the strain of climate and environment in the East, who are even educated in the dead languages; sweet-faced women with Boston manners and Paris furbelows; children who take off their hats when they speak to strangers; young ladies who keep their dresses in their trunks in order to make room for the cherished piano, but who, when on dress parade, have the prettiest of styles and the choicest of fabrics.



*Mayer* Wear **HONORBILT** SHOES FOR MEN

These splendid men's shoes represent the best there is in shoe leather. Every piece of material is of the choicest tannage. The workmanship is perfect; the styles are up-to-date. When it comes to service, there is nothing that equals them in lasting qualities. Mayer

**HONORBILT**

THE PROPER SHOES FOR MEN

are everything the name implies. They are "built on honor." No matter where you look, or what you pay, you will never find anything that will outclass them in wear, style or comfort.

If your dealer will not supply you, write to us. Look for the Mayer Trade Mark on the sole.

FREE—Send us the name of a dealer who does not handle Mayer Honorbilt Shoes and we will send you free, postpaid, a beautiful picture of George Washington, size 15x20.

We also make Leading Lady Shoes, Martha Washington Comfort Shoes, Yerma Cushion Shoes and Special Merit School Shoes.

**F. MAYER BOOT & SHOE CO.**  
MILWAUKEE WISCONSIN

 TRADE MARK

## QUALITY IN— Corrugated Metal Culverts

Our culverts are made of the heaviest material, are corrugated deeper and last longer than any other. Our culverts are not made of the ordinary grade of "tin-shop" galvanized steel, but of a special sheet that will last a lifetime. Ask for catalogue and revised prices. We pay the freight and sell direct to consumer.

**The Corrugated Metal Mfg. Co., Emporia, Kans.**



## Hotel Kupper

**Kansas City, Mo.**

Centrally located in the business district.

Modern in every detail. Cafe of particular excellence.

European plan, \$1.00 per day and up.

## IMMUNE HOG--COME TO STAY.

A postal card to the undersigned will bring you proof that Immunizing is the only safe way to have cholera proof hogs. Write today.

**ROBT. RIDGWAY, Box W, AMBOY, INDIANA.**

## Zimmerman Irrigated Lands

The Cream of the Pecos Valley. Now open. All river-front sections. The best alfalfa and fruit lands in America. Sold in 40-acre tracts, which will provide a permanent annual income of \$1,000 or more annually. Price \$35 to \$40 per acre on 5 years time, without interest or taxes, including perpetual water-right. 50 cents per acre as first payment. Address

**THE HEATH COMPANY,**  
625 Jackson St. Topeka, Kansas

## LEARN AUCTIONEERING

and make from \$10 to \$50 per day. We teach you Auctioneering in four weeks' time so you can step at once into one of the best paying occupations in the land and that without capital. We only require one-half of tuition down, the other after you have become a successful auctioneer. 1908 illustrated catalogue now ready. Next term January 4. Actual practice given.

**MISSOURI AUCTION SCHOOL,**  
W. B. Carpenter, Pres. Trenton, Mo.



## Stock Interests

### Feeding Cottonseed-Meal.

Dr. F. B. Mumford, professor of animal husbandry in the University of Missouri, tells how to feed cottonseed-meal to cattle and hogs, as follows: "Cottonseed-meal is usually fed to cattle mixed with other grain. In the corn belt it is probably more satisfactory to make the main part of the ration for cattle shelled corn and supplement this with cottonseed-meal. At the Missouri Experiment Station we have secured good results by feeding cottonseed-meal with shelled corn in the proportion of one to six. In certain experiments conducted here we have found the feeding of from two to three pounds of cottonseed-meal per day per head to be profitable. The average of five years' experiments in feeding cottonseed-meal to yearling cattle on blue-grass pasture has shown that it required about 7.67 pounds of corn and cottonseed-meal for each pound of gain. The exact average amount of corn has been 6.3 pounds, and of cottonseed-meal 1.37 pounds for each pound of gain.

"We have found it generally profitable to feed cottonseed-meal when large gains and a quick finish are desired.

"Cottonseed-meal is not a safe food for hogs. It possesses a poisonous principle which makes it very dangerous to feed to hogs for more than a very short period. It is possible to feed cottonseed-meal to hogs for ten days or two weeks in small amounts, but either linseed-oil-meal or tankage is to be preferred for feeding hogs."

### Selection of Breeding Hogs.

PRESS BULLETIN NO. 164, OKLAHOMA AGRICULTURAL EXPERIMENT STATION.

In this section of country several breeds of hogs, such as the Poland-China, Duroc-Jersey, Chester White, and Berkshire, are bred, but only one market type is produced—the fat hog. True, all grades from half grown pigs to old sows and stags go to market, but the real standard market hog at the Central West live stock markets is the fat hog weighing from 250 pounds to 350 pounds. Pure-breeds or grades of any of the above breeds are expected to and will develop into 300-pound hogs under one year if well fed and cared for. Taken as a whole, there is no marked difference between the early-maturing qualities of these breeds of hogs. Neither has it been proven that one has any marked superiority over the other as to the rate at which flesh may be laid on or the cheapness of gains. The characteristics of these breeds are well marked, and there are special points of excellence that one breed may possess to a greater degree than the others; still, considering the factors which determine almost entirely the profit or loss in hog-raising, namely, fecundity, rate and cheapness of gains, a more marked difference will be found between individuals of the same breed than between any of the above breeds taken collectively. It is therefore necessary whether breeding pure-bred hogs or grades to consider the individual carefully when selecting breeding animals.

### FECONDITY.

The fecundity of sows always appeals to hog-raisers. The size of litters varies with breeds to some extent, but still more with individuals. Statistics compiled by the Indiana Experiment Station show that the average size of several hundred Poland-China, Berkshire, and Chester White litters were, Poland-China 6.5 pigs to the litter, Berkshire 7 pigs to the litter, and Chester White 7.5 pigs to the litter. However, litters of these breeds will vary from three or four to ten or more pigs to the litter. Confinement and over-fattening tend to reduce fecundity. Again, sows that are sluggish or over-refined in type are usually indifferent breeders.

So far as known the sow controls the size of litters, and since fecundity is largely an individual or family characteristic it is good policy to select brood sows only from litters of which at least seven pigs have been successfully raised.

### TYPE.

In selecting breeding hogs, either male or female, the following points should receive consideration: Form, size for age, quality, and feet and legs.

To thoroughly inspect a hog, it is necessary to view it from the side, front, and rear, both standing and in motion. From the side the hog should show a rather short head, full jaw and neck, a strong rather arched back without any depression back of the shoulders or at the loin, a deep body of good length and a deep, well rounded ham. From front and rear the side lines of the body should be straight and parallel, and this will be true if the development of shoulder, spring of rib and ham, are uniform.

Good quality is indicated by fine hair, medium bone, absence of wrinkles, and general coarseness. Hogs coarse in type mature slowly and fatten indifferently. Those possessing harsh hair and skin and showing wrinkles will produce inferior pork.

Breeding hogs should have short, strong legs and strong, upright pasterns.

### COMMON DEFECTS.

Lack of sufficient bone, as shown by weak, broken-down pasterns, is a common defect noticeable in brood sows, especially those that have been fed largely on corn. In fact, feed has much to do with development and strength of bone. A low, weak back indicates weakness, and no young sow showing such a defect should be saved for breeding. These two defects—weak pasterns and backs—may be readily noticed when the pig is moved and often when standing. Other common faults are coarse shoulders open on top, poorly sprung, short ribs, and narrow loin.

### SELECTION OF BOAR.

None but pure-bred boars of good form should be used, and only those possessing early-maturing qualities. By selecting vigorous, well formed sows of prolific families and pure-bred, early-maturing boars of good quality, the best combination is secured. This combination of good qualities may be secured in one breed, but more often hog-raisers attempt to secure them by selecting sows of one breed and boars of another. There is nothing radically wrong with this plan if market stock is the object, still equally good or better results can be obtained by sticking to one breed and making a careful selection of all breeding stock.

### Speculative Trade Revives.

All indications point to a feverish and highly speculative live stock market during the next six months. Small killing plants have been numerous established recently and order buyers have become a pronounced factor in stock yard circles. Wherever a killing plant is established prosperity camps and further expansion of the industry is certain.

Order buying and speculation are sympathetic. The big packer buys in wholesale fashion; the order buyer requires something shaped to suit his purpose, consequently he goes to the speculator. The latter is a venturesome individual. His very daring is responsible for his survival as a trade factor. More than five hundred of these speculative buyers operate on the Chicago market and smaller markets have their full quota. The speculator is invariably a specialist. Occasionally he pays the penalty of error, but survival requires correct judgment most of the time. He is by nature and necessity a bull, consequently his existence is to be desired by the producer.

That speculation will be rampant during the next six months is assured by a supply that promises to lag behind demand. Already pen-and-alley gamblers have demonstrated their

# GOING UP!

Notice is hereby given to the 3,000,000 readers of

## Farm Journal

Philadelphia and to the 3,000,000 readers of this and other farm papers that the subscription rate of this paper is to be advanced on February 1, 1909. Until that date, new and renewal subscriptions will be accepted at the present low rates of

**\$1.00 for 10 Years**  
**60 Cents for 5 Years**  
(Club Rate)



**What Forces Us to Do This** The advancing price of paper and of labor, and the yearly increase in number of pages printed, the larger sums paid for editorial knowledge and skill, and the conviction that we have been giving too much for the money. All have been strong arguments. In all human probability, the price of this paper will never again be so low. It is

**Now or Never** if you want to subscribe at the old rates. Send a dollar bill, and protect yourself for ten years against this increase and any future ones. It is perfectly safe—we'll change your address as often as you please, and get the paper to you if you are on this planet. Ask any subscriber, or your bank, whether or not we carry out our promises. You have often thought of taking the FARM JOURNAL; sooner or later you are sure to need it. One dollar 10 years, 60 cents 5 years, until January 30.

### SUBSCRIBE NOW AND SAVE MONEY

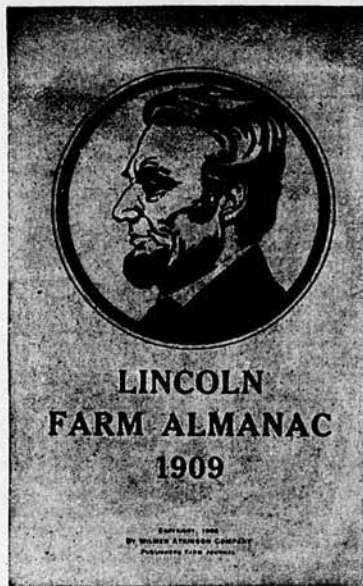
A free copy of the 1909 Lincoln Farm Almanac if your order reaches us by January 4. The Lincoln Almanac contains new and old Lincoln stories, sayings, the Gettysburg speech, calendars for the year, of course; and 24 pages of valuable farm information—curing meats, spraying and planting tables, household recipes, grafting, good roads, etc., etc. All free if you are prompt.

**NOTICE** We still sell any BIGGLE BOOK with Farm Journal 5 years for \$1.00, as advertised last month, and send the book on 10 days' approval. The books are: POULTRY, HORSE, Garden, Orchard, Cow, Swine, Sheep, Berry, Pet and Health. Per Volume 50c Postpaid

**No Letter is Necessary** Cut out this advertisement, write your name and address on the margin, and enclose with the money in a strong envelope addressed to

**FARM JOURNAL, 1092 Race St., Philadelphia**  
Until January 30, new subscribers can get Farm Journal two years on trial for 25 cents. An Almanac, too. No one-year orders accepted.

## A "Lincoln Farm Almanac" for 1909 FREE



Cover of the Lincoln Farm Almanac. See the splendid head of Lincoln.

Washington, list of Experiment Stations for all States, etc.

The Almanac is well printed, and is bound in a specially designed cover in two colors, with a striking profile view of Lincoln's head, a small copy of which is shown at the top of this article. THE ALMANAC CONTAINS NO ADVERTISING MATTER except an announcement of the Biggie Farm Library on the inside of the last cover, and it must surely gratify and please.

We do not sell the Lincoln Farm Almanac on any terms. It is given, free, in connection with subscription offers only. It is sent in a special envelope, and safe delivery is guaranteed.

We have secured a limited number of subscriptions to The Farm Journal, of Philadelphia, together with a supply of these Almanacs and we propose to distribute them FREE.

### THIS IS THE WAY IT IS DONE.

Any one who will clip this advertisement and send to us, together with one dollar to pay for a year's subscription to THE KANSAS FARMER will receive five years' subscription to The Farm Journal and an Almanac absolutely free. The one dollar you send us is the regular subscription price of THE KANSAS FARMER. You will receive it a year at the regular price, and will receive five years of The Farm Journal and an Almanac absolutely free. Send your order at once if you want this bargain.

Address, THE KANSAS FARMER COMPANY, Topeka, Kans.

## \$3,000 to \$10,000 PER YEAR In the REAL ESTATE BUSINESS

The Real Estate Business offers greater opportunities to the man without capital than any other line. The field is unlimited and there is plenty of room for you. I will teach you the business by mail and appoint you my Special Representative and I will give you splendid chances to make money from the start. You can work all or part of your time. One of our representatives made \$500 in one month, another

**\$2400 in TWO MONTHS.**

Both were inexperienced before joining us a few months ago. My company is constantly handling some of the best real estate propositions in America and no matter what you are doing now, I can help you make money if you will join my big co-operative force. This is the greatest real estate organization in the world, and if you would like to know all about our splendid plan, write me for my book, which tells how you can start a successful real estate business. This book is absolutely free. Write me today.

Address HERBERT HURD, Pres. GRAY REALTY COMPANY, 509 Century Building, KANSAS CITY, MO.





ability to force killers to pay a 50-cent advance on cattle in a single week by getting control of available supply and locking it up until their demands were complied with. The bulge in hogs that marked inception of November trade was due to speculative daring. The killer has but to betray his needs and the speculator has a cue.

Active speculation in the stock yards means prompt sales and elimination of shrink. The speculator of necessity divides his winnings with the grower and shipper. When he is idle the market is unhealthy. His extinction as a trade factor would be a calamity.—Breeder's Gazette.

#### An Intensely Practical Course.

The regular short winter course for farmers will be held at the Oklahoma Agricultural and Mechanical College at Stillwater, January 18-23. Each day will be devoted to a special subject as follows:

Monday, farmers' institute day; Tuesday, corn and cotton; Wednesday, live stock; Thursday, dairying; Friday, horticulture; Saturday, machinery.

The tuition is free. Four hundred farmers took advantage of this course last winter. Ample accommodations for all. Write for particulars to J. H. Connell, president Agricultural and Mechanical College, Stillwater, Okla.

### Field Notes

#### LIVE STOCK REPRESENTATIVES.

L. K. Lewis.....Kansas and Oklahoma  
H. L. Cowell.....Kansas and Nebraska  
Geo. E. Cole.....Missouri and Iowa

#### Alysdale Sells a Good One.

Mr. W. H. Dittmar, of Clay Center, Kans., has just purchased the choice young Shorthorn bull Sylvester 291447 from the famous Alysdale herd owned by C. W. Merriam, of Topeka. The choice quality of the cattle in the Alysdale herd has attracted general attention and Mr. Dittmar is to be congratulated upon his good judgment in securing Sylvester.

#### Unedn Duroc-Jerseys.

Tyson Bros., of Circleville, Kans., owners of the Unedn herd of Duroc-Jerseys, have a really good lot of hogs and they are pricing them very low. The spring pigs are by Kerr's Model, who is one of the best sons of W. L. A. Choice Goods. The dams are of Improver, Ohio Chief, and Tip Top Notcher blood, close up. If you are hunting a real snap in choice spring Durocs of either sex, get next to Tyson Bros' herd. Mention THE KANSAS FARMER when you write and they will fit you out.

#### At the Home of Casino.

The letter-heads now read "J. C. Robison, Importer and Breeder of Percheron Horses, Whitewater Falls Stock Farm, Towanda, Kans." This means that J. C. Robison is now sole owner of this famous breeding farm and of the more famous Casino (45462) 27830 who won first prize and reserve championship at the Louisiana Purchase Exposition. Since acquiring the Whitewater Stock Farm Mr. J. C. Robison has set on foot a number of improvements, among them which is the building of an enormous horse barn of which he has promised THE KANSAS FARMER a photograph for reproduction in its columns.

#### 2,500 Premiums to One Herd.

M. W. Savage, owner of the world famous string of horses which includes Dan Patch, Crescens, etc., and manufacturer of the International Stock Food at Minneapolis, Minn., has sent THE KANSAS FARMER a picture of the Chester White boar Protection Chief who has a wonderful record as a show animal. He was always fitted for the show ring by being fed upon International Stock Food two times a day and was the winner of the first prize at the Ohio State Fair four years in succession. He was also first prize winner at thirty-eight other fairs and was never defeated. The herd of which he was the head won more than 2,500 premiums. This record suggests Mr. Savage's motto "Feed International Stock Food and win." Notice the big advertisement next week.

#### A Missouri Hereford Breeder.

T. P. Whittenburg, the Hereford breeder of Pleasant Hill, Mo., is consigning six head (three cows and three bulls) to the Hereford Breeders' sale that is to take place at Topeka, Kans., December 16, under the management of L. L. Vrooman.

Mr. Whittenburg is one of Missouri's progressive and up-to-date breeders of cattle, and the stuff that he has consigned to former sales have met with the hearty approval of buyers at the ring side. The animals that he has selected to offer at this sale are well up to the standard with any he has offered in the past, in fact the cow end are among the best that he has ever offered at public treaty and will afford an excellent opportunity to those wanting to purchase really good cows

that are tried breeders, at their own price.

The richest blood lines of the breed are strongly represented in these cattle, and individually they are good enough to meet the demand of the exacting buyer.

A more complete announcement will be given in a later issue of this paper.

#### Larson's Consignment to the Hereford Sale.

L. P. Larson, of Powhattan, Kans., will put in a consignment of cows to the Hereford sale to be held at Topeka, December 16. These range in age from a 3-year-old heifer to an 8-year-old cow. They are all good breeding cattle and good beefy individuals and are some of the best from his excellent herd. One of the attractions of this sale will be a 6-year-old cow from this consignment, Cherry Queen, by Premier by Beau Brummel and out of Cherry Grove. She is one of those long, low cows of the Beau Brummel type. The other cows from this consignment are Della by Cavalier 2d 105072; Evalina by Hestled 54th 81362; Della who is a daughter of Della and is by Monarch 137287; Betty by Bruce 119241 and out of an Anxiety dam; and Belle by Monarch On 6th. Two of these cows have calf at foot and all except Della and Evalina are bred to the prize-winning bull Beau Royal who took first prize in the aged class at Denver in January, 1908. These cows are good enough to go into any herd and Hereford breeders will do well to take this opportunity to get them.

Inquiries should be addressed to L. L. Vrooman, Topeka, who is managing the Hereford sale.

#### Col. L. R. Brady, Auctioneer.

The art of auctioneering is one that takes probably more diversified talents than any other art. It requires a strong vice, a ready wit, a knowledge of human nature, the ability to read it, and a strong physical constitution. These are a few of the necessities of the successful auctioneer. However, in choosing an auctioneer the question is not whether he has these diversified requirements, but whether he can deliver the goods. Col. L. R. Brady, of Manhattan, Kans., is one of the auctioneers in this part of the country who delivers the goods. He is successful in his sales because he has the natural requirements of an auctioneer, because he studies his business and probably more than anything else, because he tells the truth to the crowd when he is crying his sales.

A few weeks ago F. G. McDowell, of Goff, Kans., held a Duroc-Jersey hog sale. The bad weather that day conspired with the prevailing condition of the hog business. However, the sale was one of the successful ones of the season, and its success can be attributed to the excellent work of Colonel Brady and THE KANSAS FARMER which was the only paper in which this sale was advertised.

Those who employ Colonel Brady once, employ him again. One of the best known and most successful cattle breeders in this State said to the writer last week, "Yes, Colonel Brady will cry my sale. He has cried all that I have ever had and will cry the rest of them. I hope." Colonel Brady makes good.

#### The Dempster Mills are Best.

The Dempster Mill Manufacturing Company, of Beatrice, Neb., is a Western institution of very large facilities that is able to supply the farmer with anything he may want in the line of gasoline engines, windmills, pumps, etc. Founded and developed under Western conditions, this great manufacturing plant has had but the one object of supplying the Western farmer with just what he needs under Western conditions and at prices to suit. Hence it is that their irrigation outfit is the most complete and efficient of any yet seen. Hence it is that their gasoline engines are just what the Western man wants and hence it is that their windmills and pumps are scattered broadcast over the prairie country.

The wonderful exhibit made by the Dempster people at the big fairs was seen and admired by thousands. This was especially true of the irrigation pumping plant as shown at the Kansas State Fair at Hutchinson, where one of their little gasoline engines threw an enormous stream of water day in and day out without a particle of attention except for oiling.

If you will drop them a card telling what you want they will tell you all about it. The gasoline engine is the best hired man to-day. It can do anything. Please mention THE KANSAS FARMER.

#### Tangeman's Percherons.

J. H. Tangeman, who breeds Percherons at Newton, Kans., is starting a card in this issue of THE KANSAS FARMER, and is advertising for sale, at right prices, some extra good young stallions and a few choice mares and fillies. These are all blacks and are remarkable for their heavy bone, good feet, scale, and quality.

Among those which he has for sale, is a fine 2-year-old stallion by Bosquet. This fellow is strong in bone and scale. He will weigh at the present time 1,800 pounds, and bids fair to make at least a 2,400 pounder at maturity. Another extra good one which we saw is a very fancy 3-year-old by the double cross Brilliant stallion Prince Dictator who heads the stud, and out of the Imp. mare Saturnale. This stallion has great style and finish, splendid action, good bone, and feet, and one of the best heads that we have seen. He weighs 1,800 and will easily make a ton horse, and inherits the famous Brilliant blood through both sire and dam.

There are also several fine yearling stallions by Prince Dictator, and Perfection who is being used in the herd. One of these young fellows is out of the World's Fair champion mare, Mina, and one is a grandson of the Imp. Saturnale. Mr. Tangeman will also sell Prince Dictator who has headed his stud for seven years. He is one of the best breeding animals in that part

of the State, a sure getter of good foals and still in his breeding prime.

Among the foundation females are the two World's Fair champion mares Mina and Lena who topped the Avery sale at Manhattan; also Atestus and Belind Bell who were bought at this sale. Another producer of good colts is the Imp. mare Saturnale.

Mr. Tangeman gives his herd his entire attention and his young stock is developed along the most approved lines for breeding purposes.

Prospective buyers should get into communication with Mr. Tangeman at once if they wish to secure some of his best stuff. Visitors by telephoning him will be called for and returned to the depot. Please write him and mention THE KANSAS FARMER.

#### Evergreens at the Farrar Nurseries, Abilene, Kans.

In this issue of THE KANSAS FARMER we are starting an advertisement for E. O. Farrar the nurseryman at Abilene, Kans. Mr. Farrar went into the nursery business six years ago and has built up probably the finest stock of ornamental nursery goods that can be found in the State. He carries almost everything in the line of ornamentals for landscape work, but his specialty is evergreens. The writer had the pleasure of looking at the entire stock on Mr. Farrar's place last week and has never seen a finer lot of evergreens. There were 9,000 or 10,000 growing in one plot and 5,000 or 6,000 in another, making 15,000 in all. These vary from 6 inches to 24 inches in height, and are looking healthy and beautiful.

Mr. Farrar expects to reduce this large stock of evergreens a great deal in the next few months. He is pricing them accordingly. If you wish a few to ornament the front yard or if you wish to make an evergreen hedge you can buy them at prices you can afford, from Mr. Farrar. In fact Mr. Farrar has put the price so low on these when sold in quantities that anyone can afford to have a nice evergreen hedge in front of his place. Anyone at all interested in improving the appearance of their home, should write Mr. Farrar for some of his bargains in ornamental nursery stock. Look up his advertisement.

#### Last Call for Wm. Wales' Shorthorn Sale, December 10.

The excellent offering of Scotch and Scotch-topped Shorthorns at Wm. Wales' sale should attract breeders from all over this State and the neighboring States. This sale is not a complete dispersion, but on account of ill health Mr. Wales is cutting down his herd to about half its present size and the cattle that go into this herd are as good as can be found in this part of the country. There will be 16 dams by one of Gallant Knight's best sons, Brave Knight 3d 182522 by the prize-winning Scottish Gloster. Three of these are 2-year-olds and three are yearlings. The bull section of the sale is made especially strong because Mr. Wales is putting into the sale his excellent herd bull, Scottish Gloster 236978. This bull could not be bought except that Mr. Wales can no longer use him, 25 of his cows being by him. He is a straight Cruickshank and a grand type of a Shorthorn. He is a rare bargain for any one needing a bull. There will also be 8 young bulls in the sale, 4 of which trace back to Gallant Knight on the dam side and are sired by Scottish Gloster. Among those not tracing to Gallant Knight are Dignified Joe 305450 by Scottish Gloster and out of 11th Josephine of Wildwood and Albert 306150 by Scottish Gloster and out of 2d Josephine of Riverside.

A number of the cows have calves at foot. These calves are all sired by Scottish Gloster and their dams are sired by Brave Knight he by Gallant Knight. Several of these dams trace back to the imported Lord Hodal.

This herd is now in the best possible condition and there are a number of show animals in it. The sale will be held November 10 at Osborne, Kans. Shorthorn breeders should not miss this opportunity to buy good Shorthorn cattle. Look up Mr. Wales' advertisement and arrange to attend the sale. The time is short. Write him for a catalogue to-day and mention THE KANSAS FARMER.

#### Administrator's Sale.

The announcement of the administrator's sale from the estate of the late J. C. Strong, of Moran, Kans., which will be held at the farm one mile north of Moran, Thursday, December 17, can be found elsewhere in this issue of THE KANSAS FARMER. Mr. Strong was one of the most successful and progressive breeders of pure-bred stock in that part of the State, and the stock to be disposed in this sale is of a high quality and of the best breeding. The administrator, W. J. Strong, is making this a complete dispersal of all the valuable stock on the place, consisting of registered Percheron, French Draft, and Clydesdale stallions; Percheron mares and fillies; jacks and jennets (Mammoth and Warrior strains); pure-bred Duroc-Jersey swine; twenty-three registered and grade Shropshire sheep; twenty-five high-grade Shorthorn and Red Polled cattle, and eleven grade Percheron and Shire mares, and two Kentucky saddle horses.

Among the horses is the French Draft stallion Glendine 11707, a beautiful black weighing 1,800 pounds and just in his breeding prime; the Clydesdale stallion, Kansas Boy 10315, an individual of scale, bone, and quality, weighing in flesh 2,100 pounds; the Percheron stallion, Jay Hawker, a fine bay yearling with promise of great size and finish.

In the female division is Jessie 50872, a beautiful bay weighing in flesh 1,800 pounds. This mare is very smooth, a sure breeder, and will go in the sale safe in service to an Imp. Percheron stallion. May Lady 50843 is another good one. She is a ton mare of excellent conformation, a sure breeder and will be sold bred to the French Draft stallion Glendine. There are several fine fillies and young stallions out of these mares. The Percherons nearly all trace to the celebrated Brilliant,

### Horse Owners! Use

GOMBAULT'S

## Caustic Balsam

A Safe, Speedy, and Positive Cure

The safest, Best BLISTER ever used. Takes the place of all liniments for mild or severe action. Removes all Bunches or Blemishes from Horses and Cattle. SUPERSEDES ALL CAUTERY OR FIRING. Impossible to produce scar or blemish. Every bottle sold is warranted to give satisfaction. Price \$1.50 per bottle. Sold by druggists, or sent by express, charges paid, with full directions for its use. Send for descriptive circulars. THE LAWRENCE-WILLIAMS CO., Cleveland, O.

## Kendall's Spavin Cure

The old reliable cure for Spavin, Splint, Curb, Ringbone, Sprains, Swellings, all forms of Lameness. Never found wanting as a liniment for both man and beast. \$1 a Bottle; 6 for \$5.

#### At All Drug Stores

#### Used 15 Years

"I have used Kendall's Spavin Cure for the last 15 years and find it cures every time. It is the only liniment I depend on. Can't do without it."

W. J. Powell, Genoa, Fla.

Keep the tried and proven remedy on hand. Don't take a substitute. Get the great book, "Treatise on the Horse," free, of druggists, or write

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



ABOVE IS A SAMPLE OF OUR \$100 CUT

CUTS CUTS CUTS  
for  
CATALOGUES  
CIRCULARS  
LETTER-HEADS  
NEWSPAPERS  
MAGAZINES  
ETC ~ ETC

"You have to show them nowadays"

Mail photo or drawing, stating size of cut, kind of paper to be printed on, and we will ship cuts the day after your order is received.

Let Us Make Your Drawings  
NEWS ENGRAVING CO.  
SPRINGFIELD, ILLINOIS  
Write For Our Prices

### WON'T YOU DO IT?

The Kansas Farmer wants an energetic person, either lady or gentleman, in each county as a local representative. We want someone who can devote some time to our work and we are willing to pay them for it. It would be fine work and good pay for a lady and she could make it a permanent position if she wished to. Write us for particulars.

THE KANSAS FARMER, Circulation Dept. Topeka



DEATH TO HEAVES Guaranteed  
NEWTON'S Heave, Cough, Diarrhea and Indigestion Cure. A veterinary Remedy for wind, throat and stomach troubles. Strongly recommended. \$1.00 per can, of dealers, or exp. prepaid. The Newton Remedy Co. Toledo, Ohio.

## The Blossom House

Kansas City, Mo.

Opposite Union Depot. Everything first-class. Cafe in connection. Cars for the Stock Yards, the up-town business and residence parts of the city and for Kansas City, Kansas, pass the door. Solid comfort at moderate prices. A trial will please you.



and were bred by Hart Bros., of Osceola, Iowa.

The jacks and jennets are an excellent lot of the Mammoth and Warrior strains, with plenty of size, bone, good heads, and feet and are sure breeders. There is one 4-year-old jack that is outstanding. He is almost 15 hands high, with wonderful bone and substance. He was sired by a 1,200-pound jack. Black Lion, a 7-year-old, is a fine specimen and both of these jacks are sure breeders and good performers. There is also one very fine weanling jack. There are six good jennets and two jennet colts, and several of the jennets are safe in foal.

There will also be listed eighty head of pure-bred Duroc-Jerseys representing such sires as Proud Advance, Kant Be Beat, and Missouri Wonder. These will comprise some excellent brood sows, a number of fancy well grown spring gilts, a few good spring boars, two yearling boars, and the herd boar Pilot by Long Wonder. Most of the sows will be bred for early spring farrow.

