

# KANSAS FARMER

FOR THE IMPROVEMENT

OF THE FARM AND HOME

Volume 49, Number 2

TOPEKA, KANSAS, JANUARY 14, 1911.

Established 1863. \$1 a year.

## Yield and Quality In Kansas Wheat

### *Factors Affecting Both and the Pocketbook as Well*

PROF. W. M. JARDINE, K. S. A. C.

In 1909 Kansas produced approximately eighty-seven million bushels of wheat, more than one-tenth the total output (737 million bushels), of the United States for that year.

To do this some six million acres of the best soil the state can boast, and equal to the best in any state, were required. The average acre yield was 14.5 bushels, with a farm value of \$13.72, while the average acre yield for the United States was 15.8 bushels, with an average farm value of \$17.54 for winter wheat (446 million bu.), and \$14.71 for spring wheat (291 million bu.), showing a difference in favor of the average for the United States of 1.3 bu. in acre yield and a farm value of \$3.72 and \$1 for winter and spring wheat respectively.

In point of total number of bushels of wheat produced Kansas generally stands first among the states of the Union, though in 1909 she was surpassed by Minnesota. In point of average acre yield Kansas ranks thirty-second, being surpassed by every state in the Union save those of the south where wheat production is ill adapted.

The same year (1909), that wheat in Kansas yielded on an average 14.5 bushels per acre such states as Maine, Vermont, New York and New Jersey, produced as an average for the group upward of 20 bushels per acre, Maine and Vermont being at the top, each with an average yield of 26 bushels per acre. Also, this same year, Nebraska, our sister state, made an average yield of 19.8 bushels, 5.3 bushels more than Kansas.

Knowing as we all do that Kansas surpasses every other state in the production of winter wheat, because of its congenial climate for that crop, and knowing, too, that winter wheat, wherever it can be grown, outyields spring wheat, the question naturally arises in comparing these yields, "Why is it that Kansas is thirty-second in rank while Maine, Vermont, etc., states inconsequential as far as wheat production is concerned, at least in comparison with Kansas, are at the very top with double the acre yield?" If we acknowledge Kansas as second to none in point of ideal climate and soil for winter wheat culture—and it is believed that this is generally accepted as true—then certainly her system of farm management—her large farms—her extensive methods of farming—must be responsible for the low yields.

Let us make a few comparisons along this line: In the North Atlantic States, Maine, Vermont, etc., the average farm unit is about 160 acres, one-half to one-third of which is tillable, the remainder being rough, rocky and wooded. Of the sixty to eighty tillable acres probably a third is given over to pasture and hay production (usually timothy), thus leaving only thirty to fifty acres for the production of grain, root and leguminous crops, all of which are grown in rotation. Seldom will one find fields of wheat larger than 10 acres, or a third of the cropping area. In those states every farmer carries live stock, usually dairy cows, hogs, poultry, and a few good brood mares, to which is fed a considerable percentage of the products of the farm, and the manure is returned to the land. As a result of the frequent application of manure to the soil and the produc-

tion of such crops as roots, legumes, potatoes, corn, oats, wheat, etc., in rotation, the soil improves in fertility from year to year, or at least does not go back.

Under the small unit system as above described the owner of the land actually tills his soil and plans his rotations; he is, in other words, both landlord and hired man combined. The elimination of disinterested parties—the hired man or the tenant—from all farming operations, together with the handling of live stock, and the raising of diversified crops in well planned rotations, all of which are

made possible, practicable, and necessary on the small farm, is in the main responsible for the large yields of wheat produced in the North Atlantic States, where wheat enters into the cropping system.

That the above statement is true can be still further verified by the large yields of wheat which foreign countries, such as England, France and Germany—where the small farm is the rule—are harvesting from land that has been cropped for centuries. In those countries barnyard manure is preserved with the greatest care until the opportune time arrives to ap-

ply it to the soil. Manure is gold there; and indeed it should be so considered, because it forms the basis of their agriculture. It is the only means by which it is possible to maintain a permanent agriculture. It is the only means by which Kansas can maintain her agriculture.

From the above statements it can readily be understood why Maine and Vermont, and England, France and Germany, with their small farms, their diversity of crops, their live stock, and their intensive methods of farming, are producing larger acre yields of wheat than Kansas, with her large farms and her extensive methods of operating. Here the wheat growers farm from 160 acres to 3,000 acres of tillable land. The average farm unit is somewhere between 200 and 1,000 acres, and specialized farming as well as extensive farming is the rule. As a result of such extensive method of operating many essential details are necessarily overlooked in an effort to cover a large acreage in as brief a time and at as low a cost per acre as possible, and low yields necessarily follow.

In Kansas the land is being continuously cropped to wheat. Very little thought or attention is given to the question of maintaining the fertility of the soil. Seldom will one find a farmer growing wheat in rotation with such crops as alfalfa or cow peas, while very few even rotate their wheat with corn or Kafir, though all of these crops can be profitably grown over most of the wheat area, either for grain or for forage.

In addition to the wheat farms of the state being large and continuously cropped to wheat they carry very few live stock, even where wheat is grown in rotation with other crops. Not only could our soils be maintained in fertility if more animals were fed on the farm, but the farmer would actually make more money out of his land through virtue of having animals to which he could feed a great deal of roughage, such as wheat straw, corn stalks, etc., that now usually go to waste on the average farm.

Beyond a question of doubt the wheat growers of Kansas are producing low acre yields: First, because they are trying to operate more acres than they have equipment and help to handle opportunely; second, because they are cropping their land continuously to wheat rather than in rotation with such crops as alfalfa, cow peas, corn, oats, Kafir, etc.; third, because altogether too few live stock are kept on the farm, to which a large percentage of the products of the farm could be fed on the land and the manure returned to the soil.

Until the farmers of Kansas decide to reduce their holdings to a point where it will be possible for the owner to personally superintend every detail of the farming operations; and until they begin to do more diversified and mixed farming—that is to say, until they decide to grow more alfalfa, clover, cow peas, etc., in rotation with wheat, corn and oats, and feed a large percentage of same to live stock on the farm, we cannot expect to even maintain our present standard in yields, to say nothing about increasing them.

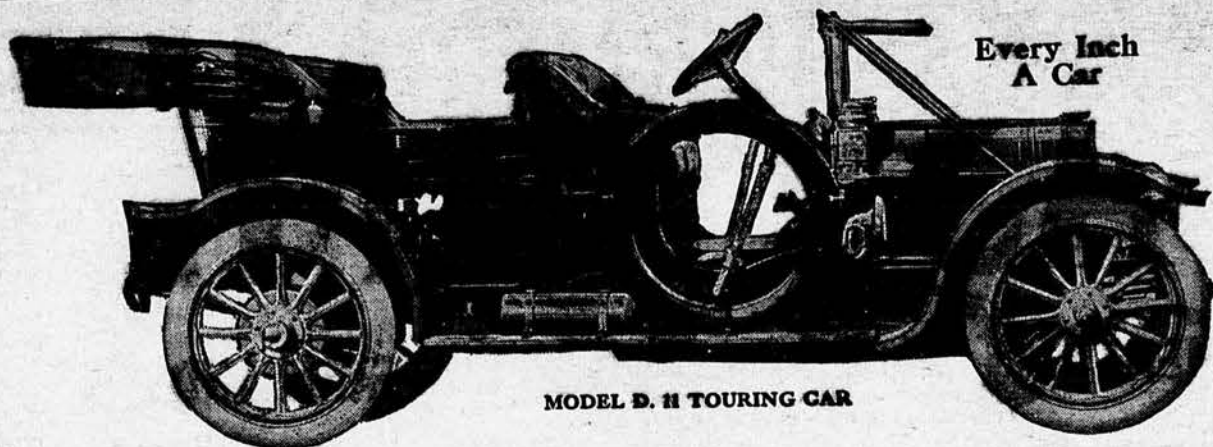
(Continued on page 15.)

### A PROVED PROBLEM.



"The extra profit from planting only tested and graded seed is too much to be ignored any longer."





MODEL D. H. TOURING CAR

## A PLEASURE CAR THAT WON THE HARDEST ROAD RACE IN AMERICA—BREAKING ALL RECORDS—BEATING FAST EXPRESS TRAINS.

The Kissel Kar is not a racing car, yet where speed and high grade construction are brought into question, the Kissel Kar invariably takes the honors. The "Los Angeles-Phoenix" is considered the hardest road race in America, traversing heavy grades, mountain roads, and rough, sandy stretches through the deserts. With an entry of well known cars, many much higher priced, the Kissel Kar won the contest—not only won first place, but broke the record by nearly 4 hours, covering 483 miles in 15 hours and 44 minutes, beating fast express train schedule 2 hours. Most of the Kissel Kar's running time was in darkness.

# KISSEL KAR

This sensational speed record and endurance means that the Kissel Kar has the quality to withstand the hardest trials—a motor and transmission that stand fast, continuous work without giving trouble; springs, frame and wheels that fast pace and rough roads do not put out of

order—an easy control that makes motoring safe—it means that the Kissel Kar has power to climb hills and plow through ruts and heavy sand—that the Kissel Kar is dependable for hardest country road service, and easy on tires.

The Kissel Kar is especially built for country service—a standard, high quality automobile in every detail—reasonably priced—reliable for all roads—easy to control—not expensive to maintain.

4 cyl.—30 H. P.—5 passenger, \$1500.  
4 cyl.—50 H. P.—5 passenger, \$2000.  
6 cyl.—60 H. P.—7 passenger, \$2500.

Write for Illustrated Portfolio Free Portfolio with beautiful illustrations and full descriptions of Kissel Kars sent on request—valuable to anyone thinking of buying an automobile. Explains why Kissel Kar construction is better than is found in other cars. Write for it today.

KISSEL MOTOR CAR COMPANY

175 Kissel Ave., Hartford, Wis.

Licensed under Selden patent.

## A Cheap Way To Insure Healthy Hogs

You believe in insurance—don't you? In fact, you are paying out your good money right now to protect your house, barn and other buildings from loss by fire, because you wouldn't feel safe for even a day without such insurance.

Are your hogs insured? If not, why not? We don't mean fire insurance, but life insurance—"Merry War" Lye insurance—which will keep your hogs always fat and healthy and insures you getting them to market in prime condition to bring top prices.

### How To Prevent And Cure Worms And Cholera

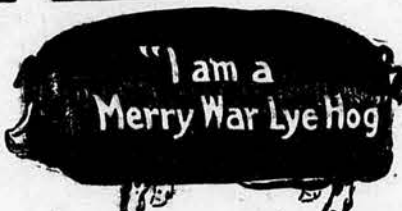
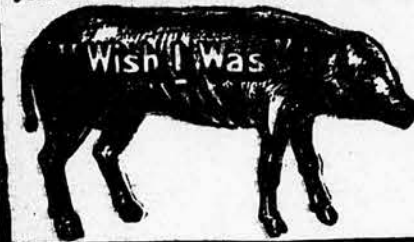
Here is a simple, sure, safe way to keep your drove in a perfectly healthy condition, render them immune to contagious diseases and increase the weight.

Tablespoonful "Merry War" Lye mixed with slop for ten hogs, or one-half can with barrel of swill for larger quantity. Stir well, feed night and morning.

Do this, and no matter how sick your hogs may be, in a few days you will see a marked improvement. "Merry War" Lye cleanses the system, tones the digestive organs, makes sick hogs well and insures your pork profits.

### Take No Chances!

The time to act is NOW, before worms, cholera and other hog troubles get in their work. It will be too late when Mr. Hog slinks off into some corner, gives a feeble grunt, stiffens out his legs and passes away. That kind of a dead hog will never fatten your bank account. What you want is



prime hams and bacon—not soap fat! So take no chances, but insure your porkers against an untimely death by starting them on "Merry War" Lye. And do it today. Don't delay!

### The Cost Is A Trifle

"Merry War" Lye is the least expensive as well as the best protection against hog losses ever discovered.

Its action is sure, and the cost for constantly keeping your drove in prime condition is so small that you will hardly notice it.

A fair trial will convince you beyond all doubt that "Merry War" Lye will do everything that its thousands of Farmer Friends over the country claim for it.

### At Your Dealer's

While most up-to-date dealers handle "Merry War" Lye, some dealers may offer you some other brand. If so, don't accept it, but explain to the dealer that while there are brands of Lye that are good for certain uses, yet there is only one kind "Merry War" Lye—that is safe and specially prepared for use in preventing and curing sick hogs.

So if your Dealer can't supply you, write us and we will give you the name of one who can; and will also send you a valuable book on HOW TO GET THE BIGGEST PROFITS FROM HOG RAISING. Send for this book today.

"Merry War" Lye comes in 20c cans, or 24 for \$2.00, at Grocers' or Drug-gists'. Accept no substitute.  
E. Myers Lye Co., Dept. 12 St. Louis, Mo.

## GRAND FREE SEED OFFER

64

Varieties Vegetable and Flower Seeds!

17 Varieties of Radishes  
12 Varieties of Lettuce  
10 Varieties of Tomatoes  
10 Varieties of Onions  
15 Varieties of Flowers

I WANT every reader of this paper to have a copy of my Beautiful 80-page Seed Annual, and to test, at my expense, "Zimmerman's Famous Quality Seeds." I have made up a special assortment of 64 Varieties of Tested Seeds which I will send you by mail, postage paid, together with a copy of my big bargain Catalogue for 1911. All I ask of you as evidence of your good faith, is 10c to help pay postage and packing expense. I'll return your 10c by mailing you, with the above offer, a Credit Coupon good for 10c on any future order of any size. It's a positive fact that "once a Zimmerman customer—always a Zimmerman customer." That's why I make this great free offer. Cut out this ad—return to me with your name and address and 10c in stamps or silver—today. Address

**ZIMMERMAN SEED CO.** 623 Quincy St., Topeka, Kan.

## Thoroughbred Galloway Cattle

### Mammoth Jack Sale

Thirty-nine head Galloways; two bulls; two fine Mammoth jacks; also 95 head of mixed cattle; one Polled Angus bull; seven horses and implements.

AUCTION SALE JAN. 19, 1911, 10 A. M.

**Mrs. Margaret McCormick**  
ST. MARYS, KANSAS.

### HOTEL GREENWOOD HERD.

Headed by Stith's Commadora by Top Commadora. Bred sows and gilts for sale; 200 head in herd. A choice lot of fall boars and gilts.  
CHAS. STITH, Eureka, Kan.



Let me show you where and how I can save you 20% to 40% of your purchase money on a manure spreader.

You can take your pick of ten different styles—from the fifty bushel wagon box spreader, \$39.50, f. o. b. Waterloo, up to my complete, all steel gear No. 5 spreader, sixty to seventy bushels—a size and a style for every farm. One for your farm at a saving of one-fifth to nearly one-half of your money.

How can I do it? Give me your name and I'll write you how and prove every word. Briefly it is that the Galloway is made in a factory with a capacity of 42,000 spreaders of all styles a year. The spreader is sold direct to you at actual factory cost plus one small profit based on this enormous quantity. Absolutely the best value for the money! It's positively true, and more than 50,000 farmers of America say so. Let me send you their proof. Photographs, letters, articles to papers about my spreaders. Proof for any man, even the most unreasonable.

Ask me any question. I'll give you some farmer's answer to it. That's the kind of argument that tells.

You are asked to sift this testimony of eye witnesses. Then take a Galloway onto your own place. Try it thirty days, or more if you need it—make it prove itself. Then I'll take your word, be it yes or no. If it's "no" I'll take back the machine, refund your money, and pay all the freight. I'll even give you 6% interest on your money for the time I've had it. Or you can try it with your money in your own pocket—makes no difference to me. You are the judge, anyhow. I don't ask you for a minute to take my word. It's your word I have to take. There are lots of things that I know about this spreader business that you want to know. Let me tell you.

Let me show you how I divide the melon with my farmer friends.



## GET MY BOOK "The Great Crop Maker" Absolutely FREE

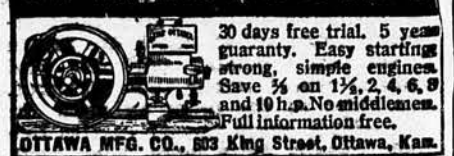
Write Me Tonight Wm. Galloway, President

The William Galloway Co.

Authorized Capital, \$3,800,000

389 Galloway Station, Waterloo, Ia.

## 11 h.p. Gas Engine \$35.90



30 days free trial. 5 years guaranty. Easy starting strong, simple engine. Save 1/3 on 1 1/2, 2, 4, 6, 8 and 10 h.p. No middlemen. Full information free.

OTTAWA MFG. CO., 803 King Street, Ottawa, Kan.

Our Great Farm Library offer on page five of this issue will certainly interest every reader of KANSAS FARMER. Look it up.





# KANSAS FARMER

## EDITORIAL



### COST AND PRICE.

The year 1910 has gone into history and the figures representing results obtained in various lines of business are coming in. From these we learn that there has been a very satisfactory increase in the population of the country, so far as mere numbers go, but that this increase is confined almost entirely to the cities and towns while the rural population in many of the best farming states has actually decreased. The census figures as published do not show that the bulk of immigration to this country comes from southern Europe but such is the fact, while the former influx of splendid citizens from northern Europe seems to have fallen away.

Figures show that the farmers are more prosperous than ever before and that the rapid increase in number of consumers as compared with number of producers has given them better prices and higher land values. While the farmers are the largest and wealthiest class of people in our citizenship they are not burdened with wealth as certain newspapers and magazines would have us believe. They have benefitted by later conditions to the extent of receiving something like a just compensation for the time, labor, cash, risk and brains which they have invested, but no more.

On the other hand, the greater demand for farm products which has come through an increase of non-producing population, has increased the value of the land to such an extent that a fair interest on the capital invested is no longer possible under the old methods of farming. This increase in land value is of value to the farmer only should he desire to sell or rent his farm. If he still lives upon it he has higher taxes to pay and must make the farm produce more in order to meet added outlay for expensive machinery, higher priced help, interest on capital invested and profits for his own labor and skill. The farmer does get better prices for his products but his necessary expenses are very much greater so the fairy stories about his fabulous wealth are to be taken with caution.

The foundation of the highest class of citizenship in any country lies in the land owning farmers. They are the stable and conservative factors in our form of government. They are the balance wheel of the business world and this success means national prosperity; their failure spells disaster to all.

High values for land and high prices for products are not the most important things in agricultural progress. They show better things for the farmers and progress cannot be attained without them but the real foundation of permanent agricultural prosperity must rest in the intelligence of the farmers.