Everything will be well fitted and in the most useful condition. The sale will be held at the farm, one mile north of Moran, and will commence at 10 a. m. sharp. There will be free conveyance to the farm and railroad facilities are of the best, fifteen trains stopping daily at Moran.

Look up display advertising elsewhere in this issue and write W. J. Strong, administrator, Moran, Kans., for further information and arrange to attend this sale.

#### Capital View Galloways.

Geo. E. Clark, 2301 Van Buren St., Topeka, proprietor of Capital View Herd of Galloways, is offering for sale, through his advertisement which starts in this issue of THE KANSAS FARMER, an extra good lot of coming 1- and 2-year-old bulls.

There are seventy of these and they are among the best ever produced on the place—strong, well grown, vigorous young fellows with plenty of bone and substance and strong in quality. Capital View Herd numbers over two hundred head of high-class Galloways. The herd matrons, which represent nearly all of the best and most valued strains of the breed, are noted for their vigor, thrift, and strong breeding qualities. From such dams these bulls inherit the constitution and vigor that makes for the strong breeding animal. They are sired by Lost Boy of Platte and Meadow Lawn Medallist, two of the best breeding bulls ever used on the herd.

Meadow Lawn Medallist is not only an outstanding sire and producer of good calves but is a show bull as well, that has never been defeated in the show ring, winning first and champion at many of the great shows and fairs, such as the American Royal at Kansas City, the State fairs of Missouri, Iowa, Minnesota, and the St. Joe Exposition. Lost Boy of Platte is an excellent breeding bull of high-class, uniform calves. His get is noted for their quiet dispositions and easy feeding qualities. These young bulls have not been pampered but have been developed on free range, are hardy and vigorous, and are the kind to make good under all reasonable conditions. The attention of prospective buyers is called to the advantages of buying early. They will not only have the benefit of a better selection, but they can save money in freight for animals under 12 months can be crated and shipped at their actual weight. Mr. Clark will crate and deliver f. o. b. at the nearest shipping point all those that can be handled in this way. There is also the advantage of getting them thoroughly halter broken and used to quarters before the breeding season begins.

Look up Mr. Clark's advertisement elsewhere in THE KANSAS FARMER and write him, or visit the herd.

#### Breeders' Sale of Poland-Chinas and Shorthorns at Chanute, Kans., December 18.

Elsewhere in THE KANSAS FARMER can be found the announcement of the breeders' sale of Poland-China hogs and Shorthorn cattle which will be held at the fair grounds, Chanute, Kans., Friday, December 18.

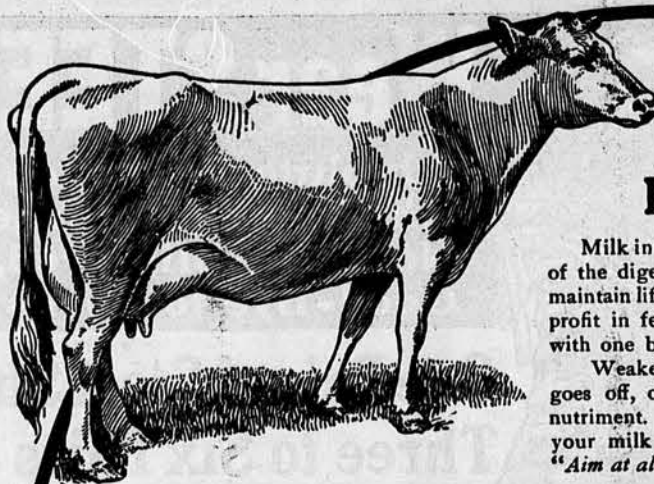
The offering will consist of carefully selected animals from the herds of some of the best known breeders in that part of the State, which is a sufficient guarantee of its quality and usefulness. The writer recently inspected nearly all of the consignment and found it more than a useful lot, and that these breeders are listing some of their best breeding stuff for this sale.

There will be forty head of Poland-Chinas, consisting of eight choice proven sows representing such sires as Meddler, Corrector 2d, Proud Archer, Grand Perfect, and Peerless Perfection 2d; three extra good fall yearling gilts out of big, smooth dams and by Grand Perfect and winter gilts by Grand Perfect, Bandmaster, and Finisher; and five top spring boars, one of these is by Blain's Wonder one is by Finisher out of a choice Sunshine 2 dam, and there are several by Bandmaster. This offering represents both the large and medium types of Poland-Chinas, and the females of breeding age are nearly all bred to the big type boars. Mammoth Ex 2d a grandson of Expansion and to a good breeding son of Blain's Wonder.

J. W. and H. F. Pelphrey & Sons and Jewell Bros., of Humboldt, are contributing these hogs and are making more than an even divide of their best stuff. As an attraction to the sale J. W. Pelphrey & Sons are consigning the fine sow Okie 2d, dams by Meddler the World's Fair champion. Another good one which they have listed is Peaches, by Corrector Chief out of a Peerless Perf. 2d dam.

The twenty Shorthorns advertised will come from the well known herds of E. S. Myers, Chanute; Laude & Son, Rose; J. T. Bayer, Yates Center; A. B. Mull, Iola; Jewell Bros., Humboldt; and Geo. McFadden, Benedict, Kans.

Mr. Myers has listed an extra good,



## Get More Milk—Fat More Beef

Milk in the cow and fat on the steer are both the result of the digestion of food over and above that required to maintain life and repair waste. You see, then, that the whole profit in feeding for either milk or meat is vitally connected with one bodily function—digestion.

Weaken the stomach and other digestive organs, and appetite goes off, or the manure heap is made the richer by undigested nutriment. Strengthen these vital parts, and appetite is sharpened, your milk pail fuller and your steer heavier. Therefore we say, "Aim at all times to strengthen animal digestion."

# DR HESS STOCK FOOD

makes stomach, intestines, their nerves and every other organ of the animal act up to full capacity, a condition which we have already seen means profitable production. Dr. Hess Stock Food is not a ration, or to be fed alone; but given twice a day in the ration, it brings about the greatest possible assimilation, or healthful use, of large quantities of food.

Increasing the stockman's profit by increasing digestion is known as "The Dr. Hess Idea." Dr. Hess (M.D., D.V.S.) believed it possible to put feeding on a more paying basis by making perfect digestion, and for that purpose he formulated his Stock Food. We have seen how it benefits the cow and the steer—it is just as valuable for the horse, sheep or hog.

One very important thing about Dr. Hess Stock Food is the way in which it makes appetite for rough fodder. Cattle receiving it eat much hay and stover, which, of course, is a saving of grain. It also (by increasing digestion) saves waste of food in the manure.

The ingredients in Dr. Hess Stock Food are indorsed by such men as Professors Winslow, Quitman and Finlay Dun, and it is sold everywhere on a written guarantee. The dose of Dr. Hess Stock Food is small and fed but twice a day.

100 lbs. \$5.00;  
25 lb. pail \$1.60.

Except in Canada and extreme West and South.  
Smaller quantities at a slight advance.

DR. HESS & CLARK,  
Ashland, Ohio.

Also Manufacturers of Dr. Hess Poultry Pan-a-ce-a and Instant Louse Killer.

FREE from the 1st to the 10th of each month—Dr. Hess (M.D., D.V.S.) will prescribe for your ailing animals. You can have his 96-page Veterinary Book any time by asking. Send 2c stamp and mention this paper.

## DR. HESS POULTRY PAN-A-CE-A

It's not a difficult thing to have plenty of eggs almost the year round if you make Dr. Hess Poultry Pan-a-ce-a a part of your daily feed. A hen that eats Dr. Hess Poultry Pan-a-ce-a makes them eat with appetite and put to use more of the egg-producing food. This is known as "The Dr. Hess Idea"—to give strength to digestive organs and so prevent food waste, it being evident that the more food used the more eggs would be laid.

Dr. Hess Poultry Pan-a-ce-a, besides making eggs, also helps toward the fattening of a market bird, shortens moulting time and is very good indeed for growing chicks. It has the endorsement of Poultry Associations in both United States and Canada and cures gapes, cholera, roup, etc. It is sold on a written guarantee: one penny's worth being enough for 30 hens one day.

1 1/2 lbs. 25c; mail or express 40c. 5 lbs. 60c; 12 lbs. \$1.25; 25 lb. pail 2.50. Except in Canada and extreme West and South. Send 2c for Dr. Hess 48-page Poultry Book, free.

## INSTANT LOUSE KILLER KILLS LICE

well grown 2-year-old Scotch-topped heifer by Godoy Butterfly, he by Godoy, her dam is Scotch Wild Eyes by Velox, he by Imp. Salanus. This heifer will soon calve to the service of Barnsdale 300125, who topped the Woodson County Breeders' sale at \$250; also a fine yearling heifer by Denton 253998, dam Tennessee Wild Eyes by Godoy Butterfly and the Thomas Young Mary 3-year-old cow Prince Mary 5th by Godoy Butterfly dam Princess Climax, by Golden Climax.

J. T. Bayer will contribute one of his best cows by Kansas Lad also an extra 10 months bull calf by Kansas Lad and out of the show cow Red Bird. Laude & Son consign an extra good cow by Rose Mary Victor 12th, dam Lady May 2d, also a cow and bull calf.

A. B. Mull in his consignment is furnishing some of the attractions of the sale. Three of his six head are the Imp. Scotch cow Rowan and her two heifers by the Harris bred Cruickshank bull Baron Victor. The others are nicely bred Zellas.

Jewell Bros. are listing two good yearling bulls by Godoy Butterfly, and Geo. cFadden one.

These cattle will be presented in good thrifty breeding condition and are just the kind to buy for first class breeding stock. There is sure to be bargains at this sale and buyers should not miss this opportunity. The sale will commence at 10 a. m. and the cattle will be sold before noon. Remember the time and place, Friday, December 18, at the fair grounds, Chanute, Kans. Look up display advertisement elsewhere in THE KANSAS FARMER and write for catalogue.

#### How Frank Iams Does It.

On the front page of this issue will be found the illustration of the kind of horses being handled by Mr. Frank Iams, of St. Paul, Neb. Concerning his offering, Mr. Iams writes: "My black stallions are eye-openers to international buyers, their cousins, aunts, and a 'little bit more.'"

All the world knows Iams, the big stallion importer of "peaches and cream" fame. Twenty-six years ago, with three stallions, a very little money, but a big "bundle of push" and a determination to be a "noted horseman" and successful business man, he pitched his tent at the "wide awake" horse town of St. Paul, Neb. He "lifted the lid" in the "stallion business," had a way "all his own" in buying and selling first-class stallions at "let-live prices." His business has grown and to-day a mammoth department store house of the best and finest draft and coach stallions in the world. For the past seven years his importations have come by special express train of eighty to 180 stallions in a bunch. He has kept "sawing wood" and butts in and is selling more and better stallions every year. Iams, by his "pushin' and shovin'," has sidetracked and laid "on the shelf" barns full of "con salesmen" and "hammer knockers," and they are still "boosting Iams" with their knocking, but Iams believes in first-class advertising and at the "round-up" you will find Iams "has the goods." Makes all buyers of stallion "sit up and take notice" that he is the "king pin" for first-class stallions and low prices.

He has two hundred Percherons, Belgians and Coaches, two to six years old, weighing from 1,700 to 2,500 pounds, all fresh, new, imported stallions and mares. No old last year's

"show horses" on hand. Iams sells "show horses" to his customers each year, and buys new and better ones for his customers. Iams' "town of barns" are "filled to the roof" with "peaches and cream" "black boys" that are sure eye-openers. Ikey boys that visit Iams are "all up in the air" over his "black boys" and say: "Iams has the goods." They are better than the pictures he has in the papers, and if you visit him and don't find everything in his advertisement or catalogue as represented, you get the \$500 he hangs up. Iams guarantees to sell you a better stallion at \$900 to \$1,400 (few little higher), than are being sold to farmers' stock companies at \$2,500 to \$4,000 each, with 60 per cent breeding guarantee, freight and fare paid by Iams. He furnishes buyers \$1,500 insurance. You say: "How can Iams sell better stallions at half the price of others?" Iams buys and sells every stallion himself at his home barns. He speaks the languages, saving you 20 per cent. He is not in the "stallion trust," saving you \$300. He pays no "slick salesman" \$100 to \$1,000 to sell you a fourth rate stallion. He has no two to ten men as partners to share profits. He pays spot cash for his stallions, owns his farms, houses, barns, stocks, and stallions. He sells stallions by "hot advertising."

The illustration is Iams' Clarion de Bosart 258900 Belgian stallion, four years old, weight 2,060 pounds, a prize winner in Belgium. Watch his smoke in 1909—\$1,300 stallion worth \$4,000. Models of two hundred imported stallions and mares that must positively be sold. Dad, don't be "locoed" or sidetracked by any "hammer knocker stallion salesman." See Iams; he sells the "cream" of France and Belgium and will easily save you \$1,000 and give us a "square deal."

Stockman, you are a wise old owl. Iams has a "business proposition" up his sleeve that will save your bank account. Invest your money in a "peaches and cream" stallion and four mares. They will make you 40 per cent and you will know where your money is daily. They will bring you an income for twenty years that is safe. Iams, the square dealing horseman, knows the banking business and how to get money out of banks. He will take your drafts, certified checks, time certificates of deposit, cashier's checks or good notes. Write for Iams' horse catalogue and eye-opener. He will treat you like a prince, and you won't need to "stay off the grass," but you can see all the horses and get "special prices" at his barns.

#### Ludwig's Shorthorn Dispersion Makes an Average of \$100.18.

A goodly number of breeders and a large local crowd attended E. D. Ludwig's Shorthorn dispersion at Sabetha last Wednesday, November 25. Some of the best Shorthorn cattle that can be found in the State were sold at the auction and the entire herd consisting of fifty-six head brought the fair average of \$100.18, making a total \$5,610. The day was damp and cold and toward the end of the sale a light snow began to fall. These unfavorable conditions of the weather probably affected the bidding, as the sale was held out of doors. Had favorable conditions of the weather prevailed a much better average would probably have resulted. A large proportion of the cattle were sold to Kansas breeders, though there were several good buyers from Nebraska and Missouri.

W. A. Bloomer, of Lebanon, Kans.,

**VETERINARY COURSE AT HOME.**  
\$1200 year and upwards can be made taking our Veterinary Course at home during sparetime; taught in simplest English; Diploma granted; positions obtained successful students; cost in reach of all; satisfaction guaranteed; particulars free. **ONTARIO VETERINARY COLLEGE, SPADINA SCHOOL, Ont. 17, London, Canada.**

#### FOUR BURR MOGUL MILLS

Double the capacity of geared mills.  
Fours Burrs grinding at once.  
Positively no friction, lightest draft known.  
Four horse mill grinds 60 to 80 bushels per hour.  
Two horse mill grinds 30 to 50 bushels per hour.

Also our famous Iowa Mill, No. 2, \$125.00.  
Send for free catalogue.

**BOVEE GRINDER & FURNACE WORKS,**  
24—8th Street. Waterloo, Iowa

## Pain Weakens

Headache, rheumatism, neuralgia, or pains of any nature weaken the system—they are a strain upon the nerves. Almost instant relief can be obtained by taking Dr. Miles' Anti-Pain Pills, and without any bad after-effects. Take one on first indication of an attack—it will ward it off. They are a pleasant little tablet, sold by druggists everywhere, 25 doses 25 cents; never sold in bulk.

"I was subject to constant headaches for a period of four years. At times I was almost unfitted for the work in which I am engaged, that of station agent. Through the advice of a friend I tried Dr. Miles' Anti-Pain Pills, and the result has been that I have entirely eradicated my system of those continuous headaches that follow a continual mental strain. They have done for me all that is claimed for them."

O. L. RUSSELL,  
Agt. C. & N. W. Ry., Battle Creek, Ia.  
"I have used Dr. Miles' Anti-Pain Pills for a year now for neuralgia and find there is nothing like them. They surely have been a blessing to me."  
MRS. M. J. HAMILTON,  
Upper Alton, Ills.

Your druggist sells Dr. Miles' Anti-Pain Pills, and we authorize him to return the price of first package (only) if it fails to benefit you.  
**Miles Medical Co., Elkhart, Ind**



topped the sale at \$290 for the great cow, Pleasant Hill Victoria 2d by Godwin 11676. The pure Scotch cow Redbud 2d from the Barwith Bud family was bought at a bargain by F. M. Gifford, of Wakefield, Kans., for \$205. This cow was sired by Red Knight 120752 by the imported prize winner Spartan Hero 77932. Mr. Gifford was one of the strong buyers at the sale, securing six excellent dams. The great herd bull, Sybil's Viscount, of Independence, Mo., got him for \$285. Mr. Williamson also secured two pure Cruickshank dams, Red Bird by Barmpton Knight for \$140 and Scottish Collynie for \$120. W. A. Bloomer, of Lebanon, Kans., was also one of the strongest buyers of the sale, securing in addition to Pleasant Hill Victoria 2d the top of the sale, four excellent dams. Sales of \$75 or over are reported below:

1 Sybil's Viscount, Jas. Williamson, Independence, Mo.	\$285.00
2 Redbud 2d, F. M. Gifford, Wakefield, Kans.	205.00
3 Scottish Lady 2d, E. J. Sands, Robinson, Kans.	170.00
4 Red Bird, Jas. Williamson, Lebanon, Kans.	140.00
5 Scottish Collynie, Jas. Williamson, Lebanon, Kans.	120.00
6 Pleasant Hill Victoria 2d, W. A. Bloomer, Lebanon, Kans.	290.00
7 Barmpton Gem, F. M. Gifford, Wakefield, Kans.	155.00
8 Scottish Beauty, W. A. Bloomer, Lebanon, Kans.	165.00
9 Rose Lovely, C. A. Willard, Sabetha, Kans.	75.00
10 Lovely, F. M. Gifford, Wakefield, Kans.	90.00
12 Vera, W. A. Bloomer, Lebanon, Kans.	107.50
13 Lulu 2d, F. L. Willis, Horton, Kans.	100.00
14 Phyllistia 2d, M. C. Vansell, Muscota, Kans.	110.00
15 Lillian, M. J. Stine, Bern Kas.	85.00
16 Helen, F. M. Gifford, Wakefield, Kans.	87.50
17 Vendetta, C. Williams, Sabetha, Kans.	82.50
18 Daisy, Frank Robinson, Lincoln, Neb.	90.00
20 Sweet Rose, J. C. Segrist, Lincoln, Neb.	80.00
21 Lady Sunshine, F. L. Willis, Lincoln, Neb.	95.00
22 Duchess, J. P. Morris, Salem, Neb.	85.00
23 Rhoda 5570, Riden Bros., Salem, Neb.	102.50
24 Barmpton's Beauty, W. A. Bloomer, Lebanon, Kans.	82.50
25 Beauty 20503, M. C. Vansell, Lebanon, Kans.	110.00
26 Julia, W. A. Bloomer, Lebanon, Kans.	75.00
27 Lucile, O. F. Hunt, Lewiston, Neb.	85.00
28 Dewdrop, D. C. Reber, Morrill, Kans.	75.00
30 Perl Baroness of Fairview, Al Ernest, Salem, Neb.	90.00
31 Roan Lady, S. A. Amcoates, Clay Center, Kans.	82.50
32 Butter Cup, S. A. Robinson, Monett, Mo.	90.00
34 Minnie May, F. A. Hamm, Holton, Kans.	80.00
51 Phyllis's Knight, J. P. Moore, Lincoln, Neb.	100.00
54 Symphony's Gem, C. A. Shores, Lamaster, Kans.	200.00
55 Bonnie, W. A. Bloomer, Lebanon, Kans.	110.00

#### Something to Help the Hen-Man.

Poultry keeping is much like any other business—the success one has in it is largely determined by the knowledge one has of it. There's this in favor of poultry keeping, however, aside from the generous profit it pays; it doesn't take long for any man or woman or boy to learn all there is about it. Knowledge of a few simple rules about feeding, shelter, cleanliness, etc., are of course necessary, but the one essential fact that the would-be poultry keeper must get hold of and hang to is the necessity of keeping his fowls healthy and prolific by giving a small dose of Dr. Hess Poultry Pan-a-cea every day in soft feed.

This is not advising you to give stimulants or anything that will force a sudden and phenomenal period of laying, likely to be followed by a longer period of inactivity.

Dr. Hess Poultry Pan-a-cea is not a stimulant. It is a tonic—a scientific preparation formulated by Dr. Hess (M. D., D. V. S.), and its use has become known everywhere among poultry men as "The Dr. Hess Idea."

If you are traveling about the country and should take pains to inquire of prosperous poultry men, in almost every instance you would find them depending on Dr. Hess Poultry Pan-a-cea to keep up the egg yield.

This is because Poultry Pan-a-cea aids the digestion of the hen. It is compounded of helpful elements—things which the medical profession recognizes as such; and a mere trifle of it given regularly will cause a hen to assimilate so large a proportion of her food that she can't help laying more and better eggs. And more than that—she will continue to lay as long as her digestive organs get the help of Poultry Pan-a-cea.

And further—she will be healthy, active and free from the common complaints that so often turn a thrifty paying flock of hens into a disappointing aggregation of lazy, droopy non-producers.

"The Dr. Hess Idea" has worked wonders in the poultry business. Not only does it make the laying hen a better layer, but it is equally beneficial to all fowls.

Try it on the old hens whose usefulness as egg producers is over and see how fast they fat and how profitable they become as market birds. Give it to the tender growing chicks and astonish yourself by their rapid growth and development. Dr. Hess Poultry Pan-a-cea will make winter layers out of mid-summer chicks and pay you that way over and over for its trifling first cost.

And the molting period—that time so gloomy to the ambitious hen-man—is shortened by Pan-a-cea so that the hens are soon in feather again and laying. In fact, most hens getting Pan-a-cea will not stop laying, but drop an occasional egg even when suffering the vital drain of re-feathering.

Truly, "The Dr. Hess Idea" and Poultry Pan-a-cea are a blessing to the poultry man; and there is no reason why every hen owner should not profit by it. It is sold everywhere and always under a written guarantee—if it doesn't "make good" you get your money back.



**FREE**

Send for our booklet, "The Sole of Steel"—or, better still, send for a pair of Steel Shoes. See our Money-Back Guarantee Offer below.

# Wear STEEL SHOES

**Absolute Protection Against Colds, Rheumatism, Stiffness, Discomfort. No More Blistered, Aching Feet. Good-Bye to Corns and Bunions!**

## One Pair of Steel Shoes Will Outwear Three to Six Pairs of Leather Shoes

Just as a matter of economy, it will pay you to wear Steel Shoes. One pair will easily outwear from three to six pairs of leather shoes—saving \$5 to \$10 of your shoe money in a year. But the comfort of Steel Shoes is an equally strong reason for wearing them. You simply can not realize what foot comfort really means until you have worn Steel Shoes. They do not twist and warp out of shape like leather shoes, because the rigid steel bottoms compel them to keep their shape always. Unlike rubber boots, they do not make your feet hot and sweaty. They are light, dry, warm and clean. You can work anywhere—in mud or slush—in all sorts of weather—and you'll find them restful and comfortable.

## Comfort and Economy of Steel Shoes Explained

### Strongest Working Shoes Made

The soles of Steel Shoes and an inch above the soles are stamped out of a special, light, thin steel. One piece of steel from toe to heel—not a seam or joint anywhere.

The uppers are made of the very best quality of pliable, waterproof leather—riveted on to stay. The bottoms of the soles are studded with steel rivets, to give you an absolutely safe, firm footing, no matter how slippery the way.

A man who wears steel shoes doesn't have to own three different styles of working shoes. No arctic or felt boots necessary. Steel Shoes need no repairs.

### Better Than Rubber Boots

Rubber boots keep the feet hot and sweaty and make them very tender. They are positively injurious to health.

Steel Shoes, with their waterproof leather uppers, give you the same protection as rubber boots, without sweating your feet.

One pair of Steel Shoes will outwear at least three pairs of rubber boots.

### Steel Shoes Save Doctor Bills

Wear Steel Shoes and you will not suffer from colds, rheumatism, neuralgia and other troubles and discomforts resulting from cold, wet feet. They prevent sickness, save doctor bills.

No lost time on account of cold, wet, stormy weather!

The inner soles of Steel Shoes are springy Hair Cushions, which absorb the perspiration and foot odors.

They also give elasticity to the tread, and absorb the shock when you walk on hard or stony ground.

The Hair Cushions can easily be taken out and cleansed. Being shaped to fit the feet, and having these Hair Cushion insoles, Steel Shoes keep your feet free from corns, bunions, callouses and soreness.

They need no breaking in. Are easily slipped on or off. They are comfortable all the year 'round. The saving in medicine and doctor bills will pay for Steel Shoes many times over. Order a pair today!

### No More Sore, Tired, Aching Feet

Throw away your old rubber boots—your rough, hard, twisted, shapeless leather shoes—and wear Steel Shoes instead. Then you will not be troubled with sweaty, blistered, tired, aching feet or tortured by corns and bunions.

### Your Money Back if Not Satisfied

We make you safe in sending for a pair of Steel Shoes by agreeing to refund your money without delay or argument if you are not satisfied when you see the shoes. Shoe money cannot buy bigger value than either a \$2.50 or \$3.50 style of Steel Shoes. Sizes 6 to 12.

We strongly recommend the \$3.50 pair because the 9-inch uppers give you the best possible protection and the utmost satisfaction.

Don't cheat your feet out of the comfort of Steel Shoes. Think of the trifling cost—the big saving in shoe bills and doctor bills. Send only \$3.50 for our 9-inch Steel Shoes (state size shoe you wear) and the best and most comfortable working shoes you ever wore will come by fast express. Send today.

## Steel Shoes Made in Two Styles

We make them in two styles. Our \$2.50 Steel Shoes have six-inch uppers and are better than the best all-leather \$3.50 shoes on the market.

Our \$3.50 Steel Shoes have nine-inch uppers and are better than the best all-leather shoes you can buy at any price. We specially recommend the \$3.50 shoes because the nine-inch uppers give the best protection under all conditions.

**STEEL SHOE CO., Dept. 53, Racine, Wis.**

### ORDER BLANK FOR STEEL SHOES

Steel Shoe Co., Dept. 53, Racine, Wis.

Gentlemen:

I enclose \_\_\_\_\_ for \$ \_\_\_\_\_

In payment for \_\_\_\_\_ pair Steel Shoes, size \_\_\_\_\_

Name \_\_\_\_\_

County \_\_\_\_\_ State \_\_\_\_\_

Town \_\_\_\_\_ R. F. D. \_\_\_\_\_

### Western Canada as Seen by a Noted Writer.

Emerson Hough, the celebrated novelist, who made a somewhat extended trip through Western Canada, during the past summer, grows enthusiastic in his description of "The Last Best West," which comprises the Provinces of Manitoba, Saskatchewan, and Alberta, as all other writers who have ever visited that great country. To extract from what he has said we find the following:

"That black strip across the landscape—it was not the shadow of a passing cloud, but the record of a plow! These yellow gray bands were the fields of stubble already reaped. These other bands of green, of pale yellow, of deep bright yellow—they were the fields of wheat, among which the binders were yet to do their work! The centuries-old soil was finding its first upturned exposure to the sun. Surely the plow had come! There is no more thrilling experience than this, of seeing the ancient wilderness just passing into the first loose fingers of civilized man's occupation."

"Here was the wheat, crowding up to the trail, high as the wagon seat as we drove through. At the edge of a grumbling cow man's unwonted but occupied range, we reached down and plucked off ripe wheat in handfuls, crumpling out into the palm the full ears of triple-rowed kernels, magnificent grain, the food which the world must have—that grain upon which the whole civilization of the earth seems to depend; for when the wheat has come, civilization has taken hold of the land never again to lose its grasp. One who loves the open air and the wild world can not suppress a sigh of regret at first thought of the passing plains, at the thought of the dead romance of the rancher; but, none the less, there must come the soberer thought that the wilderness of this world, as well as the scant fields of the older world, belong to the world and the world's people."

"Extended personal inquiry in the course of a long journey failed to discover one farmer who was homesick or discontented, or who declared that he was going back to Old England or to the States. Without exception they declared that they were not only contented, but prosperous. In most cases their one or two crops had given them

their lands and their first farmstead buildings of rude comfort, at least, fully paid for; and this land was their own. No basement life for these settlers, nor for their children, nor their children's children; no back rents, no struggle with a worn, exhausted soil; no cap-touching to a so-called superior class. Here was a different field for humanity. Is there any difficulty in predicting the difference between the product of such fields and those of the 'pent and huddled East'?"

"It was a fascinating sight, this middle land between the old and the new. Most fascinating of all was the air of hope and confidence. Something set the blood tingling in the veins. No one here spoke of despair or discouragement. These men made no repining at their lot as frontier farmers. Their sole and engrossing concern was the question of means of getting out their wheat to the markets—for even in Western Canada farming has run in advance of transportation."

"In such regions as this, one still travels as one likes across country, paying no attention to roads; although now and again one comes upon roads rudely plowed along the section lines, in some case, near the railroads, fairly well worked. The time of the 'main-traveled road' is passing rapidly, even in Canada. Soon the fences will come along the highways, and all travel will follow the lines bounding artificial rectangles. Exulting in our liberty, for the most part our party continued to travel direct toward a destination. We still held to the prairies; and still on every side of us was wheat, wheat, wheat!"

### SENT FREE—A PRACTICAL BOOK—LET THAT EVERY FARMER NEEDS.

Just Write to the American Harrow Company, Detroit, Mich., for Your Copy.

The farmer of to-day wants all the knowledge he can get which will help him to increase the money returns from his labor and his money.

Their free book on fertilization is chock full of dollar-making facts and ideas. Unless you already have one of their free booklets on the "Care, Value, and Application of Manure" and their 1909 American manure spreader cata-

logue, it will be worth your while to write for them at once.

The catalogue fully describes the famous American manure spreader, a machine that has stood the hardest of tests and proved its durability and dependability in all kinds of work and under all kinds of conditions. It is the result of over twenty-five years of broad manufacturer's experience and its many exclusive features are, every one of them, practical improvements.

The book, on the care of manure gives information that will be of value to any farmer, whether he spreads manure by hand or with a machine and it costs you nothing.

The American Spreader will pay for itself in a year or two according to how it is used and it would save you a lot of hard, disagreeable work. One man and an American will do as much as three men and two wagons spreading manure in the old way—and do it better.

The American manure spreader is sold direct from the factory to your farm on a full month's approval test—on cash or on time payments—and is fully guaranteed.