High prices may relieve financial stringency but they alone cannot make a permanently successful agriculture. Enlightened economical production is the only thing that can do this, and this question is the most important one confronting the American farmer today. High prices are to be desired when conditions warrant but they cannot be depended upon and a low cost of production is the means offered the farmer for continued prosperity.

Linseed oil is indispensable to paint and varnish manufacturers and there is threatened a serious shortage because of the drouth of last summer. North Dakota produces more than one-half the total flaxseed crop of the Union in normal years but that state, along with others on the northern border, came near drying up last summer and the flax crop suffered. In addition to this shortage we have an increasing demand which alone would probably affect prices while the two together will probably place the price of linseed oil "out of sight" until several other crops can be raised. It is much easier to raise the price on a given commodity than it is to lower it—to the consumer. Here will be an excellent opportunity to raise flax with profit next season.

With which is combined FARMER'S ADVOCATE, established 1877.  
Published weekly at 625 Jackson St., Topeka, Kan., by the KANSAS FARMER COMPANY.  
ALBERT T. REID, President. J. R. MULVANE, Treasurer. S. H. FITCHER, Secretary.  
Edited by T. A. BORMAN and I. D. GRAHAM.  
CHICAGO OFFICE—First National Bank Bldg., Geo. W. Herbert, Manager.  
NEW YORK OFFICE—41 Park Row, Wallace C. Richardson, Inc., Manager.  
Entered at the Topeka, Kansas, postoffice as second class matter.

SUBSCRIPTION PRICE—\$1.00 per year; \$1.50 for two years; \$2.00 for three years. Special clubbing rates furnished upon application.

ADVERTISING RATES—25 cents per agate line—14 lines to the inch. No medical nor questionably worded advertising accepted. Forms close Monday noon.

PUBLISHERS' GUARANTEE TO SUBSCRIBERS—KANSAS FARMER aims to publish advertisements of reliable persons and firms only, and we will make good to any paid-up subscriber any loss he may suffer through fraudulent dealing on the part of any of our advertisers, provided complaint is made to us within thirty days after the transaction, and it is shown that the subscriber, in writing to the advertiser, plainly stated: "I read your advertisement in KANSAS FARMER." We do not, however, undertake to settle, or be responsible for the debts of bankrupts, or for petty and trifling disputes between a subscriber and an advertiser, although we extend our good offices to that end.

PICTURES—Good photographs, drawings and plans are especially solicited. Senders' names should always be written on the back of each picture. KANSAS FARMER can not be held responsible for any picture submitted, except under special written agreement.

CONTRIBUTIONS—KANSAS FARMER is always glad to have correspondence on all farm, live stock or household subjects. Your name should be signed to all communications and they should always be addressed to

KANSAS FARMER COMPANY, TOPEKA, KANSAS.

### IRRIGATION IN KANSAS.

Perhaps few people know that the United States Department of Agriculture employs a native Kansan to study irrigation problems in this state. Such, however, is the case and Mr. J. L. Longstreth of Lakin, Kan., is devoting his entire time to just such matters in the western fourth of Kansas. His department realizes the possibilities of western Kansas and seeks cooperation with the state authorities in their development. The Department offers to duplicate any amount that the state will expend in this direction and the opportunity is great. There is no doubt as to the quality of the soil or the availability of water. The land adjacent to the larger streams was long since occupied but there remains large areas in such counties as Grant, Haskell, Gray, Stevens, Morton, and Stanton which are more or less isolated from the railroad and hence are not occupied although rich and within easy reach of water. Irrigation here cannot depend, however, upon the numerous streams which flow through these counties. Its sources are classified by the expert as shallow lift, higher lift and underflow. The underflow in this section is generally too low for purposes of general irrigation but can be used for limited areas. The chief sources of water for irrigation must depend for their availability upon the use of the windmill or the small gasoline engine. The engine is much to be preferred as it does not cost much and is dependable at all times, while the windmill is not. Too frequently the drouth comes in times when there is no wind and this puts the windmill out of commission just when it is most needed.

As showing the possibilities of western Kansas Mr. Longstreth cited the case of a certain farmer in Kearny county who secured 500 bushels of alfalfa seed from 150 acres last season besides the hay and pasture. This seed is worth \$8 or more per bushel, much of it will probably bring more. This instance is quoted merely to show what is done at times without irrigation and to suggest what might be if irrigation were practiced.

As the rainfall in the region mentioned is below 15 inches per year and as the soil is of wonderful richness both the dry land farmer and the irrigation farmer are sure of success, especially if the two are combined in one man.

To the lure of the city many succumb; of those who do so a few draw big prizes. A few more draw good prizes. If only those should go to the big city who can earn a better living there than elsewhere they could all travel on a handcar running once a day. Ninety-two per cent of the population of New York do not own their own homes and most of them get little more than a living for their work.

### A FARMERS' HALL OF FAME.

The University of Illinois maintains, in its Agricultural College, a Hall of Fame for the purpose of commemorating the names of men who have become noted in the agriculture and live stock industries. McCormack, the inventor of the reaper, has a place in this hall, and other noted sons of Illinois have been and will be given suitable recognition there.

The action of the committee on the Col. W. A. Harris memorial in selecting the Agricultural College grounds at Manhattan as a suitable site for the location of the proposed monument to their famous Kansan suggests the idea that the Kansas College establish a Hall of Fame for this state. Kansas can supply an abundance of material for such a hall. It is doubtful if any state in the corn belt has enrolled on its list of citizens a larger number of men who have solved real agricultural problems; who have done more to advance human knowledge along agricultural lines; who have extended the boundaries of agricultural empire and who have more justly earned such recognition at the hands of their fellows and of the generations which follow them and profit by their work, than has Kansas.

It is to be hoped that this committee and the college authorities will adopt their idea and arrange to place mementos of other great Kansas farmers beside that of Col. W. A. Harris, one of the greatest of them all.

Bulletin 421 of the Department of Agriculture is devoted to "The Control of Blowing Soils." The writers conclude that the means by which the damage may be prevented or decreased must be, in principle, two: (1) Increasing the cohesion of the soil, and (2) decreasing its exposure to the wind. The cohesion may be increased practically (1) by increasing the water content of the soil, (2) by increasing the amount of humus which it contains, and (3) by modifying its texture, as, for instance, by adding clay or by leaving it in small clods instead of in a finely pulverized condition. The exposure may be decreased (1) by providing a cover of growing vegetation, (2) by leaving the stubble of the last crop still standing on the land, (3) by providing an artificial cover of straw, brush, etc., and (4) by planting windbreaks to protect the fields. In addition to the above methods, the roughening of the surface by proper cultivation really protects the finer soil particles from blowing, as they soon become located in the depressions, where the exposure to the winds is much less. This bulletin may be had free by addressing the Department of Agriculture, Washington, D. C.

Make a resolution to keep your resolutions in 1911, then plan a banner year and make it happen in 1911.

### GOOD SEED PAYS.

Everybody will accept the statement that good seed pays, but comparatively few will practice the doctrine which it preaches. Good seed pays in two important ways; it insures a better crop of better quality and it develops a market among those neighbors who do not have any.

The farmer who does not preserve his own seed or the one who desires to inject new "blood" into his crop is obliged to buy, and only too often he will content himself with inferior seed simply because it is "cheap." Inferior seed is never cheap at any price. When the quantity sown is doubled in the hope of getting a stand the seed has cost more than would good seed at a much higher price. Besides this there is always the uncertainty of a good stand from poor seed.

It is generally true that seed is best chosen from crops that have grown in and are acclimated to the locality. An infusion of new "blood" is sometimes desirable, as is a trial of new varieties but these are not of annual occurrence and may be provided for outside of the general policy.

One of the greatest seed corn growers in the United States is authority for the statement that he does not like to fill orders from other states or from other localities in his own state as the corn will not be suited to the strange conditions and the buyer is sometimes disappointed.

There is only one sure way to get good seed that will fit the home conditions and that is by making a proper selection at the proper time, giving it proper care and in the use of a fanning mill or grain grader.

The selection of the seed should be made in the field and not in the crib. It should be tested for germinating qualities and everything rejected that does not show a high test. If disease appears the seed should be treated with formalin or some other agent before planting. If the farmer cannot test his seeds or needs information about the treatment of smut or other diseases in them he should call upon the Experiment Station at Manhattan for assistance. This should be done in any case with new varieties which it is proposed to try.

Records should be kept each year from which the farmer can determine whether the varieties he is now using are falling off in their yield. These will tell him when he needs to secure new seeds or new varieties.

A fanning mill does not cost much and its value is immense, although used for but a short period of each year. The fanning mill and the mature spreader are two of the most valuable implements on any farm.

J. M. Gilman and his son Paul, of Leavenworth, Kan., took six prizes at the corn show at the Kansas State Agricultural College this year, two firsts, one second and two third and one fourth prize. Paul Gilman, who won second prize in the boys' corn contest, is 17 years old and already has won several prizes in other years. Aside from the ready money which resulted from his larger yield and higher quality of corn and that which he won as prizes this young man has benefitted by winning the respect of his neighbors and the state for accomplishment. He has also given himself a special education in the concentration of effort, the study and solution of the problems he met and the confidence in himself which can only come with success. He may not realize the full value of all this now but he will do so later on and it will remain with him through life.

The Insecticide Act of 1910 will become effective on the first of January. Joint regulations for its enforcement have just been issued by the secretaries of the Treasury, of Agriculture, and of Commerce and Labor. The act forbids the manufacture or sale in federal territory of adulterated or misbranded insecticides and fungicides, especially mentioning Paris green and lead arsenate. It also forbids interstate shipment of such articles, and this is its most important feature.



# AGRICULTURAL REVOLUTION

When the Kansas State Agricultural College was founded in 1862, there were but few people who understood its immediate purpose or its future possibilities, though there were many who considered it of doubtful value. In those days farmers as a class were mere day laborers working unceasingly and for precarious wages. They felt that they knew from hard experience all that could be learned about farming and that they had dug this knowledge out of the ground. The proposition to train their sons and daughters along agricultural lines did not appeal to them and they viewed the establishment of such a college with suspicion. The Agricultural College on the hill at Manhattan was ignored except by a few of the townspeople and nearby farmers who found it a convenient high school.

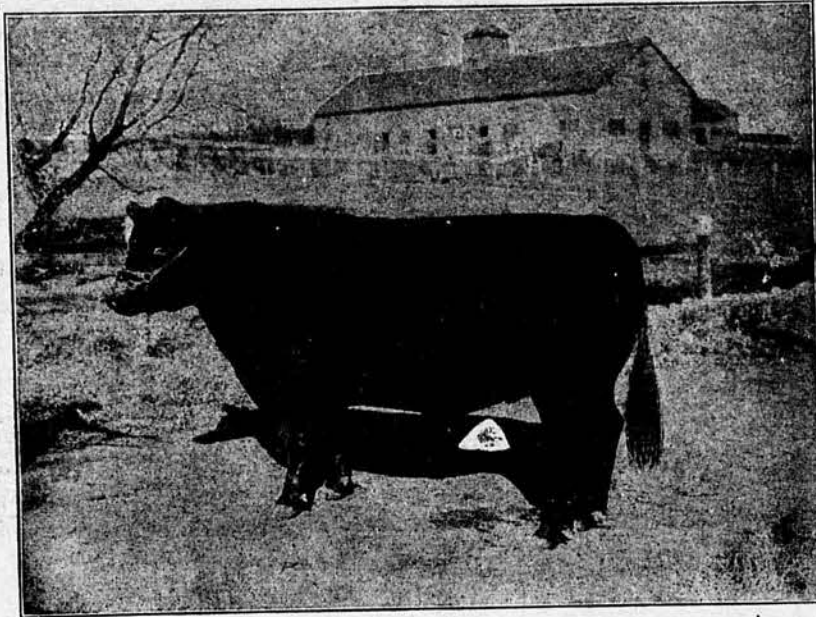
Even the professors who were employed in the institution, while fully up to the times in the knowledge of their several branches of learning, had but hazy ideas of their duties as professors in such an institution or of how to perform these duties. This does not mean that the men in charge of the Agricultural College in its earlier history were not qualified or that the students who attended were not earnest in their work, but it does mean that the idea of an agricultural college was so new and so revolutionary in its character that the mind of the average citizen could not and did not grasp its significance.

The men who had been trained in the sciences and arts and who had been placed in charge of this infant wonder of an educational world, were deep and careful students. They realized that the idea of an education such as the institution was founded to give was an innovation, but they recognized in some degree its possibilities and their own duties. These gray headed professors began their work where the 14 year old boy now begins it in the same institution. Through the pioneer work which they performed new methods were evolved, new facts were discovered and new theories evolved which became fundamental to the agricultural colleges as we know them today.

American agriculture has developed more in the last twenty-five years than it did in all previous history, and this is especially true of the agriculture of the great central plains where so many new and unknown problems confronted the immigrant farmer. When the boy graduated from the older agricultural college he went forth into the world, alone with his sheep skin, and did not know where to turn his hand. His training received in the college was of little use to him because it was not appreciated and because there was no market for it. He made his way the best he could and has made his record good, always retaining his loyalty to the old college on the hill. During his school days in this institution he had the ordinary school duties in English, mathematics and history and was thus far benefited as he might have been in any other good school, but the scientific training he received was confined entirely to pure science and "knowledge for knowledge sake" and had little of utilitarian value.

With the coming of the experiment station, which owes its birth in large degree to the same men whose long look ahead had been the reason for the creation of the Agricultural College, came the beginnings of the real revolution in agriculture. The purpose of the agricultural college is primarily to teach that which is known. The purpose of the experiment station is to discover the unknown. These two combined have wrought a wonderful change in the agriculture of the country and of the world. They have raised the farmer from a mere day laborer with poor and uncertain wages, to the position of a manufacturer, who not only produces the crude material on his farm but converts it into condensed products of high market value and great demand. They have changed him from the man who worked his soil without method or system and who frequently almost starved on some of the richest lands of the country, into the great wealth producing class we know today as the largest and wealth-

## Farmer Leaders Meet at Headquarters to Compare Results and Prepare Campaign



WHAT THE STUDENTS LEARNED TO FEED AND WHAT THE VISITORS JUDGED DURING THE STATE INSTITUTE AT K. S. A. C.

test of any among our citizenship. These influences have also made it possible for men to grow wealthy today on land which was deemed worthless a quarter of a century ago.

Until comparatively recent years the great work that was being done by the Agricultural College and Experiment Station benefitted only those who could attend its classes. Indirectly, others were benefitted by the various bulletins that were sent out from this headquarters of agricultural information and by the influence of the graduates and other students who returned to the farms to practice what they had learned in its halls. Those in authority felt that there existed a wider field of usefulness for this institution and means were found whereby its teachings could be brought home to the farmers and their families who were deprived by circumstances of the benefits to be derived by a course of study on the ground.

Farmers' institutes were organized under the direction of the college in 1880, and later came the special educational trains on the railroads and an increased number of bulletins and other publications. The institute system was found to be not only popular but of vast usefulness, and special attention was given to it until it developed into a part of the work of college extension. It has now been systematized and thoroughly organized to such an extent that its influence is most potent for good and one of the greatest factors in developing that appreciation in which the college is now held by the farmers.

The culmination of the system of institutes, which now includes about

300 organizations in the state and some 12,000 members, is the State Farmers' Institute held each year at the Agricultural College during the Christmas holidays. This State Institute was established in order that the college might be a rallying center for the leaders in agricultural thought and work; that there might be gathered at the college each winter for one week representatives of the highest type of Kansas rural citizenship; that the college might become an agricultural Mecca for the boys and girls of Kansas farms than whom there are none brighter, and that the institute might become a factor in awakening of the boys and girls of Kansas farms to a keener realization of the possibilities and charms of a well managed rural life.

This State Institute is really made up of a number of different institutes, conference and association meetings which fill the week very full of that which is most valuable and most interesting to the visitor, and which affords each an opportunity to see many phases of college and experiment station work and to hear lectures and watch demonstrations from many experts in different lines. Among the best of these meetings was that held by the Kansas Horse Breeders' Association. As practically every farmer is also a horse breeder to some extent, and as every farmer is a horse user, the topics discussed at this meeting were of interest to all. Illustrated lectures were given by Dr. L. R. Brady of Manhattan on "What is a Sound Horse?" and by Dr. F. S. Schoenleber, head of the veterinary school, on "Transmissible Unsoundness." These were extremely practical

cal lectures which gave the large audience a fund of information which was highly appreciated and which in very many cases among farmers of the state is badly needed. Prof. C. W. McCampbell, who is now conducting an experiment in feeding 976 head of horses at Fort Riley, gave a general talk on the objects and purposes of this experiment, which is believed to be the largest ever undertaken, and which promises highly valuable results. The experiment as yet is too new for net results to have been attained. Perhaps one of the most valuable papers given at this meeting was that of Prof. T. G. Paterson on "Stallion Registration in Kansas." Under the provisions of the new law all stallions in the state which are used for public service must be recorded with a registration board and examined by competent veterinarians as to health and soundness. The facts developed by Professor Paterson were surprising. It was found that only about 40 per cent of all the stallions of Kansas entered for registry with this board were pure bred, the other 60 per cent being either grades or of unknown ancestry. As it is a well known fact that breeding animals transmit their weak points to their progeny, the facts presented as a result of the work of the registry board will be of immense value to the farmers of Kansas. Not only must the sire be of pure breeding and sound in health, but he should be of good conformation, suitable action and vigor if the horses of the country are to be improved. Heretofore, the farmers of the state have been at the mercy of unscrupulous horsemen who either offered the services of grade or scrub stallions, which could not improve the general stock of the country, or were guilty in some cases of standing stallions whose pedigrees were fraudulent. A list of the names of all of the recognized pedigree associations in the United States was given to the audience by Professor Paterson, and also a list of those which are either barefaced frauds or of doubtful value. This information alone was well worth the expense of the trip to Manhattan.

At the close of the meeting of the Horse Breeders' Association, its success had been so well demonstrated that it was enthusiastically decided to continue its existence, and a new set of officers was elected. They were as follows: President, H. W. Avery, Wakefield; vice presidents from the eight Congressional Districts, J. H. Hamm, Holton; J. A. Peck, Tecumseh; Fred Hoover, Columbus; John T. Barr, C. W. Lamar, Salina; R. G. McKinzie, Glen Elder; Geo. B. Ross, Alden; J. C. Robison, Towanda; secretary, T. G. Paterson, Manhattan; treasurer, H. N. Holdeman, Meade.