The Detroit tongueless disk harrow made by the same company is the greatest modern improvement in harrows. Doing away with the tongue and providing a forward truck does away with all threshing of the tongue between the horses, sidedraft and neck-weight, the things which put a horse out of commission just at the season when you need him most. You can turn shorter with the Detroit tongueless and every horse does his share of bringing the machine about.

On this machine, you may also have an extra attachment, a transport truck, on which the machine can be mounted and transported from one place to another. This saves the machine when going over stony or sandy roads, bridges, etc.

The Detroit tongueless disk is sold direct to you at factory prices on thirty days' free trial. Catalogue is free; send for it to-day, and tell them whether you want a spreader or disk catalogue or both, and be sure to mention this paper.

Address the American Harrow Company, 1018 Hastings street, Detroit, Michigan.



## Agriculture

### To Prevent Erosion in Hillside Fields.

There are lands in Kansas which are losing their value on account of washing. In several of the Southern States this loss is far greater than in Kansas on account of the nature of the soil and on account of the torrential character of the rains. In Mississippi the old planters used to protect their fields against erosion under the direction of competent engineers. With the passing of the "big plantation" more slipshod methods obtained. Of late there has been an awakening and the Mississippi Agricultural College has revived some of the methods of the old planters. These are described in Bulletin No. 108 of the Mississippi Experiment Station, from which the following excerpts were taken:

"Three methods of terracing land have been developed with a view to prevent washing. One is to have a system of level embankments about four feet wide and eighteen inches

one system of embankments with the rows crossing these in order that they may conduct the water slowly to them. (See Fig. 3.)

A third system aims at producing, by the method of plowing, real terraces or comparatively level areas on the side or slope of the hillside. To accomplish this, lines of level are run the same as in system one, but no embankments are made. A hillside plow that turns all furrows down hill is always used in breaking. Wherever the lines of level have been run, leave an unplowed space 12 to 15 inches wide at each plowing. Let the soil of the first furrow, in each terrace space, be turned on to the unplowed space, thus elevating this space. If the plow breaks six inches deep, the grade or fall of each terrace space or area will be reduced one foot every time the land is broke. In carrying out this system the rows are run on a level. It only differs from the system first described in not making an embankment to start with and in the use of hillside plow in breaking. (See Fig. 4.)

The perpendicular fall between these terraces should be about 4 feet and the same is true of the system

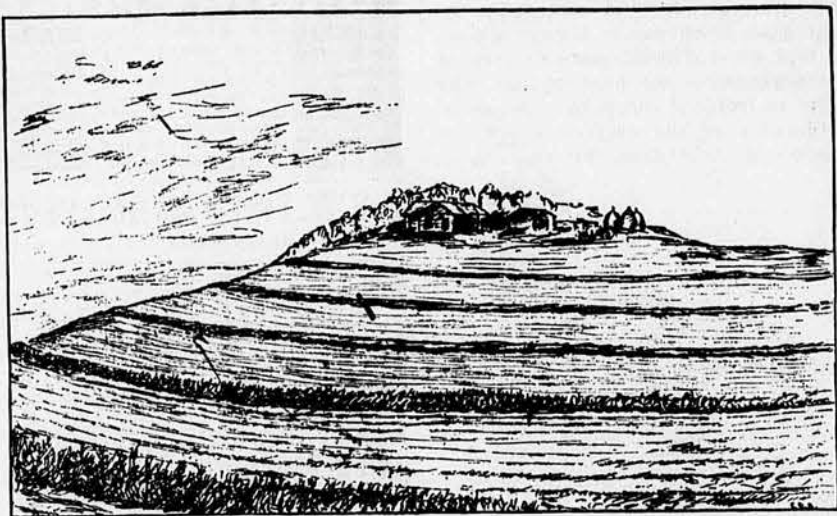


Fig. 1.—Showing Level Embankments.

high. The rows to be run as near on a level as possible and parallel to the embankments. This method is employed where both the surface and subsoil are porous and absorb water rapidly. Fig. 1 shows how a hillside may be handled by this method. It aims at holding the water practically where it falls until it soaks into the soil.

A second system of terracing proceeds on the basis of letting the surplus water run, but, by means of rows and embankments make it run slowly. To accomplish this each embankment and each row is given a

of level embankments first described. Where both the embankments and rows are given a fall, as described in the second system, the perpendicular fall between embankments may be 8 feet.

The second system, with embankments and rows having a small fall to conduct surplus water slowly, is in use on the station grounds. The embankment is essentially a very much enlarged hillside ditch, the bottom of which being four to six feet wide and the bank from four to six feet wide and about eighteen inches high. This broad shallow ditch and broad em-

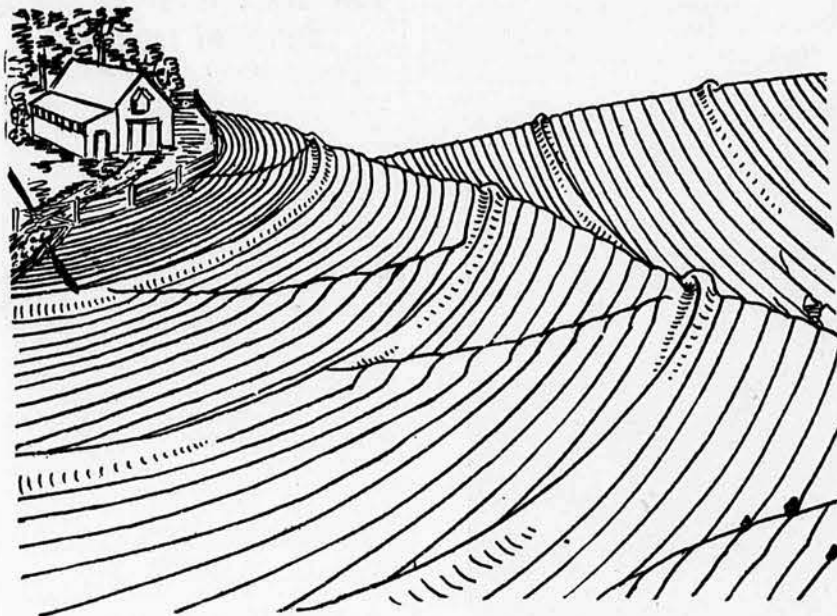


Fig. 2.—Showing Double System of Embankments. All Rows and Embankments Have Small Fall.

little fall—the embankments being required to do the bulk of the work. To make this system operate satisfactorily there should be two systems of embankments, the rows running parallel to the main embankments and crossing the shorter ones. (See Fig. 2.)

At other places on the farm the plan can be made to operate with

bankment can be crossed with rows and implements and so cultivated as to lose very little land and can be kept as free from weeds and grass as other parts of the field.

#### POINTS ON TERRACES.

Use a level to obtain a uniform fall. Any place along the line of the proposed terrace may be used as a starting point. Seven inches fall to

## LET AN I. H. C. GASOLINE ENGINE BE YOUR HIRED MAN

FREQUENTLY jobs around the farm which require the labor of two men can be done by one I. H. C. engine in half the time at one-fifth the cost.

I. H. C. gasoline engines are dependable, reliable and efficient—they never quit unexpectedly—they never shirk nor complain. Progressive farmers all over the land are finding in the ownership of an I. H. C. engine the solution of their labor troubles. Why not you?

An I. H. C. engine will operate the churn, grindstone, fanning mill, separator, bone cutter, wood saw, pump, sheller, grinder, fodder cutter, etc.

No extra help is required. You, or your boy, can run the engine and operate the machine at the same time.

Weather does not affect the I. H. C. engine. It is a faithful servant that is always absolutely under your control in the matter of power, expense and efficiency.

There is an engine adapted to every purpose—Note the complete line.

Vertical Engines made in 2, 3 and 25-Horse Power.

Horizontal Engines (Portable and Stationary) made in 4, 6, 8, 10, 12, 15 and 20-Horse Power.

Air Cooled Engines, 1 and 2-Horse Power.

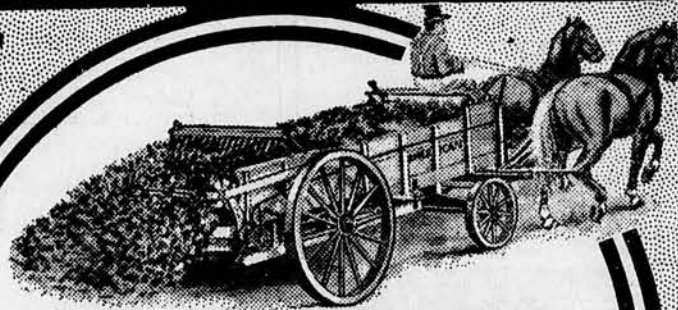
Traction Engines, 10, 12, 15 and 20-Horse Power.

Also sawing, spraying and pumping outfits.

Call on the international local agent for catalogs, and inspect these engines. Write for colored hanger and booklet on "Development of Power."

International Harvester Company of America, Chicago, U. S. A.  
(Incorporated)

Write a  
Postal  
For  
Free  
Book



## AMERICAN

### Manure Spreaders

Sold Direct to You—On a Month's Approval Test—Cash or Time Payments—Freight Allowed

The AMERICAN Manure Spreader has proved its merits to the American Farmer—as the STANDARD for all Manure Spreaders—and that is why it has so many imitators. The AMERICAN is the result of over 25 years of actual manufacturing experience and will pay for itself in less than a year, out of the time and money it saves you. One man and an American Spreader will do as much work as three men and two wagons spreading manure the old way—and do it better besides covering twice as much ground. Write for our proposition, prices and Catalog and our Free Book of valuable information on Fertilization.

AMERICAN HARROW COMPANY  
1018 Hastings St., Detroit, Mich.

Our branches enable us to make prompt shipments. Get an American Manure Spreader or a Detroit Tongueless Disc Harrow by ordering early.

Freight  
Allowed

Get  
Our  
Price  
Direct  
to You

It takes time to grind feed—time that you pay for in money.

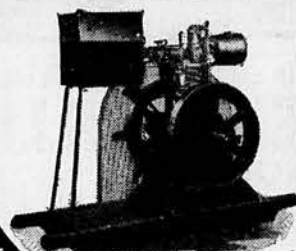
The feed must be ground, but you can save the time and money by using a gasoline engine.

The White Lily Gasoline Engine will not only grind your feed, but it will pump water, run your churn, your grindstone, your separator, or any of a dozen other machines at the same time. It is always ready for work. It will pay for itself and give you money in the bank in less than a year.

It is the convenient farm engine—light, but strong—fully guaranteed.

Write for Catalogue and Special Trial Offer To-day.

White Lily Mfg. Co., Rockingham Road, Davenport, Ia.



## THE WHITE LILY GASOLINE ENGINE

3 HORSE POWER  
FOUR CYCLE  
AIR COOLED  
WE PAY

PRICE

97<sup>50</sup>

READY TO RUN

THE FREIGHT



# COME TO COLORADO

## Big Profits In Crops

Don't wait. Here's a big opportunity to own land at a little price. Mighty few such good chances left. Get busy now. Write us for our brand new booklet, "The New Colorado," full of live facts, figures, map, etc., about that great fertile tract in Eastern Colorado, the 35,000 acre Bijou Ranch Lands. They need no irrigation. 65 miles from Denver, 42 miles from Colorado Springs. Rainfall sufficient to raise wheat 35 bushels to acre, spelt 32 bushels, potatoes 200 bushels, corn 35 bushels, oats 79 bushels, etc. Alfalfa four cuttings, 5 tons to acre. (See cut of stacks above.) Glorious climate; healthful and invigorating. 80 acres will earn you \$1000 in twelve months. Small cash payment needed—say \$2 to \$3 per acre—balance in five equal annual installments. Write for the book today. "Hurry to Colorado." Address, Dept. 29.



The Farmers Land and  
Loan Company,  
145 La Salle St., Chicago, Ill.

## WESTERN CANADA More Big Crops in 1908



60,000 settlers from the United States in 1908. New Districts opened for settlement. 220 acres of land to each settler—160 free homestead and 60 acres at only \$5 per acre.

"A vast, rich country and a contented, prosperous people." Extract from correspondence of a Kansas Editor, whose visit to Western Canada in August, 1908, was an inspiration.

Many have paid the entire cost of their farms and had a balance of from \$10 to \$20 per acre as a result of one crop. Spring and Winter Wheat, Oats, Barley, Flax and Peas are the principal crops, while the wild grasses bring to perfection the best cattle that have ever been sold on the Chicago market.

Splendid Climate. Schools and Churches in all localities. Railways touch most of the settled districts, and prices for produce are always good. Lands may also be purchased from Railway and Land Companies.

For pamphlets, maps and information regarding low Railway Rates, apply to Sup't of Immigration, Ottawa, Can., or to the authorized Canadian Government Agent.

J. S. CRAWFORD,  
125 West 9th St.,  
Kansas City, Mo.

**BOWSHER** (Sold with or without out elevator.)  
Crush ear corn (with or without shocks) and grind all kinds of small grain, and head kaffir. Use General Shape Grinders. Different from all others.

**LIGHTEST RUNNING**  
Handy to operate. 7 sizes—8 to 25 h. p. One size for wind-wheel use.

Also make Sweep Grinders both Geared and Plain.

**C. N. P. Bowsher Co.**  
SOUTH BEND, IND.

**FEED MILLS**

**A Mellow Soil**  
—and work of a man and four horses saved by harrowing right after the plow. Make harrowing one job with plowing and get the ideal seed bed by using The Rotary Harrow Plow Attachment. Preserves soil moisture. Makes start quick. Gives better stand and saves 100% in labor. Fits any gang or sulky. Send for circular 33.

The E. M. Kramer Co., Paxton, Ill.

Best thing in the harrow line ever invented.

THE LARGEST AND BEST LINE OF  
**WELL DRILLING MACHINERY** in America. We have been making it for over 20 years. Do not buy until you see our new Illustrated Catalogue No. 41. Send for it now. It is FREE.

**Austin Manufacturing Co., Chicago**

GOES LIKE SIXTY  
SELLS LIKE SIXTY  
\$60  
**GILSON**  
GASOLINE  
ENGINE  
For Pumping, Cream Separators, Churns, Wash Machines, etc. FREE TRIAL. Ask for catalog—all sizes.

**GILSON MFG. CO.** 621 Park St. Post Washington, Wis.

**SELF SETTING PLANE.**  
A child can set it. 222 in use at the Kansas Agricultural College at Manhattan. Sent on 30 days trial as per circular. A carpenter's pencil free if names of ten farmers are sent us. Gage Tool Co., Vineland, N. J.

every 100 feet in length is enough, but less fall may be given where the hillside is smooth and not very steep. Any cheap farm level can be used—the one used at the station has a telescope and cost \$10.

The starting point having been selected, place the level at some con-

venient place that will keep the rodman the longest time within the range of the telescope. Level the instrument and keep it level. Put rodman at starting point and put down a stake. Then have rodman raise or lower target until on a line with cross wires of telescope. Assuming, for de-



Fig. 3.—Showing Graded Embankments With Rows Crossing.

team. Getting an embankment or ditch properly located and with the right kind of curves is always a matter that must depend more or less on the judgment of the pilot or man who walks in front of the team. Small irregularities of the surface affect the location of the stakes, but as such ir-

regularities are obliterated in the construction of the embankment, the pilot or guide must ignore such as he indicates the exact line on which the embankment is to be made.

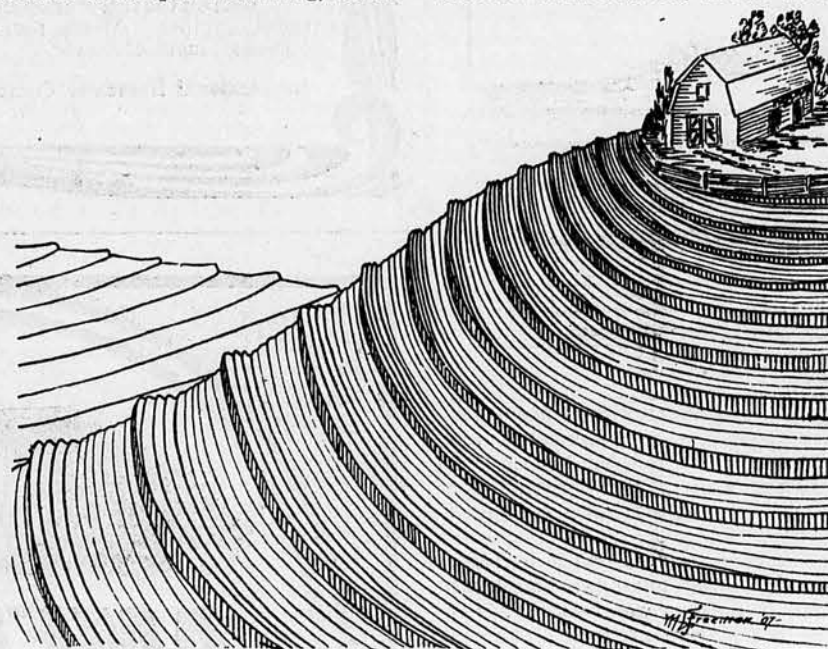


Fig. 4.—Showing Level Terraces Made With Hillside Plow.

scription, that the mouth of the terrace is selected as the starting point, let the rodman step 20 steps or about sixty feet in the direction the terrace is to run and lower the target four inches on the rod. Now let him move the rod up or down hill until the target is again on line with the

regularities are obliterated in the construction of the embankment, the pilot or guide must ignore such as he indicates the exact line on which the embankment is to be made.

### MAKING A TERRACE.

When the line of the embankment or ditch has been determined, plow

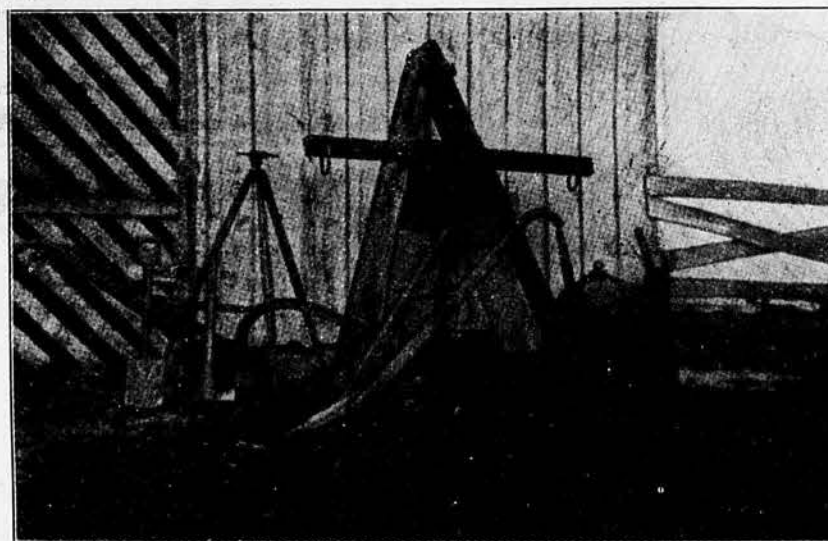


Fig. 5.—Showing Useful Implements in Filling Washes and in Making Terraces.

four to six furrows, preferably turning the soil down hill each time. Then, with the triangular drag shown in Fig. 5 move this plowed soil down hill for the embankment. Plow a second time and move plowed soil down hill as before. After this the embankment may be completed with the surface grader also shown in Fig. 5.

cross wires in the telescope. When this point is found, stick up a stake. Again lower the target four inches on the rod and step, in direction of terrace, about sixty feet and locate second point as was done with one previous, put down a stake and so continue to the end. When necessary to move the level, proceed as given for

### "THE OLD RELIABLE"

## DIETZ LANTERNS

THERE ARE NONE "JUST AS GOOD"  
WHEN YOU BUY A LANTERN INSIST ON A "DIETZ"  
MADE BY R. E. DIETZ COMPANY NEW YORK  
Largest Makers of Lanterns in the World  
ESTABLISHED 1840  
PIONEERS AND LEADERS

**48 IN. FENCE 29c**  
Best high carbon coiled steel wire. Easy to stretch over hills and hollows. FREE Catalog—fences, tools. Buy from factory at wholesale prices. Write today to Box 62.  
MASON FENCE CO., LEESBURG, VA.

**15 Cents a Rod**  
For a 28-Inch Hog Fence, 16 for 28-inch; 18 for 31-inch; 22 1-2 for 34-inch; 27 for a 47-inch Farm Fence. 60-inch Poultry Fence 37c. Lowest prices ever made. Sold on 30 days trial. Catalog free. Write for it today.  
KITSELMAN BROS.  
Box 61, MUNCIE, IND.

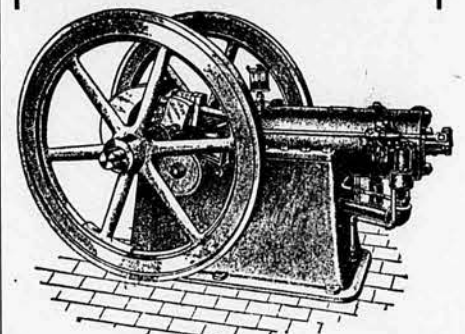
**BROWN FENCE**  
For Horses, Cattle, Sheep, Hogs, Chickens, Lawns—A fence for every purpose. Big heavy 9 Coiled Spring Wire thickly galvanized. 450 styles at 15 to 35c per rod—We pay freight. Free sample and catalog.  
The BROWN Fence & Wire Co., Dept. 39 Cleveland, Ohio. FREE

**U.S.W. FIELD and HOG FENCE**  
Highest quality—superior lock—easily erected—strong—low priced.  
Write us, stating what you can use and we will name you special delivered price.  
We make the largest line of poultry, lawn and field fencing in the country.  
**REVOLVING RANGER HUMANE**  
**REVOLVING BARB WIRE**  
**UNION FENCE CO.,** DeKalb, Illinois  
Kansas City, Missouri

**DITTO'S** Triple-Geared  
Ball-Bearing  
Double-Cut  
**FEED GRINDER**  
A few bushels of corn this year buys you the mill that does all kinds of grinding and lasts many years.  
**An Honest Mill Sold in an Honest Way**  
Try it. No money down. I trust you. Keep it if satisfied, if not, return it at my expense. I can't afford to have any dissatisfied customers. I want you to prove for yourself that it is the fastest grinding, easiest running and in every way the best mill made. Do this at my expense. I take all the risk. Write for my FREE catalog today.  
**G. M. DITTO, BOX 43, JOLIET, ILLINOIS**

**Dempster Gasoline Engines**  
**You Don't Want to Buy a Bunch of Trouble.**

When you get your Gasoline Engine you'll want one that will always "work" when there's work to do. One that won't stop until you stop it. A good reliable "Every Day the Same" engine. If you want to make sure of having just that kind you'll get a **DEMPSTER**.



Many Sizes—2 to 12 Horse Power—Vertical or Horizontal, Stationary or Portable.  
For gas, gasoline, kerosene or alcohol. Will run anything, any time. Send for catalog.  
**DEMPSTER MILL MFG. CO.**  
Factory—Beatrice, Neb.  
Branch Houses—  
Kansas City, Omaha, Sioux Falls.

**\$10.00 Sweep Feed** | **\$14.00 Galvanized**  
Grinder. | 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.,**  
Seventh St., Topeka, Kansas



In using this implement the soil is carried straight down hill and the team backed for reloading. The high places in the bottom of the ditch are removed with a drag scraper and the soil dumped on the low places of the bank. When finished, the bottom of the ditch and the top of the bank should both show a uniform grade.

#### COST OF TERRACES.

To ascertain the cost of making terraces, as described above, data for 6,646 feet were obtained. It required the time of two men and one horse for seventeen days. The labor cost \$28.32—7c per rod, or one hour's work for one man.

#### RECLAIMING WASHED AREAS.

Uncontrolled water is mainly responsible for gullies but a gully once started, the freezes and thaws of winter aid in making it larger. These same agencies can be made to assist materially in smoothing the surface. It is entirely feasible to fill the small gullies and washes and to "deaden" the larger ones. A "dead" gully does not increase in size, does not get wider or longer. To "deaden" a gully, slope the sides by digging off and plowing the upper edges and start something growing such as lespedeza, bermuda, and black locust. Filling the smaller gullies is a quick and simple operation and is essentially a team job. First, prepare for the team by digging off the upper edges with a mattock, then use good plows (to include a good ditch bank plow) and good teams.

The cost of filling gullies is not much—less than \$1 per acre for the largest and most desirable areas. All the gullies, large and small, were filled on a badly washed hillside for \$5.62 per acre.

#### Judge Humphrey's Alfalfa.

Judge J. Otis Humphrey, of the United States District Court at Springfield, Ill., and a large farmer in Sangamon County, spoke to the Tazewell County farmers' institute at Morton. Following are a few of the most significant sentences from his address:

Alfalfa is the lucerne of England and France. It was grown in Egypt and Persia. Roman soldiers fed their horses alfalfa. This plant was brought to South America by Cortez. In my judgment, alfalfa is the most marvelous food and forage plant, containing the most of the elements that sustain life, of any in existence.

Corn, wheat, and oats have no power to get nitrogen from the air, but alfalfa is the greatest nitrogen-fixing plant on earth; it secures from the air four times as much nitrogen as red clover. But it will also make you money while it is storing nitrogen for you. I believe that alfalfa, one year with another, is a better money-maker even than corn.

#### ALL ANIMALS LIKE IT.

All animals on the farm, from chickens up, will eat alfalfa; the pigs thrive on it; sows will go through winter on it; it is good for the mares; weanling colts fed alfalfa and shelled oats come out fat in the spring and shed off in March. It supplies more green feed for the hogs than anything else, and this is a great prevention of hog disease. I have tried it, and I think I know about it. I would not give a ton of alfalfa for two of timothy. You can not feed a horse anything in the world he likes so well as alfalfa. Put corn, shelled oats, a bran mash, and alfalfa in his manger, and you will see that he eats the alfalfa first. I don't know any animal that will not leave every other food to get alfalfa.

I tried for three years to grow alfalfa and it died out every time, but I don't say that a crop can't be grown simply because I failed in producing it. The scientist is among us, and he is the only man who actually knows, and he has finally taught us how to make alfalfa grow.

#### SPECIAL SOIL REQUIREMENTS.

Then I agreed to follow the exact advice of Dr. Cyril G. Hopkins, of the Illinois Agricultural Experiment Sta-

tion. I got soil from an old alfalfa field (soil from a sweet clover patch will do the same) to inoculate the ground with bacteria. The land was rich as cream and thoroughly tilled. I put on bone-meal, lime, and manure, and plowed it under.

After working the ground into the best order I ever saw a field, I had it worked just as much more. It was harrowed until there was not a clod in it. And I have not had a particle of trouble since in growing alfalfa.

You may sow alfalfa any time from May to August, and if you will do it right and follow the rule, you can grow alfalfa anywhere in the corn belt, and the crop is worth \$50 an acre. I sow one bushel to five acres; that is twelve pounds to the acre.

#### RESEEDS AN IMPERFECT STAND.

I have never had a complete stand at first. If I had ten per cent of alfalfa on the ground, I would go on and make a stand of it. I disk all the bare places in the field and wherever the stand does not satisfy me, setting disks almost straight. I never killed any alfalfa by disking it. I disk, re-sow, and harrow these bare places. I have done this the first week in June, the middle of July, the last week in August, and the first of October, and always with good results.

I now have five fields of alfalfa, and for the last six years I have cut about four tons per acre of this marvelous crop.—Arthur J. Bill, Reporter for Illinois Farmers' Institute.

#### Proper Method of Examining a Sick Animal.

DR. DAVID ROBERTS, WISCONSIN STATE VETERINARIAN.

First, take the temperature of the animal by placing a fever thermometer into the rectum, allowing it to remain there from three to five minutes. The normal temperature of a cow is 101° F. The normal temperature of a horse is 100°, sheep 101°.

Second, take the pulse of the animal, which can be found at the angle of the lower jaw bone. The normal beats of a cow's pulse is from forty to fifty per minute and that of a horse from thirty-three to forty per minute.

Third, count the respiration of the animal, or number of times it breathes by watching the sides of flanks, or by pressing the ear to the side. The normal respiration of the cow is from fifteen to twenty per minute and that of a horse is from twelve to fifteen per minute while resting. If the temperature, pulse, or respirations are found to be higher or faster than above described, you will know that the animal is ailing.

The fellow who can't make a dollar to save his soul probably couldn't save his soul if somebody else made the dollar for him.—Agricultural Advertising.

#### What the Disk Drill Has Done for the Farmer.

It may not be known to the users of grain drills in general, but nevertheless it is true, that the disk grain drill has practically revolutionized the method of sowing small grains. Thousands upon thousands of acres, where it would be absolutely impossible to put in grain by the employment of old style grain drills, have been transformed into golden-hued grain fields by the invention of the disk drill. Not only is this true, but the disk drill has lessened the labor for both man and beast. It has also enabled the farmer to reseed his worn out meadows and run down pastures. The farmer nowadays who has a Kentucky Disk Drill need not worry if his fields are trashy and the ground covered with pea vines, crab-grass and trash. He no longer worries if his fields are muddy, or his ground is hard and difficult to sow. He knows full well that this Kentucky Drill will go through it all, put the seed in the ground and cover it well. The Kentucky Drill is made in a wide range of styles and sizes—plain and fertilizer—by The American Seeding-Machine Co., Incorporated, Richmond, Ind., whose ironclad warranty protects every purchaser. You can get in the Kentucky line a drill that will do your work right, no matter what State or territory you live in. Send to the manufacturer for the Kentucky Drill catalogue, read about Kentucky drills and then call on your retail implement dealer and insist on seeing the Kentucky drill before buying any other. Should you want any special information, ask for it, and the manufacturers will be pleased to send it to you.

## DON'T BUY GASOLINE ENGINES

alcohol engine, superior to any one-cylinder engine; revolutionizing power. Its weight and bulk are half that of single cylinder engines, with greater durability. Costs Less to Buy—Less to Run. Quickly, easily started. Vibration practically overcome. Cheaply mounted on any wagon. It is a combination portable, stationary or traction engine. SEND FOR CATALOGUE. THE TEMPLE PUMP CO., Mrs. Meagher and 16th St., Chicago. THIS IS OUR FIFTY-FIFTH YEAR.

# JOHN DEERE

Light Draft Plows  
Standard For Two Generations

TRADE MARK



JOHN DEERE invented the steel plow. His plows have been the world's standard for seventy years.

It takes the largest steel-plow factory in the world to build enough of these high-grade plows to supply the demand.

#### A Plow for You

No matter where you may live, or what crops you grow, there is a John Deere plow made specially for your kind of work. 1000 different styles and shapes.