A large place in the work of the state institute was taken by the domestic science and art classes. A very considerable enrollment was made from the ladies in attendance and the work was deemed very satisfactory although the time was so short. Lectures were delivered on the "Cookery of Meats," "Human Nutrition," "Home Training," "Textiles," "Garment Making," with demonstrations and judging drills, and this was followed by a contest in bread making and one in fine sewing, for which prizes were offered. No student was admitted who was under 14 years of age, and it is a matter of credit that the first prize of \$5 was awarded to Miss Minnie Johnson in the bread making contest. Miss Johnson is but 16 years of age and lives on a farm in Riley county. There were eighteen counties represented in the bread baking contest, and the second prize was won by Mildred Pollock of Burlington, while the third prize went to Nora Hott of Hiawatha. The prizes for sewing were given for the best and neatest buttonhole worked by a girl between 14 and 21 years of age. Miss Luella Duncan, an 18 year old girl from Hiawatha, won the first prize of \$3, while the



TOO GOOD TO WASTE AND YET, FOR LACK OF A SILO, 40 PER CENT OF THE CORN CROP IS WASTED EACH YEAR.



second and third prizes went to Label Ledger of Russell, and Lottie Elliott of Delphos, respectively. The week's work in domestic science and art was under the general direction of Prof. Mary Pierce Van-Zile, dean of women of the college, and most of the work was done in the magnificent new domestic science and art building, though demonstrations in butter making, use of the cream separator, milk and cream testing, ripening cream, working butter and testing for oleo were given in the dairy building.

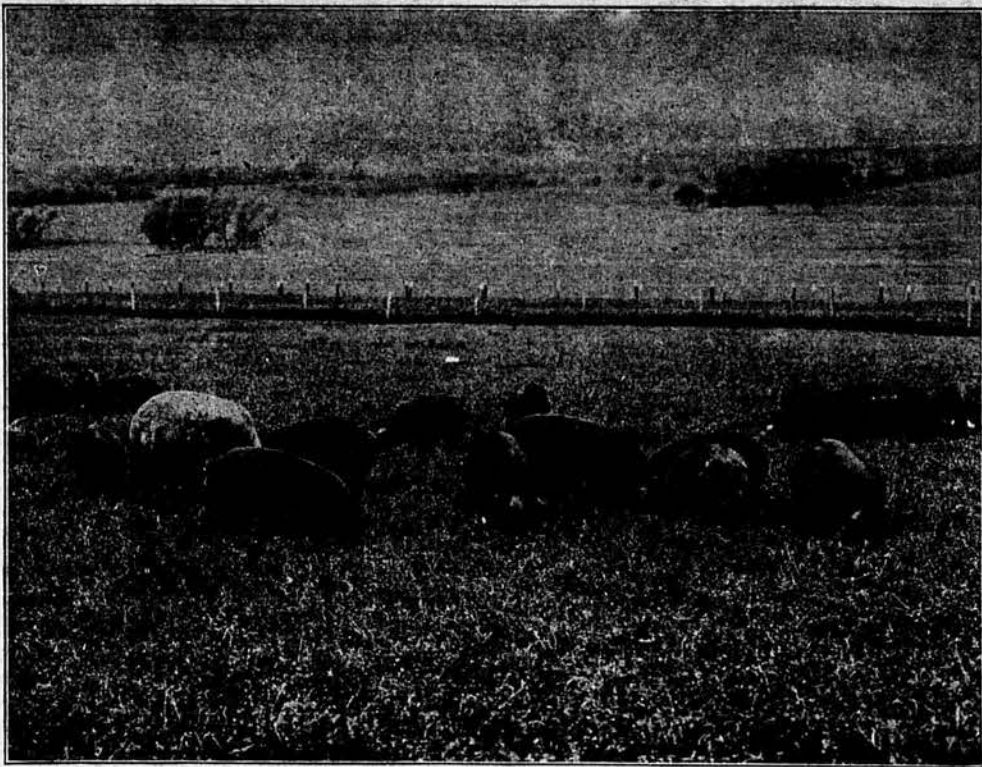
#### THE DAIRY FARMERS.

The Kansas Dairy Farmers' Association held its second annual meeting during the state institute. There were about one hundred dairymen in attendance. The special program was given on Wednesday, December 28, as a part of the institute. A very interesting program was rendered. Prof. O. E. Reed of the dairy department gave a demonstration in judging dairy cattle. Animals from the dairy herd were selected that showed the desired type and undesired type; the animals used, illustrated the types very well; the yearly records of the cows were given and the largest records were made by the cows that conformed most closely to the dairy type. It was brought out that it is possible to detect high producing cows from the low producers by judging from type, but impossible to always tell the good or medium producers from low producers, by this method. The only way this can be done is by keeping records of each individual cow and knowing whether or not they are profitable. In keeping records it is more important to know the amount of milk a cow produces than the percent of fat in the milk. Within breeds, the milk yield will vary a great deal more than will the fat test.

Dean Webster of the college talked on the subject of silos and silage and emphasized the necessity of using the silo on the dairy farm. He said a silo is a profitable investment for the man who is keeping a herd of five cows. The silo furnishes a green succulent feed for the cows during the winter season. It preserves the forage in the best way possible, saves the entire plant and converts it into a palatable food which would otherwise be left in the field or fed as fodder and a large per cent of it be wasted. One of the greatest advantages of the silo is that it will save the feed from one year to another. In times of good crops when conditions are right for the growth of an abundance of green forage, this feed can be put into a silo and held over in good condition for the next year. This fact should appeal especially strong to the farmer in western Kansas where good crops are not assured every year. There is a great deal of interest in the question shown by those present. There has been over 400 silos constructed in Kansas during the past year and it is being shown that it is to be part of the equipment on every dairy farm in Kansas.

Mr. George S. Hine of the extension department, outlined plans and gave methods for conducting cow testing associations; he emphasized the necessity of the dairyman knowing more about his cows so that he can tell the profitable from the unprofitable cows. The average yield of butter-fat from the Kansas cow is about 130 pounds. The way to raise this production is by selecting cows by records and breeding up the herd by use of pure bred cows.

Prof. O. E. Reed gave a talk on "Forms of Organization and Cooperation." He argued that the dairymen should get a better price for their products as well as insure a better grade of cream by organizing and selling their cream together instead of selling several cream buyers at the same time. Such an organization would also cooperate in buying feed. A plan was suggested whereby such an organization could be perfected if the farmers of a county or several counties would take an interest in such a proposition. The plan of organizing county breeders' associations was also discussed. If the dairy farmer in a county would breed the same breed of dairy cattle, great results



THE MORTGAGE LIFTER AT WORK AGRICULTURAL COLLEGE FARM.

would be accomplished. Such a practice would make possible the exchanging of bulls and breeding animals and would also form a market that would attract buyers to the county in times that the surplus stock would be offered for sale.

Mr. George Lenhart, of Abilene, read a paper giving his experiences with his dairy herd. It was very interesting and brought out many good points in the handling of a dairy herd.

The dairy institute program on the other days of the week consisted of demonstrations and lectures given by

members of the department of dairying. The demonstrations consisted of exercises in milk testing, cream testing, butter making and stock judging.

Talks were made by Dr. Schoenleber and Dr. Burt of the veterinary department on the subjects, "Keeping the Cows in Health," and "Testing for Tuberculosis."

At the business meeting of the association, it was decided to discontinue the Kansas Dairy Farmers' Association as it now exists, and after this year make it a part of the regular farmers' institutes that are held

in most every county in the state. The institutes are already organized, the dairymen of each county are to appoint a standing committee in each of these institutes to look after the dairy interests. A representative of each local institute will be delegated to attend the annual meeting of the Farmers' Institute at Manhattan and look after the dairy interests and make a report back to his local institute. This arrangement does not bar other dairymen from the State Institute, but by each local organization being represented, the annual meeting will be made more far reaching in importance and benefits. At the annual meeting, the delegates will meet and a regular dairy program will be given.

The chickens were also matters of considerable interest during the week, though for the first time since the organization of a state institute there were no birds on exhibition except those owned by the college. These numbered about 50 and included a Single Comb White Leghorn hen which had a record of 343 eggs in 19 months, and a White Plymouth Rock hen with a record of 220 eggs in 12 months. In the exhibition

room were placed poultry appliances of every kind, including many different types of incubators, some of which were in actual use as a part of the exhibit. The program provided for the institute feature was an interesting one and occupied the time of those who attended during a part of each day of the week. Other times were devoted to judging of the poultry or to lectures and demonstrations of poultry appliances.

The Sheep Breeders' Association devoted about half its time to a drill in selecting sheep for breeding or for feeding, and then had under discussion such subjects as "Silage for Sheep," by Prof. G. C. Wheeler; "Common Diseases of Sheep," Dr. K. W. Stouder, and "The Stomach Worm," Dr. Burton R. Rodgers.

There was something of interest going on in practically every department of the college during the week, but perhaps the one place to attract the greatest amount of continuous attention was the magnificent new machine shops which are second to none in the country. In these shows were given daily demonstrations and lectures on the use of farm machinery, and special interest centered in the traction engines and the automobiles which were explained by experts from the factories of the several kinds. The greatest crowd and the largest interest seemed to be in the room where the automobiles were shown. Apparently every farmer who was in attendance at the institute took time to see these machines and to listen to the lectures given by the demonstrators. As many of these visitors were wearing motor coats and caps, it is to be supposed that they were simply seeking to add to information already in hand. The importance of this demonstration could not have been illustrated more forcibly than by the fact that the great manufacturing companies sent their experts to participate.