Buy a John Deere and get the highest quality put in a plow. By actual tests the lightest draft plows made. Finest finish, longest life.

#### Write for Free Booklet No. 15

Beautifully illustrated. Shows photos of plowing scenes from all countries. Lots of valuable information. Give No. of booklet and mention this paper. DEERE & COMPANY, Moline, Illinois

# SOW ALFALFA

30 to 50 acres a day—as fast as a man can walk—and cover the ground more evenly than you can do in any other way with

## THE THOMPSON

### WHEELBARROW ALFALFA SEEDER

Thompson's Seeder is the only one which insures uniform seed sowing in windy countries. Seeds are deposited so close the ground that wind cannot scatter them or interfere with work. It makes you sure of a better stand. A man can handle the Thompson Seeder easily. It is light, has a large and easy running wheel, and its positive force feed prevents clogging and choking. It is easily regulated to sow 4 to 20 quarts to the acre. Wheel controls seed. Walk fast, sow fast; walk slow, it sows slow. The seeder is strong and durable. With care, it should last a man's lifetime. Hundreds of Thompson's Seeders have been in use over 30 years and are doing good work yet.

#### Over 200,000 Seeders Now in Use

Used all over the U. S. to sow Clover, Timothy, Hungarian, Millet, Rape, Flax, etc., as well as Alfalfa. Don't fail to look into it. Western and Southwestern trade supplied and full particulars given by

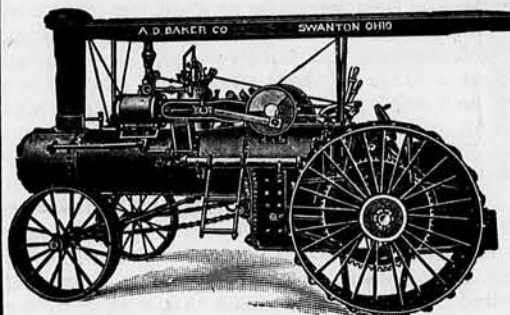
John Deere Plow Co.  
Gen'l Agents,  
KANSAS CITY  
DENVER  
ST. LOUIS  
DALLAS  
OKLAHOMA CITY



#### Write for Free Book on Alfalfa Raising

Tells all about Seeding, Growing, Harvesting, Feeding and the Big Crops and Profits. If you are in any way interested in Alfalfa, we want you to have a copy. Write us a postal and ask for it.

O. E. Thompson & Sons  
Manufacturers Ypsilanti, Mich.



## The Prairie Queen SEPARATOR

THE HARD WHEAT SPECIAL

Manufactured by the

Prairie Queen Mfg. Co.

NEWTON, KANS.

General Agents for the A. D. Baker Engine.

Write for Catalogue.

We have a few second-hand engines of different makes on hand for sale at the right price.

## WHEN BUYING A CORN SHELLER.

Insist on Clean Shelling, Thorough Separation, Large Capacity and Lasting Qualities. These are Distinctive Features of

## The NEW HERO

2-hole and 4-hole Custom and 2-hole Farmers' Positive Force-Feed Shellers

They have Chilled Working Parts and other points of strength and convenience. We make Horse Powers, Wood Saws, Huskers, Farm Trucks, Manure Spreaders, etc. We guarantee our Goodhue Wind Mills for five years.

APPLETON MFG. CO.,

Batavia, Ill., U. S. A.

Write to-day for Free Catalogue.

19 Fargo Street



## LIGHTNING PORTABLE WAGON SCALE

All above ground. Steel frame, only eight inches high. Octagon levers. Tool steel bearings. Compound beam. Most accurate and durable. Write for catalogue and price.

Kansas City, Hay Press Co.

129 Mill Street.

KANSAS CITY, MO



## Home Departments

CONDUCTED BY RUTH COWGILL.

### SELLING THE FARM.

Well, yes, we settled, ma and I, that we would sell the farm; we are getting on in years and toll has somehow lost its charm. So we said we thought it time to lay some of life's burden down. And the married children thought we ought to buy a home in town.

Well, a purchaser come right along, for I'll own, I'm free to say, That a better or a prettier place you might search for many a day, With its fertile fields and wooded hills and meadows lush and green, And buildings snug and neat and trim as any ever seen.

But it's strange how old familiar things will twine around the heart. And we never dream how close they cling till we sense that we must part. And when it comes to business, sir, that's what I meant to tell, We found a precious lot of things that somehow wouldn't sell.

There's the willow that ma planted some forty years ago; It has grown into a mighty tree with branches drooping low. And the children played beneath its shade when the days were long and warm— Now I wouldn't sell that willow tree for the price of this old farm.

And it's curious how we grow to love the things we plant and tend— Every tree in that old orchard seems just like a human friend. And I couldn't help but meditate how we'd miss them, ma and I, That tree of Golden Pippins and the hardy Northern Spy.

And then the precious memories that cluster 'round the place— They seem to fill these homely rooms with beauty and with grace. We could seem to see the children flitting blithely here and there, And to hear their merry voices calling, calling everywhere.

Then one day I found ma sitting by the rose bush at the door With the wistful look upon her face I'd noticed there before, And I just dropped down beside her and she looked up at me, And something blurred our dim old eyes till somehow we couldn't see.

And then we settled, then and there, that we'd stay on this old place Till the Lord sees fit to call us to stand before His face. And we're mighty glad to tell you, sir, we have no desire to roam. For we think we know just what it means to sell the old farm home.

—Maxwell's Talisman.

A little child has been reading to me the story of the magic cloak. This cloak had the peculiar quality of being able to grant to every person who wore it the first wish spoken from under its folds. People ignorant of this marvellous power, made all kinds of wishes—just such wishes as mortals are apt to speak thoughtlessly. One wished that he had half a dozen servants to wait upon him, another that his dog could speak, a third that he could reach an apple hanging high upon a tree. All were granted their wishes, to their infinite surprise. A little girl became possessor of it at last. She was a sad little child, who, indeed, had much to make her sorrowful. She said, "Oh, I wish I could be happy again always," and at once her heart grew light, her tears dried on her cheeks, and she began to laugh and sing and dance along the road as a little child will. She suddenly became conscious of the brightness of the sunshine, the sweetness of the air, the kindness of the whole living world. She, I think, made the wisest wish. For if one has happiness one has everything. What matter little annoyances, hardships, sorrow, even, if at the bottom of one's heart happiness is singing?

There are a few people who possess what is called a sunny disposition. They are a blessing to the world, and very fortunate. But most of us have another kind of disposition, one that is prone to darkness rather than light, to "the blues" rather than to sunniness. We have troubles enough, heavens knows, and what we haven't we can easily imagine about to descend upon us. Circumstances are never quite to our liking. People are so trying. Nobody does just right. Our dearest ones seem determined to do the things that will inevitably

cause them trouble. There is so much evil in the world. There is heat and there is cold. There are floods and drouth. There are trusts, and monopoly and pride and cruelty. We are poor, and our health is frail, and we get tired, and other people get cross, and—oh, altogether, there are troubles enough!

I have been wishing for a "magic cloak," one that I could pass around. But, then, all my friends would not wish wisely. Few would wish for happiness. For if they wanted to be happy, they could be happy without the magic cloak. Happiness is a matter of will. Defy the blues! Defy circumstances! Man is stronger than circumstances, ever. "God's in His heaven, all's right with the world." We don't have to see that the world runs smoothly. We don't have to control the weather, nor the trusts, nor even the selfish people. We do not even have to shape our own circumstances. They, too, are in higher hands than our own. All we have to do is to keep happy, keep serene, keep good. We have only to rise above circumstances. We have only to order our own lives unselfishly, nobly, and the Power that is above us will see to it that something beautiful comes of it.

And so I say to you, one and all, be happy.

### Pie Melons.

EDITOR HOME DEPARTMENT:—Two years ago I got a few pie melon seeds and planted four hills. The yield was so satisfactory, and the melons made such delicious pies and preserves, that I decided to plant more of them another year. This year I planted four rows across an acre. From these four rows I gathered five two-horse loads of as fine melons as I ever saw. The melons resemble watermelons exactly in outward appearance, but are like a citron inside. They are long shaped, and grow to a very large size. When properly taken care of they will keep firm and sound for two years or more.

Besides being so good for table use, they make the best of feed for hogs, cows, and horses; and, in fact, all kinds of live stock and poultry are very fond of them. Pie melons will grow anywhere that watermelons will grow, and should be planted and cultivated in exactly the same way, but the yield is far greater than watermelons. When I find a good thing I try to pass it along. I have a fine lot of seed which I have saved, and if any one who reads this wishes to try the melons, I will send enough of the seed for them to get a start. If you give the pie melons a fair trial, you will be surprised and pleased with the results. If you write for seed kindly enclose stamp for postage. Newton, Texas. B. F. PEREGO.

### Uneducated Eating.

The time is coming when by proper selection and preparation of the food and the proper eating of it, stomach troubles which are so prevalent will be greatly diminished and the use of drugs for such things discontinued. Some time ago an article, "The Crime of Uneducated Eating," by Charles H. Cochran, appeared in the Metropolitan Magazine and is of interest along this line. He says in part:

"Gormandizing is a National American habit—one might almost say a National sin, bringing a foretaste of purgatory as the punishment following failure to eat rationally. Ignorant eating, with reckless haste in swallowing the food, is the origin of untold ills that affect humanity. We are a Nation of dyspeptics, because we are always in a rush; digestive systems rebel against hurry and worry, and exact a penalty from violators of na-

# ENTERPRISE

## Meat and Food Chopper

"Enterprise" Meat and Food Choppers cut the meat with a revolving steel knife against a perforated steel cutting plate without tearing or crushing. Easily cleaned. Practically unbreakable, and will last for years.

The No. 5 "Enterprise" Chopper costs only \$1.75. No. 10, shown in cut, \$2.50. They are standard family sizes, and not only save half the work at butchering time, but are useful in the kitchen every day in the year.

Made in 45 sizes and styles for Hand, Steam and Electric Power. We also make cheaper Food Choppers, but recommend the above for the reasons given. Illustrated catalog free. Sold at Hardware and General Stores, etc.



No. 10  
Price  
\$2.50  
Large  
Family  
Size

# ENTERPRISE

## Sausage Stuffer and Lard Press

Lessens the labor at butchering time. Two machines in one. Well made and does its work quickly and surely. Cylinder is bored true and plate fits accurately. Pressure cannot cause meat to rise above the plate. The Patented Corrugated spout prevents air from entering casing, ensuring perfect filling and preservation of sausage.

Machine can be changed into a Lard Press in a minute's time. Can also be used as a Fruit Press.

Your dealer should be able to supply you with the "Enterprise" Sausage Stuffer and Lard Press. If not, order direct of makers.

No. 25—4 quart  
Japanned  
Price \$5.50  
4 sizes  
Tinned and  
Japanned



# ENTERPRISE

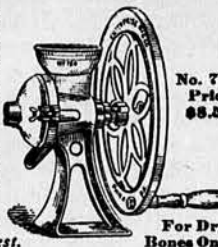
## Bone, Shell and Corn Mill

The "Enterprise" Bone, Shell and Corn Mill is a good, general mill for farmers, poultrymen, etc., and for compactness, strength and durability is unexcelled. Handy for grinding poultry food and making bone meal fertilizer. Mill shown in cut \$8.50, weight 60 lbs., grinds 1 1/4 bu. corn per hour. Look for the name "Enterprise" on the machine you buy. Grind up dry bones, oyster and other shells, corn, etc., for your hens and watch results.

Other famous "Enterprise" household specialties are: Coffee Mills; Raisin Seeders; Fruit, Wine and Jelly Presses; Cherry Stoners; Cold Handle Saws, Etc., Etc.

Sold at Hardware and General Stores, etc.

Write for "The Enterprising Housekeeper," a book of 200 choice recipes and kitchen helps. Free on request.



No. 750  
Price  
\$8.50

For Dry Bones Only

THE ENTERPRISE MFG. CO. of PA., 226 Dauphin St., Philadelphia, Pa.

### LATEST STYLES

BY MAY MANTON



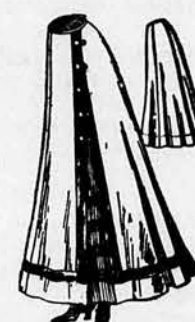
6172 Fancy Work Aprons, One Size.



6174 Fancy Blouse, 32 to 40 bust.



6171 Boy's Blouse, 4 to 12 Years.



6175 Misses' Sheath Skirt, 14 and 16 Years.



6173 Blouse or Shirt Waist, 32 to 42 bust.



6176 Infant's Wrapper, One Size.

### DIRECTIONS FOR ORDERING

SEND TEN CENTS (STAMPS OR COIN) TO THE FASHION DEPARTMENT OF THIS PAPER, STATING NUMBER AND SIZE OF PATTERN DESIRED AND SAME WILL BE MAILED AT ONCE.

PATTERNS 10 CENTS EACH.

ture's laws. No man can be godlike if he has a poor stomach; no woman can make a real home if she promotes dyspepsia by the table she sets.

"This common, everyday matter of having due regard for the stomach comes nearer to the happiness of the people than do thousands of things over which the newspapers and legislatures are continually agitating. The crime of carelessness of the American railroads, which maim over eighty thousand people every year, probably is productive of less misery than are the crimes of omission permitted regularly in our public schools through failure to teach with the three R's a fourth—rational eating. The average American boy is called to breakfast after the old folks are through, and proceeds to bolt his food, as he sees his elders do, that he may have time for a game of marbles or some other amusement before school. He carries a little lunch, which he gobbles at noon recess, because he wants more time for play. He may be kept in if he spells education with two d's, but he can violate all the plain rules of sensible eating with never a word of counsel or criticism from his parents or teacher. What wonder if he grows up thin to skinniness, and with a weakened stomach, sure to succumb before he is forty!

"Such is the true stomach history of ten out of eleven American boys. The proverbial ounce of prevention might give dividends of good health and comfortable stomachs, creating a millennium of happiness right here in the center of Yankee activity and bustle.

### RULES FOR RIGHT EATING.

"The rules for eating, which ought to be a part of every child's A B C's, are few and simple, though neglected by half of the adult population.

"Expressed in don'ts, they are:

"Don't eat in a hurry; don't eat when tired; don't forget to chew well; don't drink much with meals—do it before; don't eat all one kind of food; don't take much cold food at one time.

"Most of us live as if unconscious that there are such things as laws of health whose violation brings pain and sickness. The stomach will bear as much abuse and neglect as any organ of the body, perhaps more than most of them; but when it rebels there is usually one more cross dyspeptic inflicted on society and des-

igned to spend the rest of his days alternating between a diet of soft eggs and toast, and sundry excursions into mince-pies, pork, and cabbage and



other things that he likes, but which make him miserable.

"The man with a bad digestion makes a bad citizen; no one knows how much criminality finds its basis in a mind warped through improper nourishment. The healthy man with a good stomach makes a good citizen. He feels right, talks right, and acts right. If we all had good stomachs countless evils would disappear from our lives.

"We are more sensitive to adulteration than to abuse of food. All America was aroused over the packing-house disclosures made in 1905, and when the Government Committee on Investigation reported that the charges were true, Congress gave us a pure-food bill. Much the same bill had been knocking at the doors of the National Legislature for twenty years before, without being heard. The popular voice was at last raised and relief followed.

#### WHAT THE PUBLIC SUFFERS.

"There exists all around us a condition far worse than that produced by bad practices in meat packing and canning. Far more people suffer from unwise eating than ever suffered from 'lumpy jaw' cattle or 'embalmed' beef. When the Nation was young our forefathers were mostly active tillers of the soil, and the industrious lives they led tended to keep the digestive system in good order; but as the country has grown, and men are crowded into factories and offices, with all that goes to make a sedentary existence, their livers grow torpid, their kidneys inactive, their stomachs fermentative, and a long series of ailments and ills are developed. The men or women who are out of doors and who take much exercise can do a hundred things that results disastrously for those who are to remain indoors, and who take little active exercise.

"Such being the conditions, we have three vital questions before us: What foods are best to eat? How should they be cooked? How should they be eaten?

"These are matters which all ought to know, and which should have been taught us in our early school days, yet most people are vastly ignorant about them, as there is no systematic instruction on the subject. There is knowledge enough on the part of a few, including the medical profession and those who have learned by hard experience, and there is also much stored knowledge on the subject in books, but there is no systematic method of imparting this knowledge, which is especially needed by the young when they are forming habits for life."

#### Some Uses of the Lemon.

Lemon juice and salt will remove iron rust.

A hot lemonade taken before going to bed will cure a cold on the lungs.

Gargle a bad sore throat with a strong solution of lemon juice and water.

A cloth saturated in lemon juice and bound about a cut or wound will stop its bleeding.

Lemon juice mixed very thick with sugar will relieve that tickling cough that is so annoying.

The juice of half a lemon in a cup of black coffee without any sugar will cure sick headache.

A strong, unsweetened lemonade taken before breakfast will prevent and cure a bilious attack.

Lemon juice added to milk until it curds and these curds then bound upon parts swollen from rheumatism will bring relief.

A cut lemon rubbed over the bread and meat board, and then rinsed thoroughly in cold water, will bring their surfaces unusually white.

There is no place on earth where a beautiful home can be enjoyed so much as on the farm, and every cent spent adding to its attractiveness is returned a hundredfold in the love for that home by the family who live in it.—Miss C. A. Nichols, Okla. County, Ill., in American Cultivator.

Extreme gravity is more bekuming to a phool than it is to a wize man.—Josh Billings' Philosophy.

## The Young Folks

### BROKEN THREADS.

A tangled skein of multi-colored threads,  
Drawn random forth in many a broken line;  
Fragments disordered—fit for no design,  
Unknitted ends, and rough, dissevered shreds:

So seemeth me are all our Friendships here,  
Kind looks—touched hands—a word from heart to heart—  
The thread is broken, and we drift apart  
To meet no more, who might have grown so dear.

Patience, my Heart! in some less troubled clime  
We shall take up the broken ends again  
And in the Country where is no more Time,  
Where part no more the Friends who once do meet,  
Weave into beauty that entangled skein,  
And make the Web of Friendship all complete.

—The Examiner.

### SINGIN' 'LONG DE ROAD.

He was des de happiest creetur dat de roun' world ever knowed—  
Singin' 'long de road—singin' 'long de road!  
Dreamin' in de night  
Of a mawnin' sweet en bright,  
Flingin' wide de shutters fer ter let in all de light!

Happy in de reapin' of de harvest what he sowed—  
Singin' 'long de road—singin' 'long de road!  
'Crost fields whar birds wuz wingin'—  
Dey heerd his voice a-ringin',  
En de tollers stopped ter listen en ter bless him fer his singin'.

'Peared lak it fetched de sunshine, en lightened up de load—  
Dat singin' 'long de road—dat singin' 'long de road!  
En 'it's work—'it's work ter do  
Whilst de light shine down on you!"

('Peared lak de birds dey heered him en day fall ter singin', too!)  
Oh, des de happiest creetur dat de roun' world ever knowed—  
Singin' 'long de road—singin' 'long de road!

En de darkest day wuz bright,  
En Trouble say, "Good night!"  
Fer he des th'owed wide de shutters en let in all de light!

—Frank L. Stanton, in Youth's Companion.

### Sketches from Life in Darktown.

RUTH COWGILL.

I.

#### LENA'S MATRIMONIAL VENTURE.

She had a queer squat figure and an impish black face. Her dusky eyes sparkled and her big teeth gleamed in an ever-ready grin. That was Lena.

"Mrs. Bonnuh," she drawled, one morning, "I se agwine to git married."

"How soon, Lena?" asked her mistress in dismay. (Lena had been there two weeks.)

"Nex' week—but I got to quit wuhk-in' to-night. Got to git my cloes ready." Her black eyes rolling in their shining whites, looked solemn and big as saucers.

She proved impervious to reproach, persuasion, or bribery, so her mistress bowed to the inevitable and let her go.

A week later she reappeared. "Thought I'd come back and wuhk fo' yo' all to-day," she said, adding briefly, "Need the money."

Her mistress was glad enough to have her even on her own terms, so she worked away all day long faithfully. She sang a popular song the while in her droll and tuneless voice, sang it with mournful cadence, long-drawn-out "Fa' well, my Bluebell, Fa' well to yo'."

It got on Mrs. Bonner's nerves after a while. She began to feel as if she were at a funeral. What was the matter with the girl?

"Lena, isn't this your wedding day?" she asked, at length.

"Ya'as'm—leastwise I hope so," drawled the girl. "But yo' cain't neveh tell. Sometimes the felluh don't come. Sometimes he gits skeared out. Yes'm. Heap o' times de gulls is theh at de chu'ch awaitin', all dressed in theh weddin' cloes, and de felluh don't nebbuh come neah. He jus' leaves 'em—skips out. An' all de folks is waitin' roun', an'—an'—he don't nebbuh come."

She was in such evident anxiety that her mistress was concerned. She



## Dress Economy

Simpson-Eddystone calico prints are fine long-wearing cotton goods. The patterns are stylish and beautiful, and the colors are absolutely fast. Some designs in a new silk finish. They solve the problem of stylish dressing at little cost.

Standard for over 65 years.

Ask your dealer for Simpson-Eddystone Prints. If he hasn't them write us his name. We'll help him supply you. Don't accept substitutes and imitations.

The Eddystone Mfg. Co., Philadelphia  
Established by Wm. Simpson, Sr.

Three generations of  
Simpsons have made

**SIMPSON**  
REG. U.S. PAT. OFF.  
**EDDYSTONE**  
**PRINTS**  
Founded 1842

wondered how deeply the girl could feel.

"Do you love him, Lena?" she asked, curiously.

"Don't guess I know what lub is." There was a wicked, baffling sparkle in her eyes once more.

"Why do you marry, then?" persisted Mrs. Bonner.

"Oh—'calse ma mother wants me to—I guess. But I'm powe'ful 'traid he won't come, though."

He evidently did come, however, for two weeks later she came to bid Mrs. Bonner farewell. She came in all the dash and splendor of her wedding finery. Through the thin white of her dress her black arms and neck gleamed darkly, and her hat, much-trimmed, was tipped fashionably over her ear to disclose an enormous pompadour. And yet, somehow, she was a forlorn little figure.

"I se agwine to visit his folks in Missouri," she informed the white lady.

"That is nice," said Mrs. Bonner, politely. "I hope you are happy, Lena."

"Oh—yes'm, I guess I be," she answered. "Anyway, I am agwine to git this much out of it. He's got awful nice folks in Missouri. They ah well fixed," she added proudly.

It was a long time before Mrs. Bonner saw her again. But she did come at length at a time most propitious for her. For Mrs. Bonner was weary of a fruitless quest for a maid.

"Does yo' all want a guhl?" she asked. "'Calse," forestalling any questions which might be embarrassing, "I ain't married no mo'."

"Why, where is your husband?"

"He ain't no 'count 'tall. He just laid aroun', wouldn't wuhk 'tall, so muh mothuh, she jis' drove him out. She say she got 'nough people to wuhk for,' 'thout keepin' a lazy ol' no-'count like him. . . . I got a baby, though," she added at length. Her old-time gaiety came back suddenly.

There was the old sparkle in her queer dusky eyes. The ever-ready laugh bubbled in her droll, high-pitched voice. "Muh mothuh takes care of him. She calls him huh baby."

She turned suddenly and put her head out of the door.

"Mothuh," she cried, "Mrs. Bonnuh wants to see the baby."

The mother, evidently stationed outside waiting for this summons, appeared, a fat black baby in her arms. Mother, grandmother, and baby all looked so much alike that it was laughable.

"The baby looks like you," remarked her mistress, smiling uncertainly at the child and touching its little black hand gingerly.

"Think so?" said Lena, cheerfully.

"I think he looks like him. He's bad," she went on, as if this were a distinction to be proud of. "He's awful bad. Yo' all ought to see him when he's mad—looks jes' like him."

The old grandmother stood swaying back and forth, her great eyes rolling proudly.

"Ya'as'm, looks lak him," she put in, and then she took up the thread of the tale. "I drove him away," she said, "I wasn't agwine to wuhk and cook fo' him. He could jes' git out and wuhk for hisself."

"He got a divohee," she went on, as if this were a distinction, too. "Groun's of desehtion an' cruelty. We

## WHAT WILL YOU DO THIS WINTER?

Better come to Highland Park College and take a **Business Course**, a course in **Shorthand and Typewriting**, a course in **Telegraphy**, or some **Engineering Course**. We have a **Machinists' Course** and a course in **Traction and Gas and Oil Engineering**, a three months course in **Drafting** and a **Short Course in Electrical Engineering**. These are some Special Short Courses we have that will fit you for a good position at a good salary. Address **O. H. LONGWELL, Pres., Highland Park College, Des Moines, Ia.**

**LAWRENCE**  
**Business College**  
Lawrence, Kansas.

30th year; positions secured; expenses low. Big catalogue free. Address, 1400 Mass St.

**FREE**  
**Write Now**  
**Stuffed Beautiful Birds**

Learn by mail to stuff and mount all kinds of birds, animals, fish and game heads; make rugs, tan skins. Mount your own specimens and make money preserving for others. Intensely fascinating; highly profitable. Men, women and boys learn easily and quickly. Success guaranteed or no tuition. Write today for our wonderful FREE book "How to Learn to Mount Birds and Animals."

**N. W. School of Taxidermy, 111 M, Omaha, Neb.**

## Learn Music By Mail

By our wonderful Simplex System—one of the greatest inventions of the age—anyone of ordinary education can learn by mail to play piano or organ.

**IN 20 EASY LESSONS**  
You need not know the first principles of music. By this wonderful system you can in 20 lessons become a capable musician. The work is easy and fascinating—you will be wonderfully surprised at the progress you will make. In a few weeks, by this method, you can play popular, sacred or classical music. Considered better than a 3-year conservatory course as a time and money-saver—teaches the practical and usable in music and does away with all unnecessary theory. You should have this course of lessons. The cost is a mere trifle compared to the real worth. Send for our Free Book today. State whether you have piano or organ.

**SIMPLEX SCHOOL OF MUSIC**  
Conservatory 168  
Kansas City, Missouri

**ARMY AUCTION BARGAINS**

Tents - \$1.00 up	Old Pistols - .50 up
Shoes - 1.25	Officers' Swords, new 1.75
ARMY SADDLES 3.00	Cavalry Sabres 1.50
Bridles - 1.00	Uniforms - 1.25
Leggins, pr. 15	7 Shot Carbine 3.50

1907 MILITARY CATALOGUE, 260 large pages, containing thousands of beautiful illustrations—with 1908 supplement, wholesale and retail prices. Mailed for 15 cents (stamp). 15 ACRES GOVT. AUCTION GOODS.

**FRANCIS BANNERMAN, 501 Broadway, New York**

**PLANOS** Slightly used Steinways; 1909 Model Lyon & Healy; and other remarkable Bargains. Lyon & Healy, 80 Adams St., Chicago.

Our Great Re-Building Sale is Now in Progress

WING PLANOS BEST TONED AND MOST SUCCESSFUL. ESTABLISHED 40 years. Recent improvements give greatest resonance. Sold direct. No agents. Sent on trial—freight paid first, last and all the time by us—to show our faith in our work. If you want a good piano, you save \$75-\$200. Very easy terms. Slightly used "high-grades." 1 Steinway, 3 Chickering, etc., \$75 up—taken in exchange for improved Wing pianos—thoroughly refinished. Send for bargain list. You should have anyway "Book of Complete Information About Pianos," 152 pages. N. Y. World says: "A book of educational interest everyone should have." Free for the asking from the old house of Wing & Son, 361-395 W. 13th St., New York.

Res. Tel. 775. Office Tel. 192.

**L. M. PENWELL,**  
Funeral Director and Licensed Embalmer.

511 Quincy St. Topeka, Kans

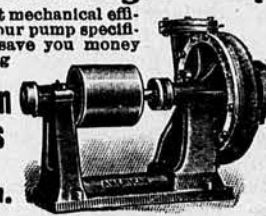
**25% More Water** than is produced by any other pump using the same power or less power by the

**American Centrifugal Pump**

Guaranteed highest mechanical efficiency. Give us your pump specifications. We can save you money and labor. Catalog for the asking.

**The American Well Works**  
General Offices and Works  
Aurora, - Ill.  
U. S. A.

First Nat. Bank Bldg., Chicago.  
E. H. Heaton, 118 W. 5th St., Joplin, Mo.





don't keer. We'd ruther. If he gits it he has to pay all the costs—see?"

"Lena, didn't you care for him?" asked Mrs. Bonner, curiously, as she had asked once before; and with the same inscrutable smile, Lena answered again:

"I don't guess I know what lub is." Maybe she did not, but—maybe she did. At any rate, Mrs. Bonner never knew.

#### California's Great Nature Lover.

In the year 1900, when the steamer of the Harriman Alaska Expedition arrived in sight of the Stikine Mountains, she had on board two of the noted naturalists in our country, John Burroughs and John Muir. Mr. Burroughs was on the bridge of the boat when the mountains came in sight, and he called out to John Muir, who was on deck:

"Hello, there, Muir, you should have been up here twenty years ago enjoying this, instead of sleeping down there in your bunk in the cabin!"

And John Muir cried out in reply:

"And you, John Burroughs, should have been up here twenty years ago instead of sleeping down there in your cabin on the Hudson!"

Both men, Nature lovers by birth, enjoyed the scene spread out before them as only the natural-born Nature lover can enjoy "God's Old Testament," as Theodore Parker once called Nature.

John Muir has been less read and known than John Burroughs, because Muir has written far fewer books than John Burroughs. He has cared more to keep on discovering new things in the world of Nature than he has for writing of the things he has already discovered. He abhors being shut up within four walls, and prefers to be always on the tramp. It is doubtful if any man of his years—he will be seventy his next birthday—has walked more miles than has John Muir, nor has any man spent more time alone in the great forests and in the mountain fastnesses. He has gone many months without seeing a human being, and he has made many valuable discoveries. Long before the discovery of gold made Alaska familiar to Americans, John Muir had explored its glaciers, and long before the rest of the world knew anything about the wonderful Sierra Nevada, except through the mining operations of the Argonauts and Bret Harte's stories, John Muir was living up among their peaks and studying their geology and their plant life. There has never been a greater living exponent of the simple life than John Muir. A really remarkable thing about his tramping all over the globe in all kinds of weather, both summer and winter, is the fact that he has always disdained pack horse, tent, blanket, and firearms. For many of the thirty or more years that he has spent in studying the Sierras as no other man ever studied them, his camp equipment has consisted of a tin cup, a packet of tea, a bag of bread, and a hand ax. Thus free from cumbersome baggage, he has gone anywhere almost that any living thing could go, excepting the birds. One of the most important of his discoveries was the Muir glacier in Alaska, one of the greatest and most wonderful glaciers in the world. He was one of the party that went with the expedition in search of DeLong, and he has wandered away by himself to study the glaciers and the mountain formations of Sweden and Norway. His years of study and wandering in the Sierras have been of great value to the world of science. Among other things he has been able to prove conclusively that the Yosemite were formed by glacial erosion, and not by a prehistoric cataclysm. He discovered the principal glaciers, and he was the first to give to science its first really accurate knowledge of the wonderful Big Trees of California. His researches in Arizona resulted in the discovery of wonderful petrified forests, and he may be said to be the originator of our system of scenic parks and national forests. If there is anything that arouses the ire

of this true lover of Nature it is the sound of the woodman's ax. His constant cry is:

"Woodman, spare that tree."

Nothing grieves him more than to see the great monarchs of the forest felled to the ground. It is a species of sacrifice or vandalism against which his voice and his pen have always made protest.

The work of John Muir has given extensive additions to the knowledge of botany and geology, and he has given to the world some Nature literature that is never likely to arouse the spirited and unfortunate controversy that has taken place between President Roosevelt and Mr. John Luther Long. Mr. Muir's knowledge of Nature is so accurate and exhaustive that one must have a good deal of temerity to question it.

This great student of the world of Nature has lived his own life in his own way heedless of the customs, the criticisms, or the standards of others. He has been as indifferent to worldly honor and glory as was Thoreau, and his life has been as simple as was that of the Concord "Nature crank," as he was sometimes called. John Muir has kept even more remote from the haunts of men than did Thoreau, and now that he is threescore and ten years of age he is still a lover of the solitudes, and it is with regret that he is wandering less and writing more. He has written a good many magazine articles and has published a volume on "The Mountains of California," and another one, entitled "Our National Parks." He has traveled in Russia, India, Manchuria, Siberia, Australia, and New Zealand, always avoiding the crowd and going alone when it was possible to do so. Harvard University has conferred an "A. M." on him, and the University of Wisconsin has given him the degree of LL.D. His early boyhood and manhood were spent on a farm in Wisconsin, but he was born in Dunbar, Scotland, on the twenty-first of April, in the year 1838. No doubt the advice of John Muir to the world would be similar to that given by Young when he wrote:

"Read Nature; Nature is a friend to truth;  
Nature is Christian, preaches to mankind,  
And bids dead matter aid us in our creed."

—Morris Wade, in Ex.

#### Curious Brushes.

Willie, flushed and happy, had just come in from the barn where he had been playing hide-and-seek.

"I guess my little boy needs to find a brush," said mother, looking up from her work. For there were clinging to his pretty sailor suit bits of dry grass and seeds from the mows, and some were playing peekaboo in the little fellow's hair.

"O, mother, can't I wait? I'm just too tired now."

"If flies had been playing hide-and-seek, they would not allow a speck of dust to stay on their heads; they'd brush it off," casually remarked Aunt Nan.

"Flies," exclaimed Willie, incredulously. "Where'd they get their brushes, I'd like to know?"

"Oh, they have them, and use them," laughed Aunt Nan.

"Hair brushes?" questioned Willie, and his face took on a perplexed look.

"Yes, and they always keep themselves very clean. Have you never seen a fly rub his delicate front legs over his head?"

"Lots and lots of times," replied Willie, quickly.

"Well," resumed Aunt Nan, "there are a great many hairs on the underside of a fly's feet and legs, and these form tiny hair-brushes. When any dust gets on a fly's head, he brushes it off at once, and then he rubs his legs together, as you have probably noticed. This so that no dust may cling to the little brushes."

"Hurrah, Mr. Fly!" exclaimed Willie. "I guess you needn't think you're the only one who can use a brush, even if the other fellow doesn't carry his brushes around with him on his feet!"

Away he ran; and, when he came

## Aids Nature

The great success of Dr. Pierce's Golden Medical Discovery in curing weak stomachs, wasted bodies, weak lungs, and obstinate and lingering coughs, is based on the recognition of the fundamental truth that "Golden Medical Discovery" supplies Nature with body-building, tissue-repairing, muscle-making materials, in condensed and concentrated form. With this help Nature supplies the necessary strength to the stomach to digest food, build up the body and thereby throw off lingering obstinate coughs. The "Discovery" re-establishes the digestive and nutritive organs in sound health, purifies and enriches the blood, and nourishes the nerves—in short establishes sound vigorous health.

*If your dealer offers something "just as good," it is probably better FOR HIM...it pays better. But you are thinking of the cure not the profit, so there's nothing "just as good" for you. Say so.*

Dr. Pierce's Common Sense Medical Adviser, in Plain English; or, Medicine Simplified, 1008 pages, over 700 illustrations, newly revised up-to-date Edition, paper-bound, sent for 21 one-cent stamps, to cover cost of mailing only. Cloth-bound, 31 stamps. Address Dr. R. V. Pierce, Buffalo, N. Y.



## COLORADO IRRIGATED LAND

### WHERE FARMERS EARN

### \$35 TO \$300 PER ACRE PROFIT

every year. Where Farmers get rich raising alfalfa, grain, sugar beets, cantaloupes and fruit. Where you can earn as much in one year as you now do in three years on a larger farm, and live longer and happier in this, the finest climate on earth.

#### WE ARE NOW OFFERING 10,000 ACRES OF SUCH LAND

to farmers, fruit growers and investors in tracts to suit, on easy terms. This land is in the famous Rocky Ford district, the heart of the cantaloupe and sugar beet industry. Sugar factories surround this tract. No more productive soil in the world. Sugar beets, cantaloupes, fruits, berries, grain and alfalfa bring enormous yields. Main line of the Santa Fe traverses this tract. It adjoins the thriving city of La Junta (pop. 6,500). It is not like settling in a new country, but when you buy this land you can feel that you are going to live in a community that is keeping step with progress. This land is sure to increase in value very rapidly. The irrigation system is ideal—the farmers own and operate canals and reservoirs.

#### SEND FOR FREE ILLUSTRATED BOOK

Containing map and complete information about this land, water right, crop reports, climate, settlers' rates and easy terms of payment. Address owners.

La Junta Land Co., 231 Santa Fe Av., La Junta, Col.

## WEE HAVE A FARM FOR YOU

back, mother said her little boy looked neat enough to be kissed.—Christian Advocate.

### The Little Ones

#### THE WIND.

I saw you toss the kites on high  
And blow the birds about the sky;  
And all around I heard you pass,  
Like ladies' skirts across the grass—  
O wind, a-blowing all day long,  
O wind, that sings so loud a song!

I saw the different things you did,  
But always you yourself you hid.  
I felt you push, I heard you call,  
I could not see yourself at all—  
O wind, a-blowing all day long,  
O wind, that sings so loud a song!

O you that are so strong and cold,  
O blower, are you young or old?  
Are you a beast of field and tree,  
Or just a stronger child than me?  
O wind, a-blowing all day long,  
O wind, that sings so loud a song!

—Robert L. Stevenson.

#### On a Windy Day.

RUTH COWGILL.

Old Mr. Wind is a queer old man. He has long hair that streams out behind him, and very, very long legs so that he can get about very fast. At least, I think that is the way he looks, though I can not tell surely, because I have never really seen him. Nobody has. But this we all know, that he can whistle, sometimes quite loudly, for we have heard him. And, too, we know that he is strong, because we have felt his strength. Sometimes it seems as if he could take us right off our feet and maybe knock us down, he seems so very, very strong. But he is a kind old fellow. He doesn't want to hurt little children. He only likes to see them laugh as they run after the hats he is carrying away from them or pick up the papers he has scattered.

The other day Mr. Wind woke up very early in the morning. He felt very gay that day for he was going on a long journey. He whistled to the leaves as he passed them asleep on their trees and they all awoke and danced a gay little jig. Some of them were so startled that they let go their hold and scampered away through the air right merrily.

One day Mr. Wind skipped across the lakes, and the sparkling waves sprang up to greet him as he passed. He flew past a cornfield and the tall stalks waved their yellow arms at him; he hurried along the road and raised a great dust as he passed driving a million scurrying leaves before him.

At last he came to a great city, and there just before he reached it, he encountered his oldest son, a very, very bad son, who had almost broken his father's poor, old heart with his evil deeds. His son's name was John Cyclone. Perhaps you have heard of him, and know him for a wicked fellow.

"John, where are you going?" asked Mr. Wind, and his old voice shook.

"To yonder city," said John Cyclone. "I must have my fun you know, and I am going to play a big joke on these people. I'll wake them up!" And he gave a great, horrible laugh.

"Don't do it, John, don't do it," begged the old Wind, but John Cyclone was gone before the words were out of his mouth. For though he could go very fast, his bad son could far outstrip him.

He followed along sadly without even a low whistle, and presently he came to the place where the city had been.

It was a sad place. John Cyclone had tumbled over great buildings and houses just as a child tips over his blocks. He had torn up great trees by the roots and was now busily spreading fire which had started in a pile of trash.

A little child stood in the midst of all this sad scene, and he was crying. Old Mr. Wind came up softly to the little child and he heard him saying, "I've lost my mother, I've lost my mother."

Now old Mr. Wind knew just where his mother was and he did wish he could talk. But he can't. He can only whistle. So he began to whistle a little, cheerfully, for he thought that would comfort the child. Then he put forth some of his mighty strength and gently, very gently, pushed the little boy along down the desolate street.

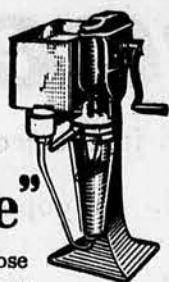
The child went along with his little



I cipher in this way: the Yankees make the most hits, and the English the fewest blunders.—Josh Billings' Philosophy.



## "You've Got To Show Me"



Are you one of those men who have to see it—to believe it?

If you are, we want to do business with you, because we believe in letting a man see and try a

### Tubular Separator

before asking him to buy; for in the end it means a satisfied customer.

Compare a Tubular with any other make and see if it isn't easier to fill, oil, turn, handle and clean, and the simplest machine made.

To prove its efficiency, durability and economy, try one. Catalogue 165 tells how. Sent free upon request.

THE SHARPLES SEPARATOR CO.,  
West Chester, Penna.

Toronto, Can. San Francisco, Calif. Chicago, Ill.

## Dairy Interests

### The Ayrshire Cow.

Mr. G. R. Wheeler, of Montgomery County, inquires regarding the Ayrshire cow and whether it is suitable for Kansas.

The Ayrshire cow originated in Scotland in the district of Ayrshire. From the early history of the breed, it has been subject to a rigorous climate, obliged to pick its food from a scanty vegetation, oftentimes. It is a breed than can handle a great deal of roughage, and make especially good use of the foods which the farmer can provide from his land. It will turn these foods into milk, furnishing large quantities of milk containing between 3½ and 4 per cent of butter-fat. In size the Ayrshire cow is smaller than the Holstein and larger than the Jersey, averaging in weight probably about 1,000 pounds. We believe that the Ayrshire cow would be very suitable for the Kansas farmer.

EARLE BRINTNALL.

Kansas State Agricultural College.

### Cows That Pay for High-Priced Feed.

The season has been favorable for dairy production in that prices for butter-fat have been good, and the greatest drawback is high-priced corn and feed, also a short pasture season. We believe, however, that the farmer will see the truth in the statement that dairy cows can pay for high-priced corn far better than any other animals on the farm. We admit that the average cow keeper questions this statement, but he questions it because he has not taken the pains to find out the facts; also because he is attempting to make beef cattle take the place of dairy cattle in the dairy. This has been proven for the past twenty-five years in more than twenty-five experiment stations and three world's fairs to be unprofitable and unwise. I doubt if it does pay to feed high-priced corn to a big fat cow giving a little milk, because she requires for every 100 pounds of live weight one pound of feed for maintenance; therefore if she weighs 1,200 she requires 12 pounds of grain to keep the carcass alive, and if she is a beef animal she naturally will grow fat rather than give milk; so that the little milk she gives will scarcely pay for this feed. On the other hand, if you have a machine which is given to the manufacture of milk, the more you feed through that machine the more profitable will it be, because the machine is doing the work

you wish it to do. Cow-keepers who are milking cows, wake up to this truth; test your cows; know what they are doing, and you will find out whether they are paying or not. The cows at our station are paying \$1.75 a bushel for corn. Of course such animals have been carefully selected and fed for production, but it is within the reach of any man who will devote attention and study to the cow business.

### Fat in Milk.

Studies on this subject of the New York State Experiment Station, under Jordan, stand in a class by themselves, because of their ingenuity of conception and care and faithfulness in execution, and the light they throw upon the uses of food by the animal and its change into animal product, says W. A. Henry, in Breeder's Gazette. Jordan undertook to settle the question once for all whether or no the fat which a cow puts into her milk comes from fat in the food she eats, from the carbohydrates, or from the protein. It is particularly appropriate that this work should be undertaken at the New York Station, for a number of years before its previous director, Collier, brought forth once more the old contention that since there was ample fat in the food which a cow ate to furnish all the fat found in her milk, it was but reasonable to suppose that the fat in the food was transferred from food, through digestion and assimilation, to the milk gland, and there passed on to become a constituent of the milk.

Jordan was one of those who doubted this and set about to find the truth. He chose to feed a cow for some time on a ration that contained no fat, or but very little, at most. How could such a ration be got together? All feeding stuffs, or rather all that can be used with the cow, carry more or less fat. To get practically fat-free feeding stuffs for his cow, Jordan sent 1,000 pounds of chopped hay and 1,500 pounds of cornmeal and ground oats to the Cleveland Linseed Oil Co. for treatment. This company manufactures linseed oil by the extraction process from the flaxseed, and so had the apparatus and methods ready for taking oil out of various substances in a large way. A light benzol was used by the company and this took out the fat from the feeding stuffs, which were then returned to the New York Station.

### EXPERIMENT TRIED ON A THIN JERSEY COW.

A Jersey cow, young and vigorous, was chosen for the experiment. She was thin in flesh and about four months advanced in the period of lactation. At first this cow was given a normal ration, consisting of untreated timothy hay, cornmeal, ground oats, and wheat gluten. Her production with this ration was recorded. Then her food ration was changed and she received the same kinds of feed, but with the fat taken out of them. Wheat gluten is fat-free naturally.

Now if the cow must get her milk fat directly from the feed she eats then something out of the usual should happen with the cow so nourished. Never before had a cow been fed a ration with practically no fat in it. What did happen was the usual—this cow went right on making normal milk. Indeed, she even gained in weight during the trial. When the summaries were taken Jordan found that during the trial the cow had produced 62.9 pounds of fat in her milk. During this period she had taken in with all her food only 11.6 pounds of fat, of which she digested only 5.7 pounds. During this time she gained 47 pounds in weight. She was in better condition than when the experiment started, and some of this betterment must naturally have been fat added to the body. Thus, after more than half a century of battling among the scientists it has been settled beyond peradventure that the cow need not have fat in her food with which to put fat into her milk.

### THE PROTEIN OF FEEDING STUFF FIRST IN IMPORTANCE.

From whence then comes the fat in the milk of the cow? Animal physiologists



ONE MILLION IN USE

## DE LAVAL CREAM SEPARATORS

First—Always Best—Cheapest  
**The World's Standard**

Ten years ahead of all others in every feature of separator practicability.

BEAUTIFUL IN DESIGN  
PERFECT IN CONSTRUCTION  
EVERLASTING IN DAILY USE

Send for handsome new catalogue illustrating and describing the new and improved machines in detail, to be had for the asking.

### THE DE LAVAL SEPARATOR CO.

RANDOLPH & CANAL STS.  
CHICAGO  
1218 & 1215 FIFTH ST.  
PHILADELPHIA  
DRUM & SACRAMENTO STS.  
SAN FRANCISCO

General Offices:  
74 CORTLANDT STREET,  
NEW YORK.

178-177 WILLIAM STREET  
MONTREAL  
14 & 15 PRINCE STREET  
WINNIPEG  
107 FIRST STREET  
PORTLAND, OREG.

## DAIRY CHICO FEED Cotton Seed Meal

AND HULLS THOROUGHLY MIXED IN 100-LB. BAGS.

Insures results on every ounce of feed used.

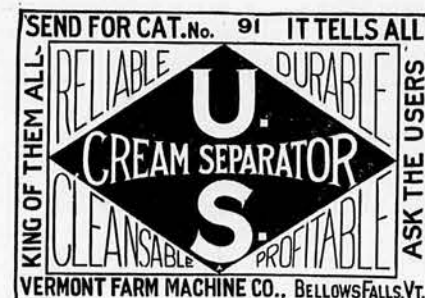
Increases flow of rich milk. Write for Booklet and name of your nearest dealer handling our products.

"It makes the old cow's heart glad and the milk pail full."

CHICKASHA COTTON OIL CO., 134 LIVE STOCK EXCHANGE,  
Chickasha, Okla. Kansas City, Mo.

Mills: Chickasha, Hobart, Clinton, Anadarko, Altus, Okla.

ologists place the protein of feeding stuffs first in importance. Physiological chemists generally started on their path by Liebig and Boussingault have given the protein in the food first place, and this properly. Some of these would have the fat in the milk and the body as well derived wholly from this source. Jordan determined the total amount of protein given to this cow during the experiment. He conducted digestion trials by which he found out what part of the total protein went into the body proper and what portion came out in the solid excrement—such portion having never really been in the body. Of that which entered the body proper he determined how much was passed off as waste through the urine and what appeared in the casein and albumen of the milk, which is the protein portion of that fluid. The results of the studies in this line show beyond question that only an inconsiderable part of the fat in the milk at most could have come from the protein in the food.



See our Latest Style U. S. Cream Separators at the National Dairy Show, Chicago, Dec. 2-10; National Corn Show, Omaha, Dec. 9-19.

CARBOHYDRATES THE MAIN SOURCE OF THE FAT IN THE MILK.

By elimination we have left then the carbohydrates as the main source of the fat in the milk of the cow under study. The carbohydrates in the foods used consisted of starchy matter and woody fiber principally. Naturally we do not think of these as capable of producing fat, and yet there is no question of the truthfulness of this proposition when we have exam-



ined all the data of the experiments. The cow is one of the animals that does not care for and seems to be unable to use any considerable amount of fat in her food. Dogs and humans are lovers of fat. The cow does require a very considerable amount of protein in her food—much more than she puts into her milk or is required to maintain the protein waste of her body. Protein seems to be the stimulant and maintainer of the animal organism, furnishing a stimulus which has to do with the conversion of starchy matter, woody fiber, and sugar which plants contain into milk-fat. It seems to be left, however, for the carbohydrates—the sugar, starch, and the woody fiber of feeding stuffs—to be utilized for supplying the heat and energy of the body and for building up the fat and sugar portions of the milk.

Half a century ago those greatest of all agricultural scientists, Lawes and Gilbert, of Rothamstead, England, showed plainly, in opposition to the general trend of the thought of that day, that the pig could make fat out of sugar and starch. Jordan has shown that the cow may make milk fat likewise out of the carbohydrates. Not content with the studies of a single cow, this patient investigator repeated his work in a larger way, with three cows, the results fully confirming the earlier studies. The student interested in this problem will find it most intelligently presented in Bulletins 132 and 197 of the New York (Geneva) Experiment Station.

#### MEN WHO ARE TOOL-WISE

Buy the Best Because They Always Give Satisfaction.

Tool-users find the greatest difficulty picking out tools that will really do the work for which they are bought. Usually it's a case of going over a stock and taking pot luck. If the tool turns out to be "right" the purchaser congratulates himself; if it proves unreliable, he charges it up to profit and loss, figuring that the maker can no more pick out a tool that positively will make good than he can. Such were the conditions everywhere in the old days and even to-day people who have not kept abreast of the times buy the same ordinary brands and keep on getting inferior goods handed to them.

Wise tool-users, carpenters, builders, farmers, and men in every branch of work where tools are used, have long ago discovered that there is one brand of tools on the market that can be purchased without inspection—without a microscopic examination of every part. Those tools are marked Keen Kutter and are made by the Simmons Hardware Co. of St. Louis. Whether it be the smallest sized awl or the largest hammer or saw, the tool is absolutely perfect and can be taken right out of the store at first pick and used indefinitely with unvarying success.

All goods marked Keen Kutter are guaranteed. A Keen Kutter guarantee means that every tool bearing the famous trade mark is tested to the utmost before it leaves the factory. It must be right!

These Keen Kutter tools are not only perfect in material and workmanship but all that have edges reach the user sharpened ready for the most exacting sort of work for which they are designed. These edges put on by factory experts are lasting. They are not just drawn down to an edge and then sent out, but are hand-whetted and gradually perfected until they have an edge that will be lasting.

Ordinary tools reach the user with only slight sharpening and are thus spoiled because they are not given the right kind of treatment in the first place. The Simmons Hardware Company pays as much attention to the sharpening as to any other important feature, and that is one reason why the tools last for such an unusual length of time. They are given the right kind of start!

Another notable point about Keen Kutter axes, hatchets and hammers is that the handles can not possibly come off. The patent Greiner everlasting lock wedge is so placed that no matter what happens the tool can not get loose.

The "hang" and balance of all Keen Kutter tools is perfection, making them a delight to use.

Whether it be a pocket knife, razor, auger, saw or hammer, rake or whatever tool you are in need of, order a Keen Kutter from your dealer. He will tell you that it's the best and that it is guaranteed—which means that you must get your money back or a get a new tool if the slightest flaw develops. If your dealer can not supply what you want, write to the Simmons Hardware Company (Inc.), either at St. Louis or New York City.

#### A Good Roofing.

Amatite is a self-reliant roofing. You don't have to go out and coat it every few months or patch it up to stop leaks. After it is laid, you can go off and forget about it and it will stay at its post and do its duty year after year.

A booklet about it and a sample may be had for the asking from the Barrett Manufacturing Company, New York, Chicago, Philadelphia, Cleveland, Cincinnati, St. Louis, Allegheny, Kansas City, New Orleans, Minneapolis.

#### The Fur Market.

One of the big fur dealers reported that the fur market is now in full swing with a very strong demand for every kind of fur on the list. This is particularly true of mink, skunk, and muskrat, which are bringing somewhat higher prices. Red fox, civet, and otter are also in very keen request. Lynx are still scarce and higher than ever. Opossum, while still a little low in price, are selling better, and more interest is shown in them. Raccoon are also selling to better advantage. Beaver and marten are steady at unchanged prices. The prospects seem good for a good catch, but the demand will be equal to, if not better than the supply.

#### Hides and Fur Market.

[Market report furnished by James C. Smith & Co., Topeka, St. Joseph, and Wichita. Quotations are consignment prices corrected each week.]

#### HIDES.

Green salt cured, short hair, No. 1, 10 1/4; No. 2, 9 1/4; green salt cured, side brands, over 40 pounds, No. 1, 8 1/4 flat; green salt cured, bulls and stags, No. 1, 8c; No. 2, 7c; green salt cured, glue, No. 1, 5c; green salt cured, side brands, under 40 pounds, No. 1, 6c; green salt cured, deacons, No. 1, 50c; No. 2, 25c; slunks, No. 1, 20c; No. 2, 15c; green uncured hides, 1c less than same grade, cured. Green half cured, 1/2c less than cured. Green salt sheep pelts, No. 1, 25@50c; No. 1, horse, No. 1, \$2.50; No. 2, \$1.50; ponies and No. 3, 75c; dry horse, half price of green; dry flint, butchers' heavy, 13c; dry flint, fallen, heavy, 12c; dry flint, light under 16 pounds, 10c; dry flint, culls, 8c; dry salt, heavy, 10c; dry salt, light, 8c; dry sheep pelts, 7@10c; No. 1 tallow, 5c; No. 2 tallow, 4c; beeswax No. 1, 25c.

Prices, Wichita and Grand Island 1/2c less.

#### FURS.

Raccoon, large, prime	\$.85@1.00
Raccoon, medium	.65@.85
Raccoon, small and No. 2	.35@.65
Skunk, back, prime	.90@1.25
Skunk, short	.60@.90
Skunk, narrow stripe	.50@.70
Skunk, broad	.20@.30
Mink, large, dark	3.00@4.00
Mink, medium	2.00@2.75
Mink, small and No. 2	1.00@1.75
Opossum, large cased	.20@.25
Opossum, medium	.10@.15
Opossum, small	.05@.10
Muskrat, winter	.20@.25
Muskrat, fall	.15@.20
Kits	.15@.35
Civets	.05@.10
House cats	.25@.75
Fox, gray	1.25@2.25
Fox, red, prime	1.00@2.25
Wolf, prime mountain	.25@1.00
Wolf, prairie	.25@.80
Wildcat	5.00@7.00
Beaver, large, each	4.00@6.00
Beaver, medium	3.00@5.00
Beaver, small	1.50@3.00
Badger, No. 1	.15@.65
Others worthless	
Otter, prime, large	7.00@10.00

#### Grain in Kansas City.

Kansas City, Mo., November 30, 1908. Receipts of wheat in Kansas City today were 185 cars; Saturday's inspections were 84 cars. Shipments, 100 cars; a year ago, 42 cars. Prices were generally unchanged for hard wheat and about 1/2c higher for soft wheat. The sales were: Hard Wheat—No. 2, 2 cars \$1.03 1/2; 3 cars \$1.03 1/4, 14 cars \$1.03 1/4; 1 car \$1.02, 4 cars \$1.01, 1 car \$1.00 1/2; 3 cars 99 1/4c, 1 car 99c, 2 cars 98 1/4c; No. 3, 1 car \$1.01 1/4, 3 cars \$1.01, 1 car \$1.00 1/2, 3 cars \$1, 2 cars 99c, 9 cars 98c, 5 cars 97 1/4c, 8 cars 97c; No. 4, 2 cars 98 1/4c, 8 cars 98c, 1 car 97 1/4c, 3 cars 97c, 2 cars 96c, 2 cars 95 1/4c, 5 cars 95c, 2 cars 94 1/4c, 4 cars 94c, 1 car 93c; rejected, 1 car 92c, 1 car 88c, 1 car 87c. Soft Wheat—No. 2 red, 1 car \$1.05, 2 cars \$1.04 1/2; No. 3 red, 1 car \$1.02 1/2, 2 cars \$1.01; No. 4 red, 1 car \$1.01 1/2, 1 car 95c, 1 bulkhead car 94c. Mixed Wheat—No. 3, 1 car \$1; rejected, 2 cars 85c. Durum Wheat—No. 2, nominally 88@90c; rejected, 1 car 84c.

Receipts of corn were 21 cars; Saturday's inspections were 14 cars. Shipments, 12 cars; a year ago, 35 cars. Prices were unchanged to 1/4c lower. The sales were: No. 2 white, 3 cars 58 1/4c; No. 3 white, 1 car 58 1/4c; No. 2 mixed, 2 cars 58c, 7 cars 57 1/4c, 2 cars 57 1/4c; No. 3 mixed, 1 car 58c, 1 car 57 1/4c, 7 cars 57 1/4c; No. 2 yellow, 1 car 58 1/4c. Receipts of oats were 13 cars; Saturday's inspections were 10 cars. Shipments, 15 cars; a year ago, 5 cars. Quotations were unchanged. The sales were: No. 2 white, nominally 48@50 1/4c; No. 3 white, 1 car 49c, 1 car 48 1/4c, 1 car 48 1/4c, 1 car 48c; No. 2 mixed, nominally 47 1/4@49c; No. 3 mixed, nominally 47@48c. Barley was quoted at 55@60c; rye, 72@76c; kafir-corn, \$1@1.05 per cwt.; bran, 94@95c per cwt.; shorts, \$1.05@1.15 per cwt.; corn chop, \$1.03@1.08 per cwt.; millet seed, \$1.15@1.20 per cwt.; clover seed, \$4@9 per cwt.; timothy seed, \$2@3.50 per cwt.

#### Kansas City Live Stock Market.

Kansas City, Mo., November 30, 1908. The influence which the turning of the popular appetite to poultry and game during "turkey week" exerted itself with increasing effect after the middle of last week, and the market closed dull, and 20@30c below the good prices paid Monday. Stockers and feeders sold uneven during the week, but held the advance fairly well, shipments to the country 550 carloads, a big week. The ports of New York and Pennsylvania are closed to export cattle, account of the foot and mouth disease in those States, and this is injuring the export trade somewhat, more at the Northern markets than elsewhere. There should be a good demand this week for Christmas cattle for the London market, as well as during the next two weeks for fancy cattle for the domestic trade. The run to-day is light at all points, 12,000 head here, steers and cows 10@15c higher, stockers and feeders 10@20c higher, calves 25@50c higher. Top steers to-day sold at \$6.35, fed Westerns at \$6.10, whereas, strictly prime steers would sell at \$7.25@7.50. Top last week was \$6.80. Bulk of the fed steers range from \$5.25@6.50, cows \$2.25@4.75, heifers \$3@5.50, bulls \$2.40@4, calves \$3.50@6.50. Good strings of range stockers and feeders continue to arrive, about 75 loads of Colorados here to-day, and a good run from New Mexico, good feeders selling at \$4@4.60, stockers \$3.75@4.35, medium to trashy stockers \$2.75@3.50. This will be about the last week for range cattle in any numbers. The hog market made some big losses last week, but closed with some show of strength, in spite of the net loss of 15@20c during the week. The run is 11,000 here to-day, market opened 5@10c higher, top \$5.90, bulk \$5.35@5.55. The close to-day was weak, but movements of buyers point to a latent strength in the situation. Average weight is increasing, and proportion of heavy hogs is greater. November receipts here are greatest on record for November at 356,000 head, which is nearly 80 per cent more than same month last year. Total receipts for the year 1908 at Kansas City will aggregate half a million head more than in any previous year, not excepting the drought year, 1901.

The sheep and lamb market was uneven last week, but closed at the high point. Run is 10,000 head here to-day, market strong to 10c higher, best lambs at \$6.35, highest price this fall, fed yearlings worth up to \$5.40, wethers \$4.75, ewes \$4.40, medium class stuff considerably below these figures. Demand for feeding stock is good, and quite a lot of this class is coming from Arizona and New Mexico, lambs worth \$4.75@5.35, wethers and yearlings \$4@4.40, ewes \$2.50@3.25, breeding ewes around \$4.

## We Can Save You \$30.00 to \$50.00

And I just want to tell you, Mr. Farmer, that you can't afford to put your hard-earned money into a separator of any kind until you have given me a chance to tell you all about our

## Clarinda Cream Separator

It has the best skimmer ever made—a combination wing and disc device—simple and easily kept clean. Low supply tank, easy to fill. Light running—doesn't get out of order easily—good for a dozen years of constant service.