An innovation this year was found in the conference held on the rural church and the rural school in their relation to rural life. These meetings attracted very large audiences and proved remarkably successful. It is found that the future good of agriculture depends on the environment of the farmer. In this lies the solution of the old and vexed problem of why the boys leave the farm, as well as of the newer one of why the boys return to the farm. Modern agricultural life demands a comfortable home with pleasant surroundings, means of rapid transit and a social center, such as is offered by either the country church or at the country school. The farmer of today is a business man as well as a manufacturer, who has time to devote to the amenities of life and who has a belief that his condition on the farm is vastly better than it could possibly be in the city, provided his environment is attractive and comfortable.

## Our Great Farm Library Offer

Last winter we offered the readers of KANSAS FARMER what was known as our great Farm Library list of magazines and books. We are again going to offer the greatest bargain in high class periodicals to our readers. We have made arrangements with the publishers of the following magazines and books which enable us to give you, for only \$1.50, the variety of reading matter particularly valuable to every farmer and stock raiser. Our combination this year will consist of the following:

THE KANSAS FARMER  
KIMBALL'S DAIRY FARMER  
POULTRY STANDARD  
KANSAS CITY WEEKLY STAR  
PEOPLE'S POPULAR MONTHLY  
AMERICAN SWINEHERD  
THE PIG FEEDER'S MANUAL

ALL  
SENT  
ONE  
YEAR  
FOR  
ONLY  
\$1.50

## READING MATTER FOR THE WHOLE FAMILY

**KANSAS FARMER**—Fifty-two issues per year. The standard agricultural publication of the Southwest. Every copy edited up to the highest point of value to the farmer and stock breeder.

**KIMBALL'S DAIRY FARMER**—Twenty-four issues per year. Unquestionably the greatest dairy paper published in the United States today. Every man who owns a cow ought to have Kimball's Dairy Farmer.

**POULTRY STANDARD**—Twelve issues per year. Every reader of KANSAS FARMER is more or less interested in poultry, especially the farmer's wife and daughter. Poultry Standard is one of the very best poultry papers published, and we are fortunate in being able to offer it to you in this combination.

**KANSAS CITY WEEKLY STAR**—Fifty-two issues per year. The most popular weekly newspaper in the West. The Star is too well known to need any comment.

**PEOPLE'S POPULAR MONTHLY**—Twelve issues per year. This is one of the cleanest and best of the popular magazines containing high class stories, household hints, the young people's department, and many other attractive features.

**AMERICAN SWINEHERD**—Twelve issues per year. The Swineherd is the standard swine paper of this country. There is not a farmer in the Southwest who does not raise some hogs, and who does not need this great swine paper.

**THE PIG FEEDER'S MANUAL**—A valuable little book of thirty-one chapters of intensely practical information on feeds and feeding of hogs for profit.

**THINK OF IT! ONE HUNDRED AND SIXTY-FIVE HIGH CLASS PUBLICATIONS FOR ONLY \$1.50. LESS THAN ONE CENT PER COPY. SEND YOUR ORDER TODAY. ALL THAT IS NECESSARY IS TO SAY THAT YOU WANT THE "FARM LIBRARY OFFER."**

ADDRESS CIRCULATION DEPARTMENT KANSAS FARMER, TOPEKA, KANSAS.



# Bale 30 Tons Hay Per Day



## Bale Direct From Windrow

The LUEBBEN cylindrical baler is a new idea in farm machinery. It overcomes all objections raised against the old style baler.

The LUEBBEN bales direct from the windrow. You save time and expense of handling your hay several times. Just haul your LUEBBEN baler into the field and you are ready to start. It works rotary instead of plunge movement and can be speeded as fast as you like.

It makes round bales which are bound with twine and are rain proof. The hole through the center of the bale permits curing after hay is baled. The LUEBBEN BALER automatically scours hay before baling it, thus actually raising its grade. Cattle relish round baled hay—it is always sweet. No waste from refused rations.

All binding done with twine. No danger of accidents from snapping wire, or tripping over same in your feed lots. For safety, quality of hay or baling speed, no investment will pay you such big dividend.

## Luebber Baler

Extract from a letter from E. A. Gustin, Lander, Wyo.:—"I am highly pleased with the work of the baler. In one run of ten hours on mixed cutting of timothy and alfalfa we baled 1,095 bales, the average weight of which was sixty-eight pounds. This with seven men and two teams and from the windrow. I loaded this hay onto the cars from the baler and the purchaser is highly pleased with the bales, saying that they are more preferable to the square bales and that he considers the round bale is much less liable to mold or heat. I have used different makes of balers and I am pleased to state that I am entirely satisfied with your baler and consider it much superior to any I know."

Extract from a letter from Prof. A. M. Ten Eyck, Superintendent of State Experimental Station at Ft. Hays:—"The Luebber Baler came too late to bale any of the third cutting of alfalfa. We used it to bale the fourth which was very light—hence could not make fair quantitative test, but were well pleased with the kind and quality of the work done by the baler. We expect to bale all of our alfalfa from 200 acres next season. We find it much handier and less wasteful to feed to both hogs and cattle than loose hay. I have no definite figures but in my judgement the baled hay is yielding at least 10 per cent more feeding value than loose hay, reckoning from the cutting to the feed rack and this does not include the smaller cost and greater convenience secured in handling the bales, compared with loose hay."

Extract from letter from John P. Thille, Cawker City, Kansas, 10-5-10:—"The baler we bought of you last spring is the only way to put up alfalfa. We run it with a 15 H. P. gasoline engine and our crew was three pitchers, two sweeps and myself at the machine. We averaged four tons per hour. We leave the hay in the field about two days, and haul it in and put it in the barn and it keeps fine. Horses and cattle like it two to one better than bulk hay and you have all the leaves and the delicious flavor. We have been baling straw and prairie hay and the baler is working fine. We are certainly well pleased for it is the only baler."

We have many more letters of the same nature as above. Write for our free book.

LUEBBEN BALER COMPANY, BUILDERS, BEATRICE, NEBRASKA.  
DEPT 134

## Which One Will You Test on Your Farm for Ninety Days? Freight Prepaid

Which will you try, 30 Days' Free or 90 Days' Approval Test?

—Any capacity from 200 to 950 pounds per hour, according to your needs, and I'll save you from \$25.00 to \$50.00 on the price.

—The only Separator whose gears run in a "Bath of Oil" like a \$5,000 automobile—Feature worth \$50.00 alone.

—Automatically oils itself—Pour oil at the top, once a month from your oil jug or can—No danger of running dry, or ruining it like others—No oil cups to remember to fill or turn up twice a day.

—Dust-proof—Danger-proof—All gears enclosed—simple but standard built and absolutely dependable.

## GALLOWAY'S "Bath in Oil" New HIGH GRADE STANDARD OIL CREAM SEPARATORS

—Has the only revolving supply tank—worth \$15.00 alone. —Easiest to clean and the few parts come out easy and can't get back out of place.

—Easiest to run—high crank—low tank. With no high lifting and no "back-breaking" cranking.

—Gets the finest quality cream and all of it—no lumps or churning, as Nature's true principle is followed without forcing either the milk or cream in the wrong way up or down.

—Skims closest in any climate or season, no matter whether your milk is warm or cold.

—Is as handsome a machine, compact and substantial, as you ever saw or could find. Beautiful finish.

—Let me send you my Big New Separator Book—post paid—Free, so you and your wife and the boys and girls can talk it over and then try one of my separators under my easy plan for you to do it. You'll call it the best if you test it alongside any of the highest priced \$85.00 and \$110.00 separators sold by anybody today—makers—catalog houses—dealers—jobbers or anybody else. Write me today.

Wm. Galloway, Pres.  
WM. GALLOWAY COMPANY  
383 Galloway St., Waterloo, Ia.

BULLETIN  
OF  
INFORMATION  
PROFIT IN  
CATALPA  
CULTURE

## THESE TWO BOOKS SHOW NEW WAYS TO GREATER PROFITS

We have put into these books, a life time's painstaking experience in tree growing. They cost a great deal of money, besides the time, effort and experience to write them. They are yours for the asking. We'll send them gladly, postpaid. You will surely appreciate them. The one thing which will interest you is

## CATALPA SPECIOSA

It is easier and more certain to make money with Catalpa than with corn or wheat. We want to prove that to you, so you will believe it as fully as that when it rains it is wet. You to be the judge.

You could spend a year in the University and not get, from all that time and expense, as much real information on "tree growing for profit," as these books give you—for nothing—except the asking.

## SEND FOR THESE FREE BOOKS

We are the largest growers of Catalpa in the world. We have more than 5,000,000 Catalpa trees now growing. Every one of them from seed that has passed the inspection of the U. S. government experts. We were the first to show the public the value of the genuine Catalpa and the worthlessness of the common kind. Our books tell the whole story. They will most surely profit you, even if you don't write up another word after you get them. Can't we have your reply by return mail? Just send a postal card and they'll come at once. You will be surprised at the interest you will find in them.



WINFIELD NURSERY CO., Winfield, Kan.

## Kansas Beekeepers Association



APIARY EXHIBIT MADE AT THE KANSAS STATE FAIR BY J. C. FRANK, DODGE CITY, KAN.

The eighth annual meeting of the Kansas State Beekeepers' Association was called to order in the parlors of the Topeka Commercial Club by President P. R. Hobbie.

The address of welcome was made by Editor I. D. Graham of KANSAS FARMER. In this address attention was called to the fact that while the members of the association were engaged in raising bees and honey for their own immediate profit, they were public benefactors as well. The great alfalfa fields which have made Kansas both rich and famous would be impossible without the aid of the bee to carry pollen from plant to plant. Without bees a most important factor in the agricultural supremacy of the state would be eliminated and it is a curious fact that those counties in Kansas which have the greatest number of stands of bees are also the counties which have the largest acreage and heaviest yields of alfalfa. Whether there is a connection between these facts or no the coincidence is remarkable.

Mr. C. O. Davison of Garden City, who is one of the earliest and most active members of the association, made the response to the address of welcome in well chosen and appreciative words.

After some routine business President Hobbie made a short address and presented the association with a beau-

tiful gavel of his own workmanship on which was engraved, upon the silver mounting, the date of the organization of the association and the date of the presentation of the gavel. This gavel was accepted in the same loving spirit in which it was tendered.

The committee in charge made a report on a proposed revision of the premium lists for bees and apiary products in Kansas fairs and recommended its adoption by all fair associations in the state.

Dr. G. Bohrer of Lyons reported upon the various attempts that have been made to have beekeeping taught in the State Agricultural College. This is a matter upon which Dr. Bohrer is very enthusiastic.

Considerable time was devoted to the consideration of a legislative bill for protection against foul brood which had been prepared and submitted by E. H. Phillips of Washington, D. C. The bill was amended in some particulars and adopted for recom-

mendation to the Legislature. This association is very much in earnest in regard to foul brood legislation and a special legislative committee consisting of Secretary O. A. Keene, Topeka; O. Badders, Topeka, and Dr. G. Bohrer, Lyons, was appointed. On motion of Dr. Bohrer the rules were suspended and all the old officers were reelected to their respective positions for the ensuing year.

By vote it was decided to hold the next annual meeting at Manhattan upon such a date as shall be selected by the executive committee.

Reports on the honey crop for 1910 were called for and a number of the members responded with the following facts: J. C. Frank, Dodge City, stands, spring 81, fall 131. Honey, comb 2,400 pounds, extracted, 1,009 pounds. Dr. G. Bohrer, Lyons, stands, spring 17, fall 27. Honey 600 pounds. Mrs. J. D. Smith, Troy, stands, spring 18, fall 47. Honey, comb 700 pounds, extracted 140 pounds, wax 30 pounds. O. Badders, Topeka, stands, spring 13, fall 17. Honey 450 pounds. J. L. Young, Manhattan, stands, spring 23, fall 34. Honey, comb 50 pounds, chunk 500 pounds, extracted 309 pounds. E. Davison, Garden City, stands, spring 300, fall 320. Honey 17,000 pounds. O. A. Keene, Topeka, stands, spring 68, fall 120. Honey 1,360 pounds.

By vote J. C. Frank was appointed



FLASHLIGHT PICTURE OF SOME OF THE OFFICERS AND MEMBERS OF THE KANSAS STATE BEEKEEPERS' ASSOCIATION.

a committee to secure prices on a car load or more of bee supplies for use of the members.

Several papers of peculiar interest were read by the members and these will appear in the columns of KANSAS FARMER.

The meeting closed with the usual honey banquet which was given at a local hotel and which was enjoyed by all.

Never feed scorched sugar in the winter, as it will kill the bees. If necessary to feed bees in mid-winter, better feed candy.

Never feed scorched sugar in the winter, as it will kill the bees. If necessary to feed bees in mid-winter, better feed candy.

## OIL PAINTINGS!

Beautiful Genuine Hand Painted Pictures. Landscape and Marine scenes, summer, winter and moonlight scenes. Large size, 18x30 inches. Painted with best oil colors on good canvas, will last a life time. I will ship you one, charges prepaid, for 65c. Cheapest price ever quoted on these pictures. Money back if not satisfied. Ross Art Co., 610 W. 4th, Topeka, Kan.



# Write for GRAND FREE MILLWORK CATALOG

Buy Building Material at 50c on the Dollar  
Direct from Our Great Millwork Plant—No Middlemen

QUALITY, SAFE DELIVERY AND SATISFACTION GUARANTEED

"Uncle Sam"  
is Our  
Traveling  
Man.



## 5,000 Bargains Ready

Doors, Windows, Mouldings, Flooring, Frames, Lumber, Lath, Shingles, Roofing—Everything!

We are selling high-grade guaranteed Building Material of every description at 50 cents on the dollar. If you want to save 50 per cent of the prices demanded by retail dealers, here is your chance. Simply put your name and address on the coupon and "Uncle Sam" will bring you our Grand Free Catalogs of over 5,000 Bargains—everything required to put up a new building or modernize an old one. Here in our great new fireproof plant, built of solid concrete, we carry the largest, finest stock of building material in the world.

Build That House or Barn NOW and Save Money in Big Chunks!

To celebrate the completion of our new fireproof plant, we have started a sale that has startled the country. So great are the price reductions, so vast and varied is the stock, so wonderful are our new facilities for quick shipment, that the public is simply paralyzed. If you are ever going to build, if you are ever going to remodel or repair your house, barn or other buildings, if you are ever going to buy Building Material, now, now, now is the accepted time—the supreme opportunity to save big money—to make every dollar go twice as far as before. Such stupendous bargains, such money-saving offers, such high quality for so little money, may never, never, never come again. Delay may cost you dearly.

### Over Half a Million Customers!

Solely through our Grand Free Catalogs and the Big Values offered therein, we have built up a patronage extending from ocean to ocean. Over half a million satisfied, enthusiastic, loyal customers on our books!

You can't put your finger on the map of the United States without locating a Gordon-Van Tine customer! We have been in the Building Material business since 1865. Our business motto is the Golden Rule.

Every article we ship is guaranteed, and we refund every penny and pay freight both ways if goods are not absolutely satisfactory. Three big banks vouch for our reliability. See our rating in Dun's and Bradstreet's Commercial Agencies. Ask our customers. Get the 3 Big Free Catalogs and see prices.



A  
Flight  
of Stairs  
Complete for

**23.93**

Our prices save you from \$80 to \$125 on stairs.

### Three Big Banks Certify to Our Reliability!

Scott County Savings Bank  
Capital \$250,000 Surplus \$180,000  
Davenport, Iowa

To Whom it May Concern:  
It gives us great pleasure to testify to the reliability, business integrity and honesty of Gordon-Van Tine Co. Their financial responsibility is well over three hundred thousand dollars (\$300,000.00), and they enjoy the highest credit with western financial institutions. We assure prospective customers that they are perfectly secure in sending the money with their orders, as we understand that if goods are not entirely satisfactory they may be returned at shippers' expense and the money will be promptly refunded. The officers of this company are well and favorably known to us, and may be relied upon to do exactly as they agree.  
J. H. HARR, Cashier.



\$1,827 builds this 8-room house complete. We will furnish you all the Lumber and Millwork, including plans, for \$698.

**67¢**  
EACH  
2-Lt. Windows



Corner Blocks

Good Strong Door



Killarney Door



**2¢**  
Each

We Ship Promptly. Two railroad trucks, each with double loading platform, extend the entire length of our warehouses. No drayage!

## LUMBER

Save \$100 to \$300 on Every Carload Shipped!

Ask for our Free Lumber List, which gives out prices on Rough and Dressed Lumber, Dimension, Joists and Timber, Siding, Flooring, Ceiling, Finishing Lumber, Fencing, Ship Lap, Lath, Shingles, etc., etc. Our yards are connected with 26 different railroads.

### Water-Proof and Fire-Resisting FLINT-COATED ROOFING

Per Roll of 108 square feet . . . **\$1.00**

1-Ply, \$1.00  
2-Ply, \$1.25  
3-Ply, \$1.50

Another big cut in Roofing! Millions of feet of Flint-Coated Roofing, made of genuine Wool Felt, waterproofed with Asphalt, surfaced with Flint and Mica—at less than half regular prices, for quick clearance. Every roll guaranteed 5, 8 or 10 years, according to weight. Ask for Free Roofing Catalog.

### Bargains in Mantels

Beautiful Mantels, Grates and Fireplace Fittings almost given away. You will be surprised at the small cost. Grand Free Catalog gives pictures, prices and descriptions.

### Porch Millwork SLASHED!

**\$1.85**

Every farm home should have a porch—an outdoor living room. Put up a porch at small expense. See Catalog for prices on all porch material.

**6¢**

Porch Brackets



\$1,164 builds this barn, 32x44. We will furnish all Lumber and Millwork for \$685.

**\$685.00**

buys Lumber, Barn Sash and other necessary material for this barn. See Plan Book. We sell a tremendous amount of barn material—everything from foundation to cupola. Our prices enable you to build barns or a complete set of farm buildings at a saving that will astonish you. Send us list of material for free estimate or get our great Book of Plans for Farm Buildings and see the big saving we guarantee. The barn shown here is only one of thousands built from Gordon-Van Tine materials. Build that barn NOW and save money!



Every building shown has been actually built at the prices stated. The handsome houses shown at the right-hand side of this page are taken from our Plan Book. Note the low cost for lumber and millwork! The book is free. Send 10c for postage and mailing.

### Plan Book FREE!

Over 50 Designs for Houses, Barns, Cottages, Bungalows, Granaries, Hog Houses, Poultry Houses, Etc.