If you bought it through a dealer you'd pay \$100 to \$125—but we sell

**Direct from the Factory to the Man Who Turns the Crank**

We are satisfied with one small profit—what we can save you on the price of a separator will buy you another milk, or a couple of thoroughbred sows. Worth thinking about, isn't it?


Write today—a postal will do—so that I can write you a personal letter telling all about our special separator proposition—

**Our Real 30 Day Free Trial Offer and Our Common Sense 5 Year Guarantee**

and send you our free dairy book, "Stop That Leak".

**Charles D. Speelman, Manager,**  
Independent Manufacturers and Supply Co.,  
309 New Nelson Bldg., Kansas City, Mo.

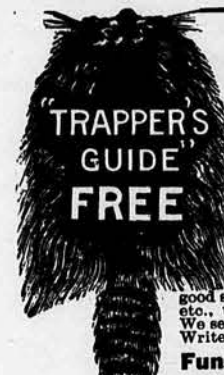




## HIDES AND FURS

BOYS: We want to help you to make a little CHRISTMAS MONEY. Write us at either of the following places: TOPEKA, KANS.; St. Joseph, Mo.; Wichita, Kans.; Grand Island, Neb. Ship us your HIDES AND FURS. We guarantee prices as quoted in this paper. Until Christmas we will pay expressage on FURS where it does not exceed 10 per cent of value. Catch the wild animals, skin the dead cattle and horses. Shipping tags free. Don't wait. DO IT NOW. Enclose this ad.

**JAMES C. SMITH & CO.**



## Cash For Skins

You get the highest prices and the quickest returns when you ship your furs to Funsten. Coon, mink, skunk, muskrat, marten, fox, wolf, lynx and other furs are valuable. We receive and sell more furs direct from trapping sections than any house in the world. The biggest American and foreign buyers are represented at our daily sales, which run from \$25,000.00 to \$50,000.00 a day. The fierce competition among buyers at our big sales enables us to get higher prices than anyone else. That's why we can send you the most money for your furs, and send it quicker.

While work on the farm is slack, do some trapping. It's good sport and pays big profits. We furnish trapping outfits at cost. Traps, baits, etc., that make trapping easy. Write today for Catalog B and full particulars. We send our New Trappers' Guide, Fur Market Reports and Shipping Tags FREE. Write for them today. Act now, for this is your big money-making opportunity!

**Funsten Bros. & Co., 278 Elm Street, St. Louis, Mo.**

## WE BUY HIDES AND FURS

If you want a square deal and quick returns on your shipments, send your hides and furs to us. It doesn't matter whether you have one hide or a carload. We have the largest hide and fur house in the Southwest, and we pay the TOP PRICES. Established 1882. Write for classified price list, and free shipping tags. Special prices on large lots or carloads. Special proposition to fur shippers.

**BIGGS & KOCH**  
1529 St. Louis Ave.  
Kansas City, Mo.

## TOP PRICES

## We Buy Raw Furs

and being located in New York, can pay you best prices. Prompt returns. References. No commissions. Write for prices.

L. BRIEFNER & SONS,  
Established 1861. 20 E. 16th St.  
NEW YORK.

## Trappers—Fur Traders

Ship your Furs direct to the World's largest Fur market, where prices are always highest. Write for our latest Price List, giving highest prices for Furs and Pelts of all kinds from all sections. It's FREE.

**MYERS-BOYD COMMISSION., St. Louis, Mo.**

## Furs Wanted

It will be to your interest to have my price list and shipping tags. I do not issue a sliding scale of prices. One price on each grade and don't forget, I pay that price.

**BARNARD'S FUR HOUSE**  
IOLA, KANS.

# FREE FURS BAIT

Send me address of two trappers, and I will send you free a mink stretching pattern. I pay highest prices for raw furs. Will sell you a Fur Coat at Wholesale Price. Write for price lists.

Send 25c for trial box (3 oz.) of "BETTER BAIT." Best bait in the world for catching mink, fox, bear, etc. Pound boxes, one dollar. Write today.

**HERMAN REEL, MILWAUKEE, WIS.**



## Horticulture

### Kansas Horticulturists.

Following is the program of the forty-second annual meeting of the Kansas State Horticultural Society, to be held in the Supreme Court room in the State Capitol, Topeka, Kans., on Tuesday, Wednesday, and Thursday, December 29, 30, 31, 1908.

#### GREETING.

The program is preceded by the following greeting from the secretary:

The yield of fruit has been more bountiful this year than last, yet there is much room for improvement in our horticultural harvests, both in quantity and quality. Let us not give up striving for better results. Let us grasp every opportunity for improvement.

Come to our meetings, listen to the papers, and take part in the discussions. Nowhere else can you get the practical horticultural knowledge to be gained here. Come and give your experience. If you have worked out any horticultural problem, be it large or small, tell it at our gathering and have it recorded for the benefit of yourself, our society, and future generations.

Every paper on the program is from one having practical knowledge and experience on the subject presented. The program has not been overcrowded, that there may be plenty of time for discussions.

All who can are urged to bring or forward fruit for exhibition.

FIRST DAY, TUESDAY, DECEMBER 29, 1908.

11 a. m.—Trustees will hold a short session.

1.30 p. m.—President Hon. Edwin Taylor will call to order. Prayer by Rev. F. N. Lynch, pastor First Methodist Church, Topeka. Annual report of trustees, by congressional districts, on "Horticultural Conditions and Progress." First district, F. W. Dixon, Holton; Second district, C. V. Holsinger, Rosedale; Third district, F. L. Kenoyer, Independence; Fourth district, C. C. Cook, Eskridge; Fifth district, Albert Dickens, Manhattan; Sixth district, J. J. Alexander, Norton; Seventh district, C. A. Blackmore, Sharon; Eighth district, Geo. A. Blair, Mulvane. Appointment of committees on credentials of delegates, election, new members, exhibits, auditing, obituaries, and resolutions. "Peaches," Geo. P. Whiteker, Topeka.

7.30 p. m.—Address of Welcome, Mayor William Green. Response to Welcome, President Edwin Taylor. Song, Mrs. John Kleinhaus, Topeka. "The Ideal Home," Dr. Eva Harding, Topeka. "Practical and Ornamental Forestry," C. S. Harrison, York, Neb.

SECOND DAY, WEDNESDAY, DECEMBER 30, 1908.

9 a. m.—Call to order by President Edwin Taylor. Prayer by Rev. Francis L. Hayes, pastor First Congregational Church, Topeka. Reports of Officers: Report of vice-president, Edwin Snyder; report of secretary, Walter Wellhouse; report of treasurer, E. G. Hoover; report of official entomologist, Prof. T. J. Headlee; report of microscopist, Prof. B. E. Smyth. Address by the president, Edwin Taylor. Report of committee on audit. Report of committee on credentials. "Originating New Fruits for Kansas," A. H. Griesa, Lawrence.

1.30 p. m.—Report of committee on order of election. Election of officers. Election of trustees for Districts Two, Four, Six, and Eight. Amendments to constitution, for passage. Amendments to constitution, newly offered. "Planting and Management of the Orchard," Geo. C. Richardson, president and manager of Missouri Valley Orchard Co., Tonganoxie. "The Family Orchard," Hon. J. T. Tredway, La Harpe.

7.30 p. m.—Music. "The Selection and Preparation of Food," Mrs. Mary Pierce Van Zile, professor of domestic science, Kansas State Agricultural College, Manhattan. "The Food Value of Fruit" (illustrated with lantern slides), Dr. C. F. Menninger, professor of dietetics, Medical School of Washburn College, Topeka. Music.

THIRD DAY, THURSDAY, DECEMBER 31, 1908.

Call to order by president-elect, Prayer by Rev. Chas. A. Finch, pastor First Christian Church, Topeka. Gardening: Ten-minute papers will be read on "Celery," by Prof. Albert Dickens, Manhattan; "Tomatoes," A. V. Wilson, Muncie; "Asparagus," Gerald L. Holsinger, Rosedale; "Rhubarb," F. P. Rude, Topeka; "Horseradish," O. F. Whitney, Topeka. Unfinished business. Report of committee on new members. Report of committee on obituaries. Report of committee on resolutions. Report of committee on exhibits.

Note.—Votes for officers can be cast only by life members, annual members of one year's standing, and not over two delegates (or their alternates) from each active horticultural society within the State.

#### FRUIT EXHIBIT.

One hundred dollars has been set aside for awards on exhibits of fruits.

The exhibition is not competitive, but every exhibit of merit will receive an award.

Five specimens shall constitute a plate of apples, pears, peaches, or quinces; nine specimens of crabs and plums; grapes, one pound.

Several plates of same variety may be exhibited by same person.

Displays by counties, society, or individuals may include all not duplicates which they exhibit, whether already awarded a premium or not.

It is desirable that all fruit be correctly named.

Preserved and dried fruits, or preparations of fruit, will receive the attention and consideration of the committee.

New varieties will be specially classed and distinctly reported upon.

New fruits of value, noted varieties or those of peculiar excellence, from anywhere will receive awards of "Special Merit" or "Honorary Mention."

This display will be made in the exhibition room of our society, on the fourth floor of the State house, west side of north corridor.

#### MEETINGS.

All sessions of our meetings will be held in the Supreme Court room, on the second floor, east side of south corridor in State house.

These meetings are not for the members alone. All are invited to attend.

#### How's This?

We offer One Hundred Dollars Reward for any case of Catarrh that can not be cured by Hall's Catarrh Cure.

F. J. CHENEY & Co., Toledo, O. We, the undersigned, have known F. J. Cheney for the last 15 years, and believe him perfectly honorable in all business transactions, and financially able to carry out any obligations made by him.

WALDING, KINNAN & MARVIN, Wholesale Druggists, Toledo, O. Hall's Catarrh Cure is taken internally, acting directly upon the blood and mucous surfaces of the system. Testimonials sent free. Price 75c per bottle. Sold by all Druggists. Take Hall's Family Pills for constipation.

#### Better Sausage—More Lard Less Work.

Probably there is no more disagreeable work connected with farming than "hog killing." Butchering is a disagreeable job, but the preparation of the meat for winter keeping, making sausage and trying out lard, involves downright hard work of the roughest kind. Much of this labor can be avoided by having proper tools, and nothing will prove more effective than an Enterprise butchering outfit, consisting of an Enterprise meat and food chopper and an Enterprise lard press and sausage stuffer.

These are labor-saving devices of incalculable value, but they also increase the earnings from your hogs. This outfit will pay for itself in one season. The Enterprise meat chopper chops meat quickly, uniformly, and perfectly. It cuts the meat without crushing or grinding, so that each minute piece will retain all of its natural goodness and flavor.

This increases the value of your sausage—it's better flavored—better tasted in every way and will command a better price.

The drudgery of lard rendering and the hard work of sausage stuffing are overcome by the Enterprise sausage stuffer and lard press. You get more lard and better lard with this machine than in any other way, with one-tenth the work.

The Enterprise sausage stuffer has a patented corrugated spout which prevents air entering the casing, thus assuring the preservation of the sausage. You can't stuff sausage skins as effectively by hand nor with any other machine.

A most practical and economical way of increasing the yield from poultry is to get an Enterprise bone shell and corn mill. Put a few cents' worth of dry bone, old shells or corn into an Enterprise bone mill and it will increase its value tenfold as a poultry food.

There's no food so good for poultry as variety nor a way to save money so easily as to grind your poultry food, using an Enterprise bone mill.

Send your name and address to The Enterprise Manufacturing Co., of Pa., 226 Dauphin street, Philadelphia, for a copy of the "Enterprising Housekeeper." This is a cook-book containing over two hundred recipes and other practical kitchen helps.

#### NOT AFFECTED BY DEPRESSION.

One Big Industry that Makes Its Business Grow and Expand During Year of Business Depression.

When a manufacturing establishment reaches out in a year of depression and increases and expands its business, while others in the same line diminish their outputs or stand still, it is because there must be some unusually good reason for it. In this instance a splendid reputation and a more-than-ordinary meritorious product were responsible for the showing made.

The Mayer Boot & Shoe Company, Milwaukee, the largest shoe establishment in the Northwest, has just closed its fiscal year, and reports an increase in sales over the corresponding period of last year. This exceptional showing speaks volumes for the genuine merit

of Mayer shoes, and is directly attributed to their high standard, and because of the fact that Mayer shoes have become universally and popularly known as "shoes of quality."

Most of our readers, no doubt, have become familiar with the shoe advertisements of this enterprising firm, that have been appearing in the columns of this publication for a number of years past. To those who have not yet become familiar with the extraordinary wearing qualities of Mayer shoes, we would recommend a closer acquaintance by a purchase of a pair at the first occasion.

The leading brands are "Honorbilt" fine shoes for men. "Leading Lady" fine shoes for women. "Yerma" Cushion shoes for both men and women (these are exceptionally fine shoes for people troubled with tender feet); the popular "Martha Washington" Comfort shoes, which have the largest sale of any shoes of their kind in the world, and the "Special Merit" School shoes (a strong and sturdy line of seamless school shoes that wear like iron). In addition to these brands, the Mayer Boot & Shoe Company makes a complete line of every-day and Sunday shoes for all purposes. In fact, there is a Mayer shoe for every purpose and for every member of the family.

#### A Big New Railroad in Building.

Considerable progress is reported on the Kansas City, Mexico & Orient Railway. A. E. Stillwell's road.

The gap between Wichita, Kans., and Sweetwater, Texas, has now been closed, and through train service established over a distance of 432 miles. Grading has been completed between Sweetwater and San Angelo, and steel is being laid.

This affords the Orient connections with the Texas & Pacific Railroad at Sweetwater, and the Santa Fe at San Angelo.

Grading is being done at Mertz, thirty miles west of San Angelo, and the construction work will be pushed forward rapidly toward the Pecos River, where the Orient is opening a new irrigated district, the Lower Pecos Valley.

Mr. Stillwell is now in Europe, where he has been for some time in the interest of the Kansas City, Mexico & Orient Railway. Three hundred and fifty thousand dollars worth of bonds of this railroad have been sold in Europe during the last few months, and negotiations are on for the sale of several million dollars worth.

The Orient's new irrigated land enterprise in the Lower Pecos Valley is attracting homeseekers from all over the United States, and thousands of acres of land are being sold.

Hon. F. D. Coburn, secretary of agriculture of Kansas, has just returned from a trip to the Pecos Valley country, where he went with Land Commissioner Hornbeck. Mr. Coburn was well pleased with the Pecos Valley and says it is the finest alfalfa district in America.

#### LEARN MUSIC BY MAIL.

A Wonderful New Discovery that Will Revolutionize the Study of Music.

Elsewhere in this issue will be found the advertisement of the Simplex School of Music, Kansas City, Mo. Any of our readers who are in the least interested in the study of music will do well to look into the great possibilities of this truly wonderful system.

Unlike most of the new discoveries in this field, this system is decidedly practical, and is an absolute and marvelous system. Anyone who can read and write can readily master this system, and prove unusually proficient in about one-fifth the time required under the ancient system now in general use. The Simplex School has issued a beautifully illustrated book describing this method of teaching music by mail, and those interested will find this book well worth writing for. It is sent free by the Simplex School of Music, Conservatorial, Kansas City, Mo.

#### Something New—Late Improvements in Stoves.

The newest and latest improvement in base-burner construction is the hot



air flue which takes the cold air off the floor, passes it up through the stove, throwing out hot air at the top, creating a circulation that will change the air in a room 15 feet square every 40 minutes. This was not had by the old style construction. The Hoosier Stove Co., of Marion, Ind., have just built the latest thing in this line. The hot-air flue in Hoosier Stoves is guaranteed to have fifty-four cubic inches more heating capacity than any stove heretofore put on the market, and it is said on account of this improved hot air flue to heat at least one room more, with the same amount of fuel, than the old-style make of corresponding size. One can easily see the advantage of getting a stove with these new improvements, as the saving in fuel will soon pay for the cost of a stove.

The Hoosier Stove Factory is located at Marion, Ind., 209 State St., and to any one that will send their address on a postal the Hoosier Stove Company will mail free one of their 64-page catalogues and quote their lowest factory prices direct to you. They allow you to try a Hoosier Stove or Range thirty days free in your own home, and will send it to you freight prepaid, so that you are not out one penny. If you need a stove you should try one of these before buying.

## RHEUMATISM

A CURE GIVEN BY ONE WHO HAD IT.



In the Spring of 1893 I was attacked by muscular and inflammatory rheumatism. I suffered as those who have it know, for over three years, and tried almost everything. Finally I found a remedy that cured me completely and it has not returned. I have given it to a number who were terribly afflicted, and it effected a cure in every case. Anyone desiring to give this precious remedy a trial, I will send it free. Address, Mark H. Jackson, No. 428 James Street, Syracuse, N. Y. Mr. Jackson is responsible. Above statement true—Pub.

## \$7.98 Dresses A Man

For \$7.98 we will send you the following: Suit of Clothes (state color), one Merino Suit of Underwear, one pair of Best Socks, one Fancy Sunday Shirt, one collar, one beautiful tie, one strong pair of Suspenders, one pair of Donga \$5.00 shoes. Send no money. We will ship you all of these goods to your city with the privilege of seeing them before paying one cent, and if not found in every way as represented and what your home dealer would charge \$20.70, return them to us and we will pay all charges. Merchant's Price Our Price

One Fancy Worsted or Thibet Suit of Clothes, state color wanted.... \$12.00 \$5.68  
One Merino Suit of Underwear.... 1.50 .58  
Good Pair of Socks..... .35 .07  
Good Sunday Shirt..... 1.00 .37  
Best Collar..... .15 .04  
Beautiful Tie..... .35 .12  
Strong Pair of Suspenders..... .35 .14  
Pair of Donga \$5.00 Shoes..... \$5.00 .98  
\$20.70 \$7.98

Freight paid if full amount of cash is sent with the order to any city in the United States. We have 1,000,000 of the above bargain lots which we are absolutely positive will not last more than 30 days. Order today.

Free Clothing and Dry Goods Catalogue, Grocery List, Etc.

DEERING MERCANTILE CO., 41 Wabash Ave., Chicago



FREE

To prove that our Blizzards are the best evergreens will grow in all parts of the country we offer to send 6 fine Spruces 4 to 4 1/2 ft. tall, free to property owners. Wholesale value and mailing expense over 30 cents. To help, send 5 cents or not as you please. A postal will bring the trees and our catalog containing many colored photo plates of our choice Blizzards, Fruit, Ornamentals, etc. We want to get acquainted with you and it will pay you to get in touch with our Hardy Blizzards. 39 years' experience in growing hardy trees here in what was once called the Great American Desert. Write today.

THE GARDNER NURSERY CO., Box 22, Osage, Iowa

## Evergreens

that will grow for you. 15,000. Arborvitae. Specimens for yard or hedge. Specialty of ornamentals for landscape purposes.

Farrar Nurseries, Abilene, Kans.

## CALIFORNIA ALFALFA SEED.

Re-cleaned and guaranteed free from dodder and all weeds. Strictly pure seed. Price 35 cents per pound, delivered free west of the Mississippi River.

Address SMITH-GENTRY CO., Corcoran, Cal.

## Rupture Cured

### IN ONE TREATMENT

The method I originated for the cure of Rupture is the safest, most successful in the world today. It comes nearest to being nature's own way of correcting the trouble. Only one treatment necessary to cure you. After that you will never know you had a rupture. You will be healthy and strong—able to do a man's work any time without fear of injury. Hundreds have taken my treatment, some had been ruptured from 5 to 35 years others had worn a truss all their lives. Today they are entirely free from this handicap. You can be free also. If I fail it costs nothing.



No Knife No Truss

Neither one are necessary to be cured by my method. You can throw away your truss; you won't need to suffer the inconvenience of it any longer. Your rupture will be gone; you will be as robust and healthy as you were before you became ruptured.

WRITE AT ONCE FOR Free Book

With a treatment like mine at your command there is no excuse for you to remain ruptured. Investigate my method. I want you to know all about it—write for my Free Book. It explains fully and gives the history of a hundred or more cases that I have cured. Write to any of the people whose names I give—ask them anything you want; they will tell you about their case and remember I guarantee a cure.

DR. H. H. DE PEW, 531F Utica Building Des Moines, Iowa. WRITE TODAY.

## VARICOCELE

A Safe, Painless, Permanent Cure Guaranteed. 30 years' experience. No money accepted until patient is well. CONSULTATION and valuable BOOK FREE, by mail or at office.

DR. C. M. COE, 918 Walnut St., Kansas City, Mo



## The Poultry Yard

CONDUCTED BY THOMAS OWEN.

### How a Boy Started a Chicken Farm.

We copy from the November Inland Poultry Journal an account of a New York boy who started a paying poultry farm with only eight dollars capital; and then after making a success of it, turned it over to his mother and sister who now make a living out of it. The statement by the boy's mother as to the way he started the poultry business is not only interesting but profitable, for she gives details of all his transactions and we hope it may prove an incentive to other boys to go and do likewise. There is nothing improbable or impracticable in the story and while the New York prices are a little better than Kansas prices, still any Kansas boy can succeed if he attends to the details of the business as thoroughly as the New York boy did. We think the boy might have done better if he had started with pure-bred fowls, but he would have needed more capital to do that and maybe more experience. How much better it would be, if our boys would only take an interest in some such useful and profitable undertaking, rather than be running around the streets with unruly boys and getting into mischief. To get the boys interested it would be a good plan for the parents to buy a few pure-bred fowls and give them to their boys, and allow them all the profits they can make out of the business, making them pay for the feed they use for the fowls and interest on the investment. Here is the story:

"Yes, it is quite true that my son made enough money out of poultry to pay his way through the high school and business college. He started with nothing when he was ten, and three years ago, after he had taken his diploma and secured a good position, he turned his poultry business over to me and his younger sister."

The speaker was a woman living on Long Island, whose poultry and eggs bring fancy prices in the New York market.

"We make a good living by it, my daughter and I," she went on. "So I don't encourage her to seek office work in the city."

"From his summer earnings my son, at the age of ten years, saved up \$8, with which he bought ten hens at 50 cents each and two white rabbit does at \$1 each. The balance went for feed except 10 cents. Five of that 10 cents went to buy lime to make a thick wash, with which he covered the inside of the house, and the last five to buy kerosene to put in the whitewash as a preventive of vermin. You see, the farmer for whom he worked was also a poultry-raiser, and my son had picked up a lot by watching him."

"When school opened that autumn he had everything fixed and going smoothly. Every morning before leaving for school he cleaned up the poultry house, rinsed out the drinking tub, and gave the chickens their morning feed. He did it all in ten minutes and it was always well done. At night he made the mash by scalding two cups of bran, adding two cups of ground feed and a pinch of salt, mixing it all together and standing it at the back of my cook stove. In the morning it was just warm and almost dry."

"When he came home at night he fed the chickens grass, plantains, or any green stuff he had been able to gather on his way from school. This he cut into two-inch lengths with a pair of old scissors, as the farmer had explained to him that long pieces of grass were apt to cause the hens to be crop-bound, because they could not break it into short pieces as they do with growing grass."

"He kept a record of everything he made and spent which I still have. He laughs at it now, but we all thought it remarkable then, and I

haven't yet got over feeling proud about it."

"I remember the first week he started in business his ten hens laid twenty-four eggs; second week, twenty-four; third week, forty-three; fourth week, fifty. He got regular orders from women living near the school to take his eggs at 22 cents a dozen right along."

"That first month he made \$2.42 from the eggs of those ten hens, besides giving me fourteen for the house. As feeding the hens only cost 88 cents, he had a clear profit of \$1.54."

"Before the frost came he had thought out a good plan for keeping his hens in green food during the winter. It was a plan that, so far as I have been able to learn, nobody had ever tried before."

"He got two barrels and packed them full of fresh-cut clover and plantain. By fixing the lids to fit inside and weighting them down with heavy stones he kept the green stuff fresh and juicy like ensilage for cattle."

"That saved him buying clover that first year, and as green food is as necessary as meat for a good egg yield, it had much to do with the success of that first winter. After the first of January he bought meat scraps of the butcher at 10 cents a week; but as eggs sold for 40 cents a dozen, his profits were still good."

"During December he added five hens to his flock, just ordinary backyard hens like the first, costing 50 cents each. To those fifteen hens he fed a scant quart of mash, and while they were eating sprinkled a pint of wheat and hulled oats among the leaves with which he kept the floor of the poultry house covered. In searching for the grain the hens got exercise."

"The farmer had suggested this to him as the best plan for keeping the hens warm on days when they could not go out in the yards. Their supper was corn, which my son always put into the oven as soon as he returned from school and fed them as soon as it was warm, not hot. How much? Oh, about as much as the fifteen could eat up in ten minutes."

SOLD TEN RABBITS FOR 50 CENTS EACH. "Around Christmas time he sold ten little rabbits for 50 cents apiece, and as the feeding of the two does from the time of buying had cost only 40 cents, he considered them a good investment. In January he added one rooster to his flock, for which he paid \$1."

"In February he set five hens at hatching, in March five more, so that he had only five to produce eggs. In February there were twelve more young rabbits, but only eight were sold, as my son decided to keep four little does to increase his stock."

"In March he bought two ducks and a drake for \$5, and as he had to build them a house and add to his henhouse, besides buying packing cases covered with tar paper to make storm-proof coops, his account ran up to \$15. Even with this expense his profits amounted to \$6.54."

"He set every hen as soon as she was broody, as he had learned from the farmer that early chicks made the early profitable pullet, and all the cockerels of February and March catch the big prices in the market as broilers in May and June."

"At the back of each of his coops he made a nest of hay, into which he put thirteen to fifteen eggs. After dark he would take the brooding hen off the nest in the chicken house and, holding her feet down, would dust her thoroughly with insect powder and then would place her on a nest in a coop. Every morning a handful of whole corn was placed in one corner, a little pan of water in the other and the door shut."

"On the eighth and the seventeenth evenings Biddy received a second and third dusting with insect powder. This insured against there being any lice to torment the young chicks on their arrival."

"As soon as the hatching was over the nest was removed and my son made little yards in front of each coop



# BROMO-SELTZER

CURES

## HEADACHES

10¢, 25¢, 50¢, & \$1.00 Bottles.

## POULTRY BREEDERS

### Plymouth Rocks.

B. P. ROCKS and R. C. R. I. RED COCKERELS at \$1 each, also W. Holland Turkeys at \$2 each, if taken by Jan. 1st. M. H. Johnson, Potwin, Butler Co. Kans.

FOR SALE—18 varieties of thoroughbred poultry—Toulouse and Emden geese, Pekin, Rouen and Muscovy ducks, Pearl and white guineas, bantams. All kinds of dogs. Also all kinds of fancy pigeons. Write for free circular. D. L. Bruen, Platte Center, Neb.

## SMITH & KNOPF

Laying strain of Rocks—Barred, White and Buff, raised on separate farms. As bred by us they attain perfection in egg production. Combined with excellent color, large frames and the strongest of vitality, they are unequalled as a paying investment. We guarantee everything to be as represented. If you are not satisfied we will cheerfully refund your money. Let us show you that we mean what we say. Describe the kind of stock you want and let us quote you prices.

## SMITH & KNOPF,

ROUTE 2, MAYETTA, KANS.

### CONSOLIDATION SALE

Forty Pullets; Smith's Laying Strain of Barred Rocks.

Having formed a partnership with F. Knopf, the well-known White Rock breeder of Holton, Kans., and to reduce my stock of Barred Rocks, I will sell 40 pullets, well matured, good color, and with the laying blood back of them, for the extremely low price of \$1.50 each. Also a few choice cockerels for early trade. This offer will not be repeated. Do not fail to take advantage of this opportunity to get good stock at a small cost. Write your wants at once.

Chas. E. Smith, R. 2, Mayetta, Kans.

## White Plymouth Rocks

EXCLUSIVELY.

For 16 years I have bred W. P. Rocks exclusively and have them as good as can be found anywhere. I sell eggs from first-class, high-scoring stock at live and let-live prices. \$2 per 15, \$5 per 45, and I pay the expressage to any express office in the United States.

Thomas Owen, Sta. B, Topeka, Kans.

by cutting light poles and forming a frame four feet long, as wide as the coop and eighteen inches high. Around the sides and end he tacked fine wire netting, fastening the open end to the coop, in this way giving the chicks a good run until they were three weeks old.

"During the first twenty-four hours he gave the chicks nothing at all to eat; after that, for the first five days, bird seed and gravel mixed, and left where they could get it at all times. To make a drinking fountain into which the chicks could not get their feet he got a tomato can and a pie plate with straight edge, two inches deep and about an inch larger than the can."

"He made a small perforation in the can and after filling it with water, turned it upside down in the plate. We now use fountains of galvanized iron at 25 cents each, which I do not think one bit better than the fountain my son made for these first-year chicks."

### FREE DEAFNESS CURE.

A remarkable offer by one of the leading ear specialists in this country, who will send two months' medicine free to prove his ability to cure Deafness, Head Noises, and Catarrh. Address Dr. G. M. Branaman, 1360 Walnut St., Kansas City, Mo.

### Cottonseed-Meal.

Under the conditions that have existed during the past few months the breeder and feeder of live stock has been seriously hampered by the high price of corn and has gotten along with the smallest possible amount. These conditions still prevail, and will continue until the new corn crop is ready and yet it is necessary that

### Brahmas.

## Light Brahma Chickens.

Choice pure-bred cockerels for sale. Write or call on

Chas. Foster & Son, Route 4, Eldorado, Ks.

### Leghorns.

ROSE COMB BROWN LEGHORNS—Good cockerels \$1 each, from heavy laying exhibition stock, the kind that will suit your money back if not satisfactory. Frank Dunable, Clay Center, Kans.

JOHNSON'S LAYING STRAIN—Rose Comb Brown Leghorns. One hundred 1-year-old hens for sale at \$7 per dozen. Same cockerels for 75c each. H. M. Johnson, Formosa, Kans.

## 200 S. C. Brown Leghorn Cockerels

Fine, vigorous birds, improved size. Our motto: Fine birds, low prices. \$1 each, \$5 per half dozen, \$10 per dozen.

L. H. Hastings, Quincy, Kans.

### Buff Orpingtons

BUFF ORPINGTONS—Cockerels, pullets, young mated breeding pens. Every prize State Wide Fair. Every first but one, State Fair. Egg Laying Record and catalogue free. W. H. Maxwell, 1906 MacVicar Road, Topeka, Kans.

### Rhode Island Reds.

R. C. RHODE ISLAND RED cockerels and pullets \$1 each or six for \$5. Mrs. J. C. Baily, Spring Hill, Kans.

I HAVE A LIMITED NUMBER of R. C. R. I. Red cockerels for sale. They are very fine and highly bred. O. O. Browning, Linwood, Kans.

CHOICE full blooded R. C. R. I. R. cockerels for sale. Mrs. A. L. Scott, Route 1, Larned, Kans.

## Incubators and Brooders

If you want a good incubator in a hurry write to the undersigned. He keeps the Old Trusty Incubator (hot water) and the Compound (hot air), two of the best incubators made. Also the Zero Brooder, no better made. It pays to buy a good brooder. No use hatching chicks without a good brooder to raise them. The Zero will raise every chick you put in it.

THOMAS OWEN, Sta. B, Topeka, Kans.

## Hatch Chickens by Steam

Stahl "Wooden Hen" and "Excelsior" incubators assure big hatches. Well-built, reliable, practical—thousands in use. Catalogue free. GEORGE STAHL, Box 43, Quincy, Ill.

### Get My Book

with its help, aided by QUEEN INCUBATORS AND BROODERS. Tens of thousands of poultry raisers are RAISING MORE CHICKENS, AND MAKING MORE MONEY than ever. Five sizes, \$5 to \$15.00, and I pay the freight. FIVE YEAR GUARANTEE AND NINE-TY DAYS FREE TRIAL. Write for Book No. 88, Queen Incubator Co., Lincoln, Neb.



MAKE YOUR HENS LAY MORE EGGS at a cost of only 3c per 50 hens and that while other hens are laying. Write; enclose stamp for a trial—it will convince you.

N. L. WEBB, I-32, Lamasco, Texas.

### Scotch Collies.

SCOTCH COLLIES—Pups and young dogs from the best blood in Scotland and America now for sale. All of my brood bitches and stud dogs are registered, well trained and natural workers. Emporia Kennels, Emporia, Kans. W. H. Richard.

COLLIE pups and bred bitches for sale. W. B. Williams, Stella, Neb.

### Scotch Collies.

Fifty-seven Collie puppies just old enough to ship. Place your orders early, so you can get one of the choice ones. Walnut Grove Farm, Emporia, Kans.

SCOTCH COLLIES of the very best breeding, have the intelligence of a human. For particulars address: DEER LAKE FARM, SEVERY, KAN.

stock be now fitted for market if a profit is to be realized or a loss avoided. The wide-awake farmer is he who will so combine his feed stuffs as to attain the best results at the least expense. Perhaps the best way this can be done will be to use Chico Feed which is advertised in another column by the Chickasha Cotton Oil Co., 136 Livestock Exchange, Kansas City, Mo. Read the editorial on the "Feeding Value of Cottonseed-Meal" in last week's issue and write for prices and other information.



## The Veterinarian

We cordially invite our readers to consult us when they desire information in regard to sick or lame animals, and thus assist us in making this Department one of the most interesting features of The Kansas Farmer. Kindly give the age, color, and sex of the animal, stating symptoms accurately, and how long standing, and what treatment, if any, has been resorted to. All replies through this column are free. In order to receive a prompt reply, all letters for this Department should give the inquirer's postoffice, should be signed with full name and should be addressed to the Veterinary Department, The Kansas Farmer, Topeka, Kans.

**Sow Has Lump Under Her Jaw.**—I have a large brood sow which has a lump under her jaw as large as my fist, which breaks and runs occasionally, but does not go away. What will cure it? M. E. A. Dickinson County.

**Ans.**—Have a qualified veterinarian operate on her and remove it. Have her prepared for the operation on a cool day and if he understands it and does it quick there will not be much risk in doing it.

**Symptoms of Tuberculosis.**—I have a cow that is very poor in flesh, and she will not take on any, with any kind of feed. She eats well, has good teeth, and we have been milking her for six months. In reading THE KANSAS FARMER I see so much about tuberculosis, and I wonder if such a disease could be the cause of her being that way. What are the general symptoms of tuberculosis? C. L. J. Langley, Kans.

**Ans.**—The symptoms of tuberculosis are a dry, short, interrupted, hoarse cough, which the sick animals manifest, especially in the morning at feeding time, still more after somewhat violent exertion. At first these animals may be full-blooded and lay on a considerable amount of fat when well fed. As the disease progresses they grow thin and show more and more those appearances which indicate diseased nutrition, such as a staring, lusterless, disheveled coat, dirty, tense skin, which appears very pale in those regions free from hair. The temperature of the skin is below normal. The loss of fat causes sinking of the eyes in their sockets. They appear swimming in water, and their expression is weak. The cough is more frequent, but never, or very rarely, accompanied with discharge. The body continues to emaciate even with plenty of food and a good appetite, so that the quantity of milk is small. At times in the early stages of the disease, still more in the later stages, the diseased animals manifest considerable tenderness when pressure is applied to the front or sides of the chest, by coughing, moaning, etc. Often all symptoms are wanting in spite of the existence of the disease. A disease so varied in its attack upon the different organs of the body and in the extent of the disease process must necessarily lead to mistakes when diagnosis is attempted by the ordinary means of examination. The tuberculin test, which is marvelously accurate in its indications, has been almost universally adopted for the detection of tuberculosis.

**Hair Came Out of Horse's Tail.**—I have a horse, 3 years old. When he was about 6 months old the hair all came out of his mane and tail. The next spring it all came out again. Then it grew to a good length and this fall it all came out again, leaving the tail bare. There seems to be a mange on his tail and mane. I have tried dips, soapsuds, and salt. I have fed him stock foods and condition powders, but none seems to do any good. Can you recommend anything that will do any good? N. H. Burr Oak, Kans.

**Ans.**—Take tincture of cantharides three ounces, aqua ammonia, 2 ounces, alcohol six ounces, glycerine twelve ounces; mix and apply once a week. During the hot weather give him a tablespoonful of Fowler's solution twice a day in feed of oats and bran for three weeks.

Our subscriber, Mr. D. A. Zech, of Republic County, writes, in substance, as follows: "Now that the election is over, I want to renew my subscription for THE KANSAS FARMER for three years. We are having beautiful

## Farmers Exchange Column

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

### Agents Wanted.

**WANTED**—Local agents to take orders for a complete line of high grade western grown nursery stock. Permanent position. Experience unnecessary. Outfit free. Cash weekly. National Nursery, Lawrence, Kans.

### Cattle.

**ALYSDALE SHORTHORNS**—2 bulls, one 15 months, one 12 months old, and 10 cows and heifers, bred or with calves at side. All finely bred. Priced right. Come and see them. C. W. Merriam, Columbian Bldg., Topeka, Kans.

**FOR SALE**—Three choice Holstein-Friesian bulls of different ages. Walter Pleasant, Ottawa, Kans.

**SHORTHORN BULLS**—From 8 to 24 months old. I will also sell my herd bull, Odin 250623 by Imp. Lord Banff, dam Imp. Eldeweiss. Good individuals. Prices reasonable. John Regier, Whitewater, Kans.

**DISPERSON AUCTION SALE OF THOROUGHBRED SHORTHORN CATTLE**—The undersigned has decided on account of ill health to close out his entire herd of Shorthorn cattle, and will sell at public auction at the fair grounds, Abilene, Kans., on Wednesday, Dec. 9, commencing at 10 a.m. sharp the following property: 100 head Shorthorn cattle, consisting of 40 cows with calves at their sides; 13 three-year-old heifers in calf; 29 past yearling heifers, balance calves. Geo Channan, Abilene, Kans.

**WANTED**—3-year-old dehorned native steers in car lots for spring delivery. Santa Fe or Missouri Pacific shipments. A. C. Nickel, Reading, Kans.

**A SHORTHORN BARGAIN**—Pride of Wayne 22331 and 6 spring bull calves of his get for sale. All from Scotch topped dams. Pride of Wayne is a splendid individual weighing 1900. Would exchange him. H. H. Hedderman, 710 Polk Street, Topeka, Kans.

**FOR SALE**—One 2-year-old Double Standard Polled Durham bull eligible to registry. G. A. Bushong, Richland, Kans.

**STEERS FOR SALE**—65 Shorthorns, 1100 lbs.; 47 Herefords, 1100 lbs.; 72 Angus, 1000 lbs. All selected high grade natives, low, blocky and extra fleshy. Jos. L. Ball, Fairfield, Iowa.

weather and the farmers are busy getting their corn out. The yield is from 25 to 30 bushels per acre on an average. Wheat went 30 to 35 bushels to the acre, and everything seems to be in a prosperous condition here. Land is selling at from \$60 to \$75 per acre six and eight miles from town. The average yield of corn mentioned above is considerably above the average for the State.

(First published in The Kansas Farmer, December 3, 1908.)

### NOTICE.

Notice is hereby given that we, the undersigned commissioners hereunto duly appointed by the Honorable A. W. Dana, Judge of the District Court of Shawnee County, Kansas, will on the 8th day of January, 1909, at 10:30 o'clock a. m. proceed according to law for the Topeka-Southwestern Railway Company along its route as now located from a point on said line to-wit: 25 feet North of intersection of the center line of Bolles Avenue and the North line of 21st Street thence following the line as now located to the East Line of Kansas Avenue, thence from Engineer Station 83+55.6 Easterly to Missouri Pacific right-of-way, thence Southerly to Engineer Station 78+53, all in the City of Topeka, Shawnee County, Kansas.

Also, we the said commissioners will at 1:30 o'clock p. m. on the 14th day of January, 1909, proceed according to law for said Topeka-Southwestern Railway Company along its route as now located from a point on said line, to-wit: 947.7 feet East of and 440 feet South of the Northwest corner of Southwest quarter (S. W. ¼) Section eighteen (Sec. 18) Township twelve (T. 12) South Range fifteen East (R. 15 E.), being Engineer Station 393+25.5, thence through said Section 18 and Section 13, Township 12, S. R. 14 East to Engineer Station 409+59, Westerly in Shawnee County, Kansas.

To lay off all lands necessary for the route for said railroad and all such land as may be deemed necessary for side tracks, depots, work shops, water stations, material for construction, except lumber, the right-of-way over adjacent lands sufficient to enable said Company to construct and repair its road and stations and a right to conduct water by aqueducts and the right of making proper drains and appraise the value of that portion of any quarter section or other lot of land so taken and assess the damages thereto, which said lands desired by said Railway Company are particularly shown by the maps and profiles of said Company's line of railroad in said County, filed in the office of the County Clerk of said County. We will commence to lay off said route as aforesaid on the line of said Company's railroad as located at said point on its line, to-wit: 25 feet North of intersection of the center line of Bolles Avenue and the North line of 21st Street, on said 8th day of January, 1909, at 10:30 a. m. of said day, and will commence to lay off said route as aforesaid on the line of said Company's railroad as located at said other point on its line, to-wit: 947.7 feet East of and 440 feet South of the Northwest corner of Southwest quarter (S. W. ¼) Section eighteen (Sec. 18) Township twelve (T. 12) South Range fifteen East (R. 15 E.), being Engineer Station 393+25.5, on said 14th day of January, 1909, at 1:30 p. m. of said day. And will adjourn from time to time until our labors in this behalf are completed.

Dated the 27th day of November, A. D. 1908.

F. C. BOWEN,  
C. E. JEWELL,  
A. T. LUCAS.

When writing our advertisers please mention this paper.

## Snaps in Eastern Kansas Farms

155 acres in Osage County, 4 miles good town, good 6-room house, barn, chicken house, sheds, outbuildings, feed lots, fenced, good orchard, rural route, telephone, ¼ mile to school. Easy terms.....\$8,000  
80 acres; 40 in cultivation, 40 meadow and pasture, 5-room house, barn, chicken house, other outbuildings, all fenced, well watered, 1 mile to school, on rural route, telephone. Easy terms.....\$3,500

Address, H. P. RICHARDS, Rooms 205-7 Bank of Topeka Bldg., Topeka, Kansas

### Swine

**56 PURE-BRED DUROC** sows, shoats and pigs not registered, at public sale Wednesday, November 25, 1908. G. G. Burton, Topeka, Kans.

**FOR SALE**—Very fine boar pig sired by Frank Winn's Meddler 2d, is now ready for service. Cannot use him in my herd; if you want a fashionably bred one at a bargain price, write at once. J. W. Ferguson, Route 1, Topeka, Kans.

### Horses and Mules.

**BELGIAN, PERCHERON, SHIRE** stallions—I am selling imported horses from \$800 to \$1000; home-bred \$300 to \$600. Frank L. Stream, Creston, Iowa.

**SHIRES, PERCHERONS, BELGIANS**—Best imported horses \$1000 each; home-bred \$350 to \$750. Also Percheron mares. A. Latimer Wilson, Creston, Ia.

**FOR SALE**—One black pedigree standard bred stallion, Patriotta 41836, weight 1250 lbs.; best breeding, two crosses with Wilkes and two with Nutwood. Address Sam Brockman, Marysville, Kans.

**SHEPHERD PONIES** for sale. Write for price list. C. R. Clemens, Waldo, Kans.

### Seeds and Plants.

**WANTED**—Alfalfa, red clover, timothy, English blue grass, millet, cane, sweet corn and other seeds. If anything to offer, please correspond with us. The Barteldes Seed Co., Lawrence, Kans.

### Wild Birds.

**WANTED ALIVE**—Big, white whooping cranes, blue sandhill cranes, wild swans, wild geese, wild ducks, partridges, quail, prairie chickens, wild turkeys, fox squirrels, white and black squirrels, otters, beaver, etc. Dr. Cecil French, Naturalist, Washington, D. C.

### Miscellaneous.

**TOBACCO HABIT CURED OR NO COSTS**—Safe, sure, permanent. NIKO Company Cure, Wichita, Kans.

**MEND YOUR OWN PAILS AND KETTLES** with Magic Solder, over candle, lamp or fire. No acid required. Money refunded if not satisfied. Send 25c to Magic Solder Co., Seneca, Kans.

**RATS! RATS!** Terrible pests. Rid yourself of them. We will show you how. They will disappear completely; no trickery, no traps, no poison. Our EXTERMINATOR drives them away "for good." Success assured. Send \$1 for the exterminator, and have peace. Rodent Exterminator Co., Room 9, 1410 G St., N. W., Washington, D. C.

**DAIRYMEN AND FEEDERS**—I can make prompt shipment of cottonseed-meal, oil-meal and other feed. Cottonseed-meal contains the highest per cent of protein of any feed on the market. J. C. Shimer, Topeka, Kans. Long distance phones 471.

**THE ANDERSON-ARMSTRONG CO.**, Topeka, Kans., has northern grown Ohio seed potatoes in quantities to suit. Also storage for same. See them before you buy.

**FARMERS** who want to make money during spare time at home this winter, write The Health Co., Topeka, Kans.

**COMB HONEY**—10c per pound, cases net 19 to 21 pounds. A. S. Parson, Rocky Ford, Colo.

**Hedge Posts** Want to sell 20 car loads of hedge posts all sizes and all prices. W. H. Bitts, Melvern, Kans.

**HONEY—ALFALFA**—Two 66-lb. cans \$3.50; single can \$4.50. W. P. Morley, Las Animas, Colo.

**WANTED TO BUY**—A good second-hand hay press. Self feed. Sandwich preferred. Must be in good running order and price right. Grant Ewing, Blue Rapids, Kans.

**AUCTION SCHOOLS**—Learn auctioneering. Illustrated catalogue free. Carpenter's Auction School, Trenton, Mo.

**BED WETTING CURED.** 25c p'k'g FREE. C. H. Rowan, Dept. 93, London, Can.

**JOB PRINTING** Write us for prices on anything in the job printing line. Address B. A. Wagner, Mgr., 625 Jackson Street, Topeka, Kans.

### Real Estate.

320 acre farm for sale. For description, write owner, Wm. Mayes, Hartford, Kans.

**FOR SALE**—Improved farms seeded to clover and wheat. Rural route, telephone, school, good neighborhood; 100 miles to Kansas City. Terms. A. C. Nickel, Owner, Reading, Kans.

**KANSAS FARM BARGAINS**—320 acres Greenwood County, two-thirds cultivated; 6-room house, full set outbuildings; wells, ponds, no waste land; \$37.50 per acre. 1440 acres, Lane County, 500 in cultivation; 6-room house, large barn, outbuildings, wells, ponds; 7 miles to town; \$16.50 per acre. Other farms, large or small, in any part of Kansas. All priced low. Write for descriptions. We can fill your wants. Address Jno. T. Chaney & Co., Topeka, Kans.

**FOR SALE OR EXCHANGE**—Thirty acres land on street car line, joining city of Atchison on east and an amusement park on the west. Platted to sell in lots and acre tracts. Owner, Address Lock box 384, Atchison, Kans.

**280 ACRES**—180 acres in cultivation, 10 acres in pasture, 40 acres alfalfa, 20 acres of which is hog light; 7-room residence, large barn for 18 head of horses and 20 head of cattle, haymow, corn crib and granary, implement shed, large hog house with plank floor and large cement feeding floor under cover; these buildings are all nearly new and in first class repair; lots of shade, large orchard. This farm is all river bottom land, a dark sandy loam, and is an excellent alfalfa and corn farm, located 2 miles from good railway town. Price \$13,000. The Nelson Real Estate & Imp. Co., 137 N. Main, Wichita, Kans.

**FOR RENT**—Stock and fruit farm. Well improved; near depot. About 190 acres. Write Box 60, Falls City, Nebraska.

### Real Estate.

**640 ACRES**—Good improvements, well watered, close in, \$25 per acre. Good improved quarter, good location, 80 acres of wheat goes; price \$8,750. Write for farm list and map. Garrison & Studebaker, McPherson, Kans.

**FARM LOANS** made in any amount from \$500 up, at lowest rates and on most favorable terms. Better Realty & Loan Co., Columbian Bldg., Topeka, Kans.

**FOR SALE OR EXCHANGE**—640 acres of land in Pawnee County, Kans.; 500 acres in cultivation, and good improvements; 300 acres now in wheat. Address Owner, Lock Box 384, Atchison, Kans.

**WANTED**—Cultivated wheat land, no buildings, not over 5 miles from shipping point, not west of Norton or Ford counties. E. L. Hull, Manhattan, Kans.

### FOR SALE.

A farm. Bargain. 235 acres fine crop land. Fair improvements. Only \$35 per acre.

I. M. NEVILLE,  
Lawrence, - - - Kansas

**SOMETHING CHOICE**—160 acres 1¼ miles south-west of Lafontaine, Kans., creek bottom land of the very best quality, never overflows, all in cultivation except 10 acres in pasture, well fenced with hedge and wire, splendid wheat, corn and alfalfa land, good 7-room house with porches and cellar, good outbuildings, barn for 8 head of horses, large corn crib, small orchard, everything first-class. This is one of the best farms in southeast Kansas. Price \$45 per acre. C. R. Cantrall, Fredonia, Kans.

**FOR SALE**—200 acres land; 65 in orchard, 65 cult., balance in pasture; 3 miles west of Atchison; parallel road. Address Lock Box 384, Atchison, Kans.

**FINEST FARMS** in Kansas, Missouri and Texas. Special bargains in Ottawa County. Quality and prices guaranteed. Write us your wants. Ed H. Davis & Co., Minneapolis, Kans.

**ARKANSAS**—"Don't you wish you had bought when you were here before?" That is what they all say; and then, buy before it doubles up again. What have you got that half equals it? You can't find it in America. Think of the money bags being hauled in by a single farmer. Threshing and hauling \$1000 a day, and more—getting the cash the same day. We have other propositions that will beat your best; besides, the best climate, best roads, best water and fine people, and anything else you want. I own the cheapest land on Grand Prairie and can make you terms—won't price you out. Also, find timber lands. F. W. Houston, Stuttgart, Ark.

**\$15 AN ACRE** Illinois land in South Texas. Rich soil, plenty rain; no rheumatism. Write for "Facts." John Van De Mark, Houston, Texas.

**I SELL FARMS** in OCEANA, the best County in the United States. Fruit, grain, and stock. Write for list. J. D. S. Hanson, Hart, Mich.

**FOR SALE**—80 acres of creek bottom land 80 rods from town, 40 rods from large cement mill in Ellis County, Kans., at a sacrifice. A. Disch, Holington, Kans.

**BARGAINS**—80 acres good land, 55 cultivated, 5 alfalfa, 6-room house, barn, good orchard. Price \$4000. Very good terms. All kinds and sizes. Write for lists. Garrison & Studebaker, Salina, Kans.

**FINELY IMPROVED** 60-acre farm across the road from school, for \$2500. Write for descriptions of farms in the banner stock country of Kansas, Hurley & Jennings, Emporia, Kans.

**QUARTER SECTION** of practically all nice smooth land, nearly all in cultivation, small improvements, 3½ miles to town. For only \$40 per acre. Dayton Land Co., Abilene, Kans.

**DO YOU WANT A HOME?**—We have 100 of the best farms in Southeastern Kansas on the easiest terms of any land sold in the State. Send for copy of the Southeastern Kansas Homeseeker, the best monthly land paper published—It is free. Address The Allen County Investment Co., Longton, Kans.

**QUARTER SECTION** of fine land in Sherman County, close to Goodland, to trade for part horses, cattle or mules. T. J. Kennedy, Osawatomie, Kans.

**WE CAN GET YOU** what you want in exchange for your farm, hardware, merchandise or other property. We have 800 propositions to choose from. Graham Bros., Eldorado, Kans.

**LAND FOR SALE**—Three upland farms in Jefferson County. One highly improved. Also wheat land in Gove County. J. F. True, Perry, Kansas.

**BARGAIN**—40 acres good land in alfalfa. Good, full water-right, south line is city limit, 100 yards to city cement walks, 300 yards to city school, ¼ mile to beet sugar factory, population 3000, climate healthy. We have U. S. Naval Sanitarium. Price \$6,000. For terms and further particulars write owner, W. P. Morley, Las Animas, Colo.

### MISSOURI FARMS for SALE.

Everman has a farm for every man. Write for description and price list.

John W. Everman, -:- Gallatin, Mo.

## The Stray List

November 19.

Montgomery County—E. H. Stewart, Clerk. **STEER**—Taken up, October 28, 1908, by Etta Mason, in Bolton, one 2-year-old steer; white face, an underbit in right ear and small split in left ear, and left ear slightly cropped.

November 26.

Kiowa County—J. H. Olinger, Clerk. **STEERS**—Taken up in July, 1908, by Murry Brower, in Butler tp., one red steer, two red and white spotted steers, 2 years old, branded S on left hip, swallow fork cut off each ear.

Dickinson County. **HORSES**—Taken up, October 10, 1908, by H. R. Betz, in Rinehart tp., two horses, ages unknown, one sorrel and one bay, having the following brand: Anchor and cross on right hind leg and on hoof. The sorrel has figure (9) nine, and the bay figure (2) two.

December 3.

Wilson County. **HEIFER**—Taken up, August 27, 1908, by A. Burdett, in Cedar tp., one red heifer, age 1 year, no marks or brands.



# Poland-China and Shorthorn Breeders Sale

AT FAIR GROUNDS, CHANUTE, KANS., FRIDAY, DECEMBER 18.

## 40 POLAND-CHINAS 40

Of the large and medium kinds, representing some of the best sires of both types. There will be choice proven sows, extra good fall yearling gilts, choice spring and winter gilts, and a few topky spring boars. Females of breeding age will be bred for early spring farrow to big type boars. These are presented by Pelphrey Bros. & Sons and Jewel Bros., of Humboldt, Kans., and will be in the pink of condition.

## 20 SHORTHORNS 20

Consisting of excellent young cows, some choice 1 and 2 year old heifers, and a few good young bulls. Among these are some Scotch and Scotch-topped individuals of merit, including the imported cow Rowan. The consignors are E. S. Myers, Chanute; A. B. Mull, Iola; J. T. Bayer, Yates Center; Laude & Son, Rose; Jewel Bros., Humboldt; and Geo. McFadden, Benedict, Kans., which is a guarantee of the quality of this offering which will be well fitted and in the most useful condition.

Sale will start at 10 a. m. See descriptive advertising on another page. Bids may be sent to L. K. Lewis in our care. For catalogues and information address:

J. W. PELPHREY, Humboldt,

or

E. S. MYERS, Chanute, Kans.

# Breeders' Sale of Herefords

Live Stock Pavilion, State Fair Grounds

Topeka, Kan., Dec. 16

—CONSIGNED BY—

ROBERT A. STEELE, Richland, Kans.	L. L. VROOMAN, Topeka, Kans.
J. P. SANDS & SONS, Walton, Kans.	A. E. METSKER, Lone Star, Kans.
T. P. WHITTENBURG, Pleasant Hill, Mo.	L. P. LARSON, Powhattan, Kans.

Good Sons and Daughters of Notable  
Sires and Dams

Twenty bulls are included in this offering. A strong, vigorous lot, in excellent breeding condition. Many of them are great prospects and are good enough to go anywhere. Bred right, raised right, and we feel sure that they will go out and "make good."

There are twenty-two choice cows and heifers, many of them with calves at foot. Every tried cow is a good producer as their calves will show, and being bred again, it practically gives the purchaser three head in one lot. They are large, roomy cows, good lookers and good doers. The kind that make money for their owners. Breeders, ranchmen, and farmers will find this a very desirable offering to secure first-class breeding stock, representing the breeding of Princes, Beau Brummel, Lamp-lighter, March On 6th, Java, and others of equal note.

Write for catalogue.

L. L. Vrooman, Mgr., Topeka, Kan.

Col. Jas. W. Sparks, Col. Chas. M. Crews, Auctioneers.

# GALLANT KNIGHT SHORTHORNS

AT AUCTION.

Osborne, Kans., Thursday, Dec. 10

Consisting of the great herd bull,

SCOTTISH GLOSTER 236978

and three of his yearling bulls. Also five yearling bulls of Gallant Knight blood. And

22 SCOTCH AND SCOTCH TOPPED FEMALES,

16 of which were sired by one of Gallant Knight's best son's. All females are bred and safe in calf to Scottish Gloster or to Highland Laddie 243179, he by Gallant Knight.

A great offering of Gallant Knight blood and a

RARE BARGAIN IN SCOTTISH GLOSTER.

Catalogues ready. Twelve months on bankable paper. Address

WILLIAM WALES,

Osborne, - - - - - Kansas

John Brennan, Auctioneer.

## PURE-BRED STOCK SALES.

### Shorthorns.

Dec. 10.....Wm. Wales, Osborne, Kans.  
Dec. 18.....E. S. Myers and others, at Chanute, Kans.  
Jan. 13.....Shawnee Breeders' Association Shorthorn sale, State Fair Grounds, Topeka, I. D. Graham, secretary.  
Feb. 16.....J. W. Knowles & Son, Craig, Neb.  
Feb. 17.....J. F. Stodder, Wichita, Kans.  
Feb. 17.....J. C. Robison, Mgr., Wichita, Kans.  
June 10.....C. S. Nevius, Chiles, Kans.

### Herefords.

Dec. 16.....Breeders sale of Herefords, State Fair Grounds, Topeka, Kans., L. L. Vrooman, Manager, Topeka, Kans.  
Mar. 3, 4.....Dispersion sale of Cornish & Patten, Herefords at Osborn, Mo., to settle Patten's estate.  
April 27.....Samuel Drybread, Elk City, Kans.  
Poland-Chinas.  
Dec. 5.....G. W. Roberts, Larned, Kans.  
Dec. 7.....H. N. Holdeman, Meade, Kans.  
Dec. 15.....Frank Huddleston, Ado, Kans.  
Dec. 17.....Frank Krohlow, Lebanon, Kans.  
Dec. 18.....Pelphrey Bros. & Sons and Jewel Bros., at Chanute, Kans.  
Jan. 19.....T. A. McCandless, Bigelow, Kans.  
Jan. 19.....A. W. Shriver, Cleveland, Kans.  
Jan. 21.....J. H. Harshaw, Butler, Mo., at Sedalia, Mo.  
Jan. 25.....Frank Michael, Erie, Kans.  
Jan. 27.....Homer L. McKelvie, Fairfield, Neb.  
Jan. 28.....W. H. Johnston, Frankfort, Kans.  
Feb. 3.....F. G. Nies & Son, Goddard, Kans.  
Feb. 4.....W. W. Martin, Anthony, Kans.

Feb. 4.....H. O. Sheldon, Wichita, Kans.  
Feb. 9.....Kivett Bros., Burr Oak, Kans.  
Feb. 10.....W. W. Wheeler, Harlan, Iowa  
Feb. 10.....Albert Smith & Son, Superior, Neb.  
Feb. 10.....Lemon Ford, Minneapolis, Kans.  
Feb. 11.....C. S. Nevius, Chiles, Kans.  
Feb. 12.....Geo. Wedd & Son and C. S. Nevius at Spring Hill, Kans.  
Feb. 12.....D. A. Wolfersperger, Lindsey, Kans.  
Feb. 13.....Thos. F. Walker, Alexander, Neb., at Fairbury, Neb.  
Feb. 13.....Frank Georgia, Mankato, Kans.  
Feb. 17.....John Book, Talmage, Kans.  
Feb. 18.....J. C. Larrimer, Wichita, Kans.  
Feb. 18.....J. B. Bower, Talmage, Kans.  
Feb. 22.....W. C. Toplitz, Eabon, Kans.  
Feb. 24.....Logan & Gregory, Beloit, Mo.  
Feb. 25.....H. H. Harshaw, Butler, Mo.  
Feb. 25.....W. A. Frewett, Asherville, Kans.  
Feb. 26.....C. H. Pilcher, Glasco, Kans.

### Duroc-Jerseys.

Dec. 15.....John W. Jones, Emporia, Kans.  
Jan. 5.....J. H. Gayer, Cottonwood Falls, Kans.  
Jan. 19.....Jas. L. Cook, Marysville, Kans.  
Jan. 25.....W. C. Whitney, Agra, Kans.  
Jan. 26.....Bred Sow sale, Coppins & Worley, Potwin, Kans.  
Jan. 26.....Ward Bros., Republic, Kans.  
Jan. 27.....J. C. Logan, Onaga, Kans., at Havensville, Kans.  
Jan. 28.....Samuelson Bros., Manhattan, Kans.  
Feb. 1.....W. T. Fitch, Minneapolis, Kans.  
Feb. 2.....Pearl H. Pagett, Beloit, Kans.  
Feb. 3.....Jno. W. Jones & Son, Concordia, Kans.  
Feb. 3.....G. W. Colwell, Summerfield, Kans.  
Feb. 4.....J. E. Joines, Clyde, Kans.  
Feb. 5.....Grant Chapin, Green, Kans., at Manhattan, Kans.

Feb. 6.....G. M. Hammond and K. S. A. C., Manhattan, Kans.  
Feb. 9.....B. F. Porter, Mayfield, Kans., at Caldwell, Kans.  
Feb. 9.....Thompson Bros., Garrison, Kans.  
Feb. 9.....H. Metzinger, Caldwell, Kans.  
Feb. 10.....T. E. Goethe, Leonardville, Kans.  
Feb. 11.....Ola Nordstrom, Clay Center, Kans.  
Feb. 11.....J. F. Stodder and Marshall Bros., Burden, Kans.  
Feb. 12.....L. E. Kretzmer, Clay Center, Kans., at Emporia, Kans.  
Feb. 13.....Frank Georgia, Mankato, Kans.  
Feb. 15.....J. A. Rathbun, Downs, Kans.  
Feb. 16.....D. O. Bancroft, Downs, Kans.  
Feb. 17.....R. G. Sollenburger, Woodston, Kans.  
Feb. 18.....John W. Jones & Son, Concordia, Kans., at Emporia, Kans.  
Feb. 18.....E. M. Myers, Burr Oak, Kans.  
Feb. 19.....H. B. Miner and A. T. Cross, Guide Rock, Neb., at Superior, Neb.  
Feb. 23.....A. B. Skadden & Son, Frankfort, Neb.  
Feb. 23.....Wm. Sutter, Liberty, Neb.  
Feb. 24.....James M. Williams, Home, Kans.  
Feb. 24.....R. B. Marshall, Willard, Kans.  
Mar. 9.....Samuel Drybread, Elk City, Kans.  
Mar. 10.....T. J. Woodall, Fall River, Kans.

### O. I. C.

Dec. 10.....S. W. Arts, Larned, Kans.  
Feb. 19.....Isaac Briggs, Minneapolis, Kans.

### Horses.

Feb. 16.....J. C. Robison, Mgr., Wichita, Kans.

### Jacks and Jennets.

Mar. 1.....W. J. Finley, Higginsville, Mo.  
Mar. 2.....L. M. Monsees & Sons, Smithton, Mo.  
Mar. 3.....Walter Petty, Sedalia, Mo.

## Combination Sales.

Feb. 10, 11, 12.....Improved Stock Breeders Association of the Wheat Belt, sale at Caldwell, Kans., Chas. M. Johnston, manager.  
Feb. 16, 17, 18.....J. C. Robison, Mgr., Towanda, Kans., at Wichita, Kans.  
Dec. 17, 18.....Improved Stock Breeders Association of the Wheat Belt, sale at Anthony, Kans., H. E. Fisher, Danville, Kans., manager.

## About Stock Dips.

The writer has used about ten or twelve different kinds of live stock dip and has found some of them excellent, some fair and some—made to sell. A long time ago he got a can of Car-Sul dip and used it with satisfaction. Then he tried another kind and found it a dip but it lacked something. Since then he has tried many kinds and lost faith in their being of the old time quality. It then occurred to him to try the old Car-Sul again and see if it was the same. He did so and found it better than ever. He is now using it with greater satisfaction than at first, and finds it leaves nothing to be desired. Car-Sul is made by the Moore Chemical Co., 865 Southwest Boulevard, Kansas City, Mo., and is one of the oldest products of its kind. This company also manufactures fly-kill and a separate dip for each class of live stock, cattle, hogs, sheep, poultry, etc., and all are good.



**DUROC-JERSEYS**

**SPRING BOARS AT REDUCED PRICES.**  
Satisfaction guaranteed or money refunded. Bred sows and fall pigs. C. O. Anderson, Manhattan, Kas.

**Jackson's Durocs.**

Some extra good, well grown spring boars, Ohio Chief, Orion, W. L. A.'s Choice Goods blood lines. 1 fancy double cross Ohio Chief fall boar, and a few bred sows at right prices.

O. L. JACKSON, New Albany, Kans.

**Williamson's Durocs.**

Herd headed by Chief Orion 76941 by Ohio Chief. Choice spring boars and gilts at right prices. Some choice fall litters for sale later.

W. H. WILLIAMSON, Raymond, Kans.

**CROW'S**

**DUROCS**—140 large early spring pigs, Ohio Chief, Buddy K., Oom Paul, Mo. Wonder and Kant Be Beat blood lines. Extra quality, reasonable prices. Electric cars run within 2 blocks of yards. W. R. Crow, 200 E. Osborn St., Hutchinson, Kans.

**CEDAR LAWN DUROCS**

70 choice well grown spring pigs, and a few extra fall yearling gilts and boars at farmers' prices. F. M. BUCHHEIM, R. 3, LeCompton, Kans.

**STROH'S HERD OF DUROC-JERSEYS.**

70 spring pigs for sale, mostly sired by Hogate's Model, the sweepstakes boar at Nebraska State Fair, 1908, and out of popular breeding dams. Correspondence solicited.

J. STROH, Route 4, DeWitt, Neb.

**HIGHLAND DUROCS.**

100 Choice spring pigs of the best strains and a few fancy gilts bred for fall farrow, at reasonable prices. Farm adjoins town.

L. A. KEELER, Toronto, Kans.

**Durocs and Shropshires.**

Choice Durocs from weanling pigs to mature bred sows \$8 to \$25. Also 25 yearling and early spring Shropshire rams at right prices.

H. H. HAGUE & SON, Newton, Kans.

**200 SPRING PIGS.**

HEADQUARTERS FOR DUROCS; any age, either sex, females sold open or bred. Largest herd in the S. W. Send in your order, we can fill it.

COFFINS & WORLEY, Potwin, Kans.

**Humphrey's**

**DUROCS.** Choice spring pigs, both kinds, of early farrow; Ohio Chief and Improver 3d blood lines. Also Scotch Collies of the best breeding and quality. Prices reasonable. Call or write.

J. S. HUMPHREY, R. 1, Pratt, Kans.

**Walnut Creek Durocs**

150 spring pigs by the herd boars, attractive Chief 61097 and Big Crimson 66418, and other good sires. Choice boars for sale now. T. M. Goethe, Leonardville, Riley Co., Kans.

**Howe's**

**DUROCS.** 100 early spring pigs, the best I ever raised. Improver, Top Notcher, Sensation and Gold Finch blood lines. Call or write.

J. U. HOWE, Wichita, Kans.

**Wooddall's**

**DUROCS.** Choice spring boars, grandsons of Ohio Chief, Tip Top Notcher, Kant Be Beat and Hanley. These are priced to sell.

T. L. WOODDALL, Fall River, Kans.

**Marshall's Durocs**

60 fall and winter, and 80 spring pigs, the best I ever raised, Ohio Chief, Goldfinch, Hunt's Model and Parker Mc blood lines. Farmers' prices. Call or write.

R. B. MARSHALL, Willard, Kans.

**\$15-\$25 Per Head**

for 25 well grown spring farrow boars sired by Fancy Improver, Grand Chief and Roycroft Advance 100. These are the tops from my large herd.

C. W. TAYLOR, Kansas

P. O. Address, R. F. D., Enterprise, Kans.

**College Hill Farm**

Lamar, Mo.

Home of large type Missouri Durocs. Young stock for sale.

D. A. Beamer.

**Chester Thomas'**

**Duroc-Jerseys**

Boars by Nebraska Wonder, the great producer. Also 4 by King of Colonels II, 2 of these are out of Crimson Queen, dam of Vail's Special. Others are by Critic's Redeemer, son of Crimson Critic. These are high class at right prices.

Chester Thomas, Propr.

B. R. Thompson, Mgr. Waterville, Kans.

**BERKSHIRES****Walnut Berkshires**

Choice Boars and Females, Various Ages, For Sale  
Masterpiece Charming 3d, Maria's Ideal 53919 and  
Pride of Winfield 96571 in service.

LEON A. WAITE, Route 8, Winfield, Kans.

**SUTTON FARM BERKSHIRES**

for immediate sale at bargain prices. Choice well grown spring boars and gilts, over 70 good ones to select from; most of these are by Berryton Duke Jr., one of the best breeding grandsons of the great Black Robinhood and out of good dams. Also some extra good yearling boars fit for hard service in good herds.

SUTTON FARM, LAWRENCE, KANS.

**ROSEDALE FARM BERKSHIRES**

Herd by Premier Belle Duke. Choice pigs of both sex for season's trade. Prices reasonable.

J. W. OGLE, Ames, Iowa.

**BAYER'S BERKSHIRES.**

110 Choice spring pigs to select from. Some extra good boars of serviceable age. Also sows bred to Field Marshall and Lee's Masterpiece, at farmer's prices.

J. T. BAYER, Route 5, Yates Center, Kas.

**Guthrie Ranch Berkshires**

The Guthrie Ranch Berkshires herd, headed by Berryton Duke, assisted by Revelation, General Premier and Sir Ivanhoe (all three winners). Berkshires with size, bone and quality. Individuals of style and finish. You will find our satisfied customers in nearly every state in the Union.

T. F. GUTHRIE, Strong City, Kans.

**Ridgeview Berkshires**

—FOR SALE—

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

Route 1, LAWRENCE, Kansas.

**POLAND-CHINAS**

Becker's

POLAND-CHINAS—Bargain prices on choice bred gilts and spring boars. Some extra good September pigs of both sexes at \$8 if taken soon.

J. H. BECKER, Newton, Kans.

Route 7.

Special Prices on Polands

For next sixty days I will make special prices on herds consisting of one boar and four sows. Strong in blood of Corrector and Chief Perfection 2d.

G. W. Allen, R. 4, Tonganoxie, Kans.

Sunny Crest Stock Farm.

Mammoth Bronze turkeys and fine Poland-China male pigs and Jersey calves for sale. Pigs \$10 each, or \$15 per pair. Mrs. Wm. Brite, Route 1, Pierce City, Mo.

WELCOME HERD POLANDS

Bargains for 30 days; choice, large spring boars \$15; gilts \$20. Also fancy sows and gilts bred to Tom Lipton, Topedo, Cyclone or Iron Clad. 250 to select from; stock guaranteed.

J. M. BAYER, Elmo, Kans.

CENTER GROVE POLANDS

80 choice well grown spring pigs, either sex; a few extra good boars richly bred, at rock bottom prices. Call or write.

J. W. Polphrey & Son, Humboldt, Kans.

WALNUT GROVE POLANDS

BARGAIN PRICES on fancy, well grown spring pigs, both kinds; also choice fall gilts and tried sows, richly bred with size, bone and quality.

H. L. Polphrey & Son, R. 5, Humboldt, Kas.

Spring Boars For Sale.

Big stretchy fellows, sired by 900-pound O. K. Prince 42071, out of big dams.

G. M. HULL, Burchard, Neb.

Pickrell Herd—Large Poland-Chinas.

Choice pigs, both sexes for season's trade. The big boned, large litter kind that make the money for the feeder. Write your wants.

B. E. RIDGELY, Pickrell, Neb.

Meisner's Poland-Chinas.

Choice pigs for sale sired by Meisner's Hadley, a son of Big Hadley and grandson of Logan's Chief; out of large well bred sows. Write for prices.

T. J. MEISNER, Sabotha, Kans.

BROWN'S POLAND-CHINAS.

Choice fall boars and spring pigs for season's trade from the richest breeding and individual merit.

C. P. BROWN, Whiting, Kansas.

Highview Breeding Farm

Devoted to the Raising of

Big Boned Spotted Poland-Chinas

The Biggest of the Big—The Prolific kind, Big Bones, Big Hams and Big Spots. 150 Spring Pigs for sale. Pairs and trios no akin.

H. L. FAULKNER, Prop., Box B, Jamesport, Mo.

**BERKSHIRES****POLAND-CHINAS****JOHN BOLLIN,**

Route 5, Leavenworth, Kans.

BREEDS AND SELLS POPULAR Poland-Chinas

The State and World's Fair winning boars, Nemo L's Dude and The Picquet in service. Bred sows and serviceable boars for sale.

O. I. C. SWINE

Sunnyside O. I. C.'s

BARGAIN PRICES on choice well grown young stock both sexes, by the champion Jackson Chief 2d, and out of smooth prolific dams. Call or write.

W. H. LYNCH, Reading, Kans.

OHIO IMPROVED CHESTERS

Ninety pigs of February and March farrow, and sixteen fall boars and gilts. The large deep smooth bodied strong boned easy feeding kind. I pay express, and ship on approval.

N. R. ROGERS, Peru, Neb.

O. I. C. BARGAINS

Bred sows and gilts all sold. Have a fine bunch of spring pigs for which I am booking orders. Write your wants and get prices.

W. S. GODLOVE, Onaga, Kans.

Prop. Andrew Carnegie herd O. I. C. Swine.

Bargains in O. I. C. Hogs

of prize-winning strains. Weaned pigs, either sex \$8 up. Open gilts and boars ready for service, \$10 up. Bred gilts \$15 up. Pedigrees with every hog tracing to Jackson Chief, Kerr Dick, General Kuraki, and others of show winning fame. Breeding circular free.

GLOVER & McGLYNN, Kansas City, Mo.

CHESTER-WHITES

CLOVER RIDGE CHESTER WHITES

Choice pigs from the Garnett and Captain families. The large smooth strong boned, easy feeding kind. Correspondence solicited.

E. S. CANADY, R. 2, PERU, NEB.

TAMWORTHS

Greenwood Stock Farm

TAMWORTHS

Fall sows and spring pigs, both sexes for season's trade. Write for prices.

J. W. Justice & Son, Kalona, Iowa.

Profit Farm Herd Tamworths

Choice Spring Pigs, both sexes, for season's trade, in pairs or trios not related. Special prices on boar pigs. Write your wants.

Jas. P. McCollom, Route 1, Ferris, Ill.

SHORTHORNS

4 SHORTHORN BULLS

From 14 to 30 months old. Three by Nonpareil Star, and one by Imp. Lord Empress, dam Imp. Edelweiss. Good individuals. Prices reasonable.

JOHN REGIER, Kansas

Whitewater, Kansas

BAYER'S SHORTHORNS

Bargain prices on Scotch topped bulls and heifers 6 to 20 months old, by the Scotch bull Baron Rupert 24287 and out of good dams. Stock registered and guaranteed.

J. T. BAYER, Route 5, Yates Center, Kas.

TENNEHOLM SHORTHORNS.

Herd headed by the Duchess of Gloster bull, Glad-lator 261035 and Balmey 275673, a Cruickshank Buttery. Cows of Scotch and Scotch topped Bates breeding. 1 yearling Barmpton bull (a good one) for sale. Will make tempting prices on a few females.

E. S. Myers, Chanute, Kans.

Greendale Stock Farm

25 YOUNG BULLS by Imp. Ardathian Mystery and Best of All for sale at bed rock prices. Can also offer some good Berkshire swine and Shropshire rams. Correspondence solicited.

COL. ED GREEN, Prop., Florence, Kans.

Prospect Farm Shorthorns

The oldest Shorthorn breeders in Kansas. The largest herd of Oriskanyhams in Kansas. Herd headed by Violet Prince 16667 and Orange Commander 26628. Young stock of both sexes and some cows for sale. Quality and price right.

H. W. McAPHER, Topeka, Kansas

RED POLLS

**Coburn Herd of Red Polls**

Choice young stock of both sexes for sale; also a few cows.

GEO. GROENMILLER & SON, Kansas

Pomona, Kansas

Foster's Red Polls.

15 choice young bulls, a few good females and our 2400-lb. herd bull Dandy S. 9147 for sale at bottom prices.

CHAS. FOSTER & SON, Eldorado, Kans.

FAIRVIEW STOCK FARM—Red Polls and Durocs

A number of good strong yearling boars for sale cheap. If interested, send for catalogue, giving breeding and description. Two Red Polled bull calves also for sale.

J. B. DAVIS, Fairview, Brown Co., Kans.

RED POLLED CATTE,

POLAND-CHINA SWINE.

Best of breeding. Write or come and see.

CHAS. MORRISON & SON, R. 2, Phillipsburg, Kans.

HOLSTEIN-FRIESIANS

Braeburn Holsteins.

BULL CALVES—There is a saving in transportation, as well as in raising, by taking them young. Also a few cows to go to make the herd fit the stable. H. B. Cowles, 605 Kansas Avenue, Topeka, Kans.

Holsteins and Jerseys

Choice young stock, heavy milking strains. Some extra good bull calves, either bred.

HUGHES & JONES, Topeka, Kans.

Holstein-Friesian Cattle

Herd headed by Sir Johanna Aggie Lad 34994. His four nearest dams averaged 85.9 lbs. milk one day, 23.6 lbs. butter seven days, 17.824 lbs. milk one year, 727 lbs. butter one year. He is assisted by Calantha Karndike 47877, dam Colantha 4th's Baronsie, A. E. O., 21.18 lbs. butter in seven days as senior 2-year-old, by Sarcastic Lad, out of Colantha 4th, dam of the world's record cow—27,425 lbs. milk one year, 1,247.82 lbs. butter one year. Correspondence solicited. B. L. Bean, Cameron, Mo.

JERSEYS

ANNUAL XMAS SALE

DURING DECEMBER.

Choice young bulls of fancy breeding, Linscott Herd Jersey Cattle.

R. J. LINSOTT, - Holton, Kans.

POLLED DURHAMS

Polled Durhams

FOR SALE.

A choice lot of young Double Standard Polled Durham bulls by Kansas Boy X2585, S-H197989, Senator X5940, 263006 and the grand bull, Belvedere X2712, 196088. Inspection invited.

D. C. VanNise, - Richland, Kans.

GALLOWAYS

Capital View Galloways.

70 Extra good coming 1- and 2-year-old bulls. Herd numbers over 200 head, representing the choicest strains of the breed. Call or write, Geo. E. Clark, 2301 Van Buren St., Topeka, Kans.

SHEEP

Alfalfa Ridge Shropshires

Two choice imported Minton rams at head of flock, 100 unrecorded ewes (all true Shropshires) bred to these rams for February and March lambs. Price \$10.50 per head, f. o. b.; 25 ewe lambs \$6.50 per head, f. o. b. Write your wants. All inquiries cheerfully answered.

H. A. BUSHBY, Kansas

Rydal, Republic Co., Kansas

Shropshire Rams

12 YEARLINGS, big strong fellows, by an imported ram, and out of show ewes. These are well woolled, and in excellent breeding condition and are priced at \$25.

COL. ED GREEN, Kansas

40 SHROPSHIRE RAMS

25 yearlings and 15 spring rams, extra good ones out of good dams and by an Imp. sire. These are thrifty vigorous fellows, not too fat, but just right for service. Prices reasonable, order quick.

JOHN D. MARSHALL, Walton, Kas.



## HORSES AND MULES

## HORSES AND MULES

## HORSES AND MULES

## HORSES AND MULES

AN IMPORTED STALLION IS A  
GOOD INVESTMENT.

—that is, if you buy the right kind, from the right firm at the right price. Our recent importation consists of a fine lot of big, clean, sound and pure-bred

**Percherons, English Shires,  
and Belgians.**

Stallions second to none anywhere, and they are priced right. Remember we have 80 head of stallions of the above breeds to select from. Every one of them imported by us. We also have 20 imported Percheron and Shire mares that we will sell. **DON'T BUY A STALLION** from a firm until you have seen the "Pictorial Story of the Horse." This work shows pictures from life of many of the stallions we recently imported. It's worth having in your home. If interested in stallions, write us for a copy.

**WATSON, WOODS BROS. & KELLY CO., Lincoln, Neb.**



## Breeders' Sixth Annual Sale

**250-HORSES-250**

**Bloomington, Ill., in Coliseum, Feb. 2, 3, 4, '09**

Sale Commences Each Day at 9 A. M.

On Tuesday and Wednesday, February 2 and 3, will sell 150 IMPORTED AND NATIVE BRED Registered Percherons, French Draft, Shire and Clydesdale, Horses, Stallions, Mares and Fillies.

On Thursday, February 4, will sell 100 GRADE DRAFT, TROTTER BRED, Coach, Saddle and All-Purpose Farm Horses, Stallions, Mares and Geldings.

These horses are consigned by the very oldest breeders and importers in the state, and out of the very best families and show herds. We don't claim to have all the prize winners of France, England or Scotland, but we do claim we will give you the real worth of your money.

Parties wishing to sell horses in this sale should make application for entry blanks at once. Entries close December 10, '08. Catalogues ready January 10, '09.

**BREEDERS' SALE CO.,**

C. W. HURT, Manager.

ARROWSMITH, ILL.

### JACKS AND STALLIONS



60 Jacks and Jennets of good ages, Mammoth and Warrior strains, heavy boned, well grown and in first class breeding condition. Also choice young Percheron stallions, all blacks, and will weigh 1600 to 1800 lbs.

Phillip Walker, Moline, Ill. Co., Kans.  
30 years a breeder. Farm 2 miles from town.

### COOK FARMS.

Our shipments of Kentucky Mammoth Jacks and harness stallions have just arrived at our Wichita barn. We have the biggest and best string of Jacks in the West, at the Wichita Fair Grounds.

**J. F. Cook & Co., Lexington, Ky.**  
Branch Barn, Wichita, Kas., J. C. Kerr, Mgr.

### Percherons for Sale

I am offering at private sale four good yearling Percheron stallions; weight from 1300 to 1450 pounds on October 1. Also a few good mares. Call or write.

**J. A. GIFFORD, R. 2, Beloit, Kans.**

**Atchison County Jack Farm**  
Petter, Kans., - F. W. POOS, Prop.

Am offering for sale 9 high class Jacks from 2 to 4 years old, all black, and of my own breeding and raising. Also 4 Percheron horses from 2 to 4 years old. This stuff is strictly guaranteed as represented, and will be priced reasonable. For information address

**F. W. POOS, - Petter, Kans.**

When writing advertisers please mention this paper.

### TANGEMAN'S PERCHERONS



Choice young stallions and a few extra good mares and fillies, all blacks.

**J. H. TANGEMAN,**  
Newton, Kans.

### HEREFORDS

#### Maplewood Herefords

5 topdy bulls of serviceable age and a few choice females, by the 2400-lb. Dale Duplicate, guaranteed and priced to sell. A. Johnson, Clearwater, Kas.

### AUCTIONEERS

**T. E. DEEM,**  
Live Stock Auctioneer



I will cry sales anywhere and my terms are reasonable. Write or wire for dates. Address

**Cameron, - Missouri**

#### Jas. W. Sparks

Live Stock Auctioneer, - Marshall, Mo.  
Twenty Years Selling All Breeds.

**L. H. TJADEN,**  
Live Stock Auctioneer and Breeder of  
O. I. C. Hogs.

Young stock for sale at all times.  
**Garnett, - Kansas.**

## FRANK IAMS'

"peaches and cream" imported stallions and mares arrived August, 1908, by "special train." They are "the cream" of France, Belgium, and Germany—winners and sons of winners" at Paris and Brussels Horse Shows.

### 8—CARS STALLIONS AND MARES—8

"Bryan and Taft boys." Iams "stirred up the animals." At Nebraska State Fair his horses won 25 money and ribbon prizes and 3 gold medals (over all, and over several "Iowa winners"), and some of "Iams' best horses" "barred" from showing.

"Ikey," buy a stallion of Iams this all and save \$300. He "hypnotizes" buyers with "topnotchers." Owing to "hard times," bad crops in Europe, (Iams' cash, his 26 years of experience, he bought and is selling better horses cheaper than ever. Iams has

### 200—PERCHERONS, BELGIANS AND COACHERS—200



2 to 6 years old, weight 1,700 to 2,500 lbs.; 50 per cent blacks; 50 per cent ton stallions. All registered and approved.

Mamma, Iams is a "hot advertiser," but he has "the goods." He sells "toppers" at \$1,000 and \$1,400 (few higher), so good they need not be "peddled" or put on the "auction block" to be sold. Iams' "selling clothes" fit all buyers. No man with money or bankable notes gets away from Iams. He buys, owns, and sells more stallions than any man in the U. S.; saves thousands of dollars to stallion buyers. He is not in the stallion trust. Iams places \$1,500 insurance.

**\$1000--SAVED AT IAMS'--\$1000**

Ikey, what a rich graft these "stallion salesmen" are working on the honest farmer, selling fourth-rate stallions at \$2,000 and \$5,000. Mr. Buyer, see Iams' stallions yourself. Take no stallion salesman's word. "Iams has the goods you read about." His establishment is worth going 2,000 miles to see. Iams' competitors "holler." He is knocking "high prices" out of the Xmas tree. Iams saws wood, "butts in," sells more stallions each year. He makes every statement good.

Georgie, dear, buy a stallion of Iams. His \$1,200 stallions are much better than our neighbors paid those Ohio men \$4,000 for. Then I can wear diamonds.

Iams speaks the languages; buy direct from breeders; pays no buyers, salesmen, or interpreters; has no two to ten men as partners to share profits with. Iams guarantees to sell you a better stallion at \$1,000 to \$1,500 than are sold to stock companies at \$2,500 to \$5,000 by slick salesmen, or pay you \$500 for your trouble, you the judge. Iams pays horses' freight and buy-ers' fare; gives 60 per cent breeding guarantee. Write for million dollar horse catalogue. References: St. Paul State Bank and Citizens' National bank.

## ST. PAUL, NEB.

### Percheron Stallions and Mares for Sale

One Hundred Head. All Blacks. Imported and American Bred.

**J. C. Robison, -:- Towanda, Kans.**

### Shorthorn and Percheron Dispersion at Private Sale

I am offering at private sale my entire herd of registered Percheron horses including 3 stallions and 15 mares. Also my herd of registered Shorthorns consisting of some 40 females, headed by the noted Scotch bull, Royal Gloster 222568. The stallions include Mozart 47610, a 1700-lb. 2-year-old Brillant; Monarque 41055, by Imp. Fantome 43683 and out of Manilla by Imp. Sans Souci 22694, a ton 3-year old, and Imp. Niagra 43905 by Theudis 40871 and out of Giralda. He is a half brother to the undefeated Casino and pronounced by competent judges a better horse. I am pricing my stock to sell.

**O. L. THISLER, -:- CHAPMAN, KANSAS.**

## Administrator's Sale

From the estate of the late J. C. Strong, at

**Moran, Kans., Thursday, December 17, '08**

This will be a complete dispersal of all of his registered horses, jacks, jennets, sheep, and swine, as follows:

The Clydesdale stallion, Kansas Boy 10315, French Draft stallion, Glendine 11707, yearling Percheron stallion, Jay Hawker 51653, 1 Percheron horse colt, Percheron mare, Jessie 50872, Percheron mare, May Lady 50843, yearling filly, Pati 51652, 1 jack 4 years old, 1 jack 7, 1 jack 2, 1 extra good weanling, 8 jennets, Mammoth and Warrior strains; also 80 pure-bred Durocs, 23 Shropshire sheep, 25 high grade Shorthorns and Red Polls, 11 high grade Percheron and Clyde mares, and 2 Kentucky bred saddlers.

Sale will begin at 10 a. m. and will be held at the farm one mile north of Moran; 15 trains daily. Free conveyance to the farm. For catalogues and information address

**W. J. STRONG, Adm., -:- Moran, Kans.**

**Kansas Farmer Advertisers Get Results**





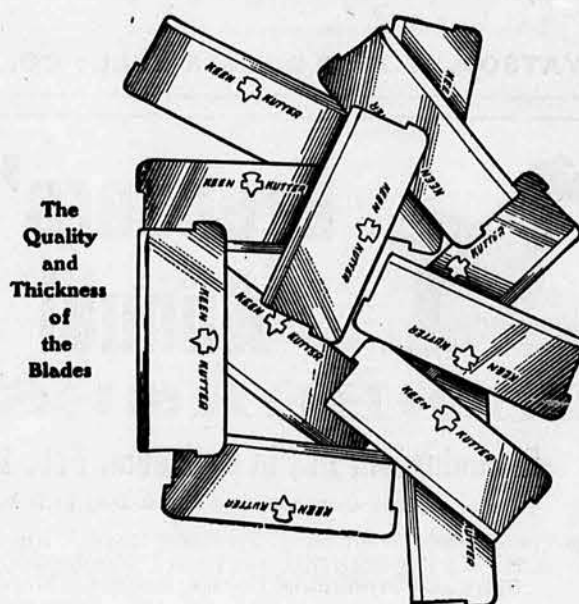
The  
Angle  
of  
the  
Razor

## The Safety Razor Improved to Perfection

One of the exclusive features of the Keen Kutter Safety Razor, wherein it excels all others, is its angle. It is set at the right slope for a comfortable, velvety shave. It can't scrape—it can't slip over the beard—every stroke cuts clean and close without the slightest discomfort to the most tender skin.

This angle is the result of long and patient experimenting and you will find it to be absolutely correct. The angle at which you will naturally hold it is the angle at which it will give you a perfect shave.

The blades are of the well-known Keen Kutter quality. Finest Norwegian Steel, tempered and ground with Keen Kutter accuracy and perfection. Sufficiently thick to allow a smooth, durable edge and rigid enough to prevent any spring or vibration of the blade while shaving.



The  
Quality  
and  
Thickness  
of  
the  
Blades

# KEEN KUTTER Safety Razor



like all tools and cutlery bearing this famous name and trademark is absolutely guaranteed to give perfect satisfaction or your money will be refunded without question.

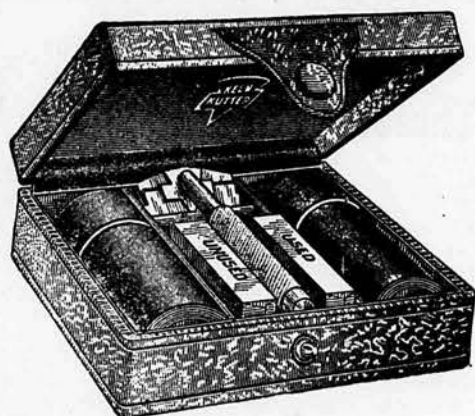
Every razor in a genuine leather case with a dozen blades ready for shaving without honing or stropping.

Made to verify the motto which for 40 years has described all Keen Kutter Tools and Cutlery:

*"The Recollection of Quality Remains Long  
After the Price is Forgotten."*—E.C. Simmons.  
(Trademark Registered)

If not at your dealer's, write us.

**SIMMONS HARDWARE CO. (Inc),**  
St. Louis and New York, U. S. A.



TRAVELING SET.

No. K-2—Silver Plated in genuine Black Leather Case, \$6.50.  
No. K-4—Gold Plated in genuine English Pigskin Case, \$12.00.



No. K-1—Silver Plated in genuine Black Leather Case, \$3.50.  
No. K-3—Gold Plated in genuine English Pigskin Case, \$5.00.