This great Plan Book wins out because it is practical and gives the latest ideas on farm architecture. Gives complete designs for fifty Houses, Cottages, Bungalows; Farm, Dairy and Cattle Barns; Corn Houses, Granaries, Cattle Sheds, Hog Houses, Wagon Sheds, Implement Sheds, Cribs, Automobile Houses, Poultry Houses, etc.

### How to Remodel Old Houses at Very Low Cost for Materials

Our Grand Free Millwork Catalog gives valuable ideas for modernizing old houses—tells how to add stairs, porches, mantels, plate rail, etc., etc., at lowest possible cost. Costs only a few dollars to double the attractiveness of an old-fashioned house.

### Estimates FREE

Send List of Materials Needed and See What We Can Save You

Our Estimating Department makes no charge for giving complete itemized figures on material for any kind of a building. Send list of materials wanted, or figure it out yourself, from our catalog.

## Why Pay Two Prices for Millwork, Lumber, Etc.?

Buy from us in any quantity—at wholesale prices—less than the retail dealer pays. We undersell everybody because we save you the middlemen's profits. Whether you buy \$5 worth or \$5,000 worth, you get our lowest prices, and our guarantee of quality. Safe delivery and satisfaction or every dollar refunded.

## Grand Millwork Sale

to Celebrate Completion of Vast New Concrete Warehouses

These special prices are limited to this Grand Millwork Celebration Sale—to celebrate the completion of our enormous new concrete millwork plant. NOW is your opportunity to buy at a tremendous saving!

### Send Your Name and Address at Once!

Write immediately. Use the coupon or write a letter or postal. This is important. Get possession of the great money-saving, price-cutting catalogs. Get your name on our Free Mailing List for extra Bulletins as fast as they are issued. (47)

\$2,474 builds this 7-room house complete. We will furnish all Lumber and Millwork, including plans, for \$1,022.



\$2,614 builds this 7-room house complete. We will furnish all Lumber and Millwork, including plans, for \$1,057.



\$2,238 builds this beautiful bungalow complete. We will furnish all Lumber and Millwork, including plans, for \$868.

## 3-Free Books-3

5,000—BARGAIN OFFERS—5,000

GORDON-VAN TINE CO.,  
2214 Case Street, Davenport, Iowa

Please send the FREE BOOKS checked below to

Name .....

Address .....

Occupation .....

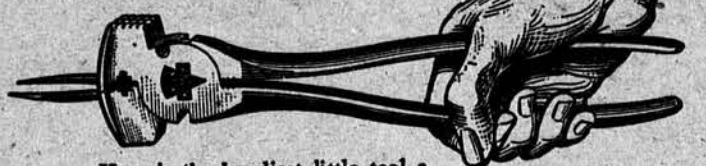
Any of following books free. Check the ones you wish.

☐ MILLWORK ☐ ROOFING ☐ LUMBER

GORDON-VAN TINE CO., 2214 Case St., Davenport, Iowa



## A Hardwood Post and a Tight Staple Can't Bother This "Puller"



Here is the handiest little tool a farmer can have in his "kit"—a combined staple puller, driver, wire puller, splicer and bolt grip. Forged from highest grade crucible steel and oil tempered. Takes hold of a deeply driven staple with a bull dog grip, and pulls it easily. You can't imagine what a time-saver and bother-killer this

## KEEN KUTTER Staple Puller

is about the farm until you try it. Like all other Keen Kutter farm tools, it is fully guaranteed. If you find a defect of temper, adjustment or balance in a Keen Kutter hoe, rake, scythe, fork, shovel, axe, spade or corn-knife, your dealer will refund the purchase price. The same broad guarantee covers the Keen Kutter line of carpentry tools, pocket knives, razors, shears and table cutlery.



**"The Recollection of Quality Remains Long After the Price is Forgotten"**

Trade Mark Registered.

—E. C. SIMMONS.

If not at your dealer's, write us.

SIMMONS HARDWARE COMPANY, Inc., St. Louis and New York, U. S. A.

## How To Figure The Cost of a Manure Spreader

Divide the price by the years of service—figuring in the cost of repairs. That gives you the cost-per-year. And the spreader that is lowest in cost-per-year is the one you want—providing it is built on the right principle. On that basis, you'll choose the famous



## Great Western

Let us send you our big Art Catalog at once, so you can see how a spreader should be made if it is to stand up and do good work for a lifetime. Then you will understand why so many spreaders are not giving satisfaction. You'll know just why the Great Western is used and endorsed by over 100,000 progressive farmers and by nearly every U. S. Government and State Experiment Station. When you know the Great Western

### Construction

you will realize that a spreader doesn't have to mean constant repairs and trouble. When you read how much oak, hickory, steel, malleable and wrought iron there is in the Great Western—you will know why it is the lowest in cost-per-year of any spreader in the world.

First of all you want a strong spreader. That depends mainly on the materials used. And the Great Western Catalog proves that we spare no expense to put quality into every part of the Great Western—from pole to beater.

Then you want a spreader with a right-working principle. You get it in the Great Western. Our big catalog tells you how the endless apron runs on three sets of large rollers. Tells why there's no friction—no binding. Proves the Great Western to be lightest in draft. Tells

about the great 16-inch unbreakable malleable fifth wheel—why the front end of the Great Western can't pull out—no matter how heavy the load or how soft the ground or how strong the horses. Read about the double solid oak bolsters. How they're set two feet under the load so that the weight is divided evenly among all 4 wheels. These are merely suggestions of the many Great Western features and advantages. Read them all, fully explained in our big, free book. When it comes to

### Price

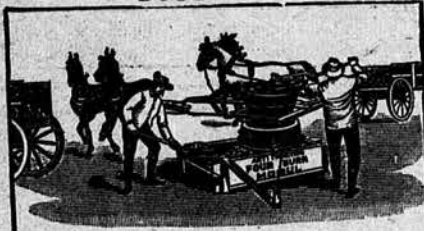
—don't let any one fool you into buying a spreader just because it's low priced. Look for quality first and if you get it, be willing to pay a few dollars more at the start. You'll make it up in the first few months. But don't buy any spreader until you read in the Great Western Catalog how a quality spreader should be built. We'll tell you a few simple tests to make and some of the things to watch out for

### Write Now For Book

You'll find a Great Western Spreader of a style and size to meet your requirements—wood or steel wheels—capacity of 35 bushels to 100 bushels. And whichever Great Western you choose, you are guaranteed 50% less repairs, 50% greater durability and a 50% better machine than any other in the world. Write it in the contract if you want to. Send us your name on a postal now—ask for Spreader Catalog No. 8423

SMITH MFG. COMPANY  
158 E. Harrison St. Chicago, Ill.

## ANTI-FRICTION, FOUR-BURR MILLS DOUBLE THE CAPACITY OF GEARED MILLS



Two-horse mill has 24-ft. grinding burrs (two sets) all grinding at once, and grinding from 25 TO 50 BU. PER HOUR. Four-horse mill grinds from 60 TO 80 BU. PER HOUR.

Two complete mills in one; has double the capacity and double the durability of other mills. Absolutely no friction or gearing. Will earn cost price in three days. The largest ears of corn to these mills are like popcorn to other mills. We manufacture the most durable and fastest grinding line of mills sold, including our FAMOUS IOWA NO. 2 FOR \$12.50. Send for our free catalog.

BOVEE GRINDER & FURNACE WORKS, 24 8th St., WATERLOO, IOWA.

## AGENTS 100% PROFIT



Most perfect and valuable Combination of tools ever invented. Sells at sight to Farmers, Plumbers, Machinists, Automobile Owners, in stores and the home. Made of Drop Forged high grade carbon steel. One agent in Essex County, N. Y., after a 6 days' canvass ordered 100 tools. His profit \$100.00. Big snap for agents. Sample free to workers. T. THOMAS MFG. CO., 2803 Wayne St., Dayton, Ohio

## Learn to be An Auto Expert

Only six weeks required at this great school to become an Auto Expert—able to repair quickly and properly any make of automobile. Students learn by working on real automobiles. No Books Used—No Tools To Buy. No Correspondence Course. We teach you to become a Chauffeur, Expert Repairman, Demonstrator, Garage Manager and Salesman. Low Tuition. Write today for FREE Illustrated Catalog. Automobile Training School. 15,000 Square Feet of Floor Space. 1106 Locust St., Kansas City, Mo.

# THE FARM



### Missouri Beef Producers to Organize.

The Missouri Experiment Station has perhaps carried on the most extensive cattle feeding experiments in the United States. It is now investigating the value of corn silage for fattening cattle. The cattle feeding work of the station will be demonstrated during a meeting called at Columbia, Mo., to organize a beef breeders' association, and the results of feeding silage to beef cattle may be studied by an examination of the animals themselves in the cattle feeding lots of the Experiment Station.

### Silage Experience.

In answer to inquiry from a Johnson county farmer as to merits of silage as a feed, I will say that this year is my first experience and so far has been perfectly satisfactory both as to the feed keeping in the silo and its feeding value, and this has been the case with several of my neighbors who have used silos this season and last. In regard to contradictory claims as to its merits as a feed, such is apt to be the case with anything new and is generally made by those interested in selling silos on the one extreme and those prejudiced against them on the other. I think the general statement made by one of our agricultural writers that three tons of silage is about equal to a ton of good mixed hay is as near the truth as such a statement in general could be made and I believe it can be fed very profitably on that basis if supplemented by cottonseed cake, bran, oil meal or other concentrates with a little good hay.

Agents for silos have made very extravagant claims which are misleading and do their cause no good, but I believe a great majority of silage users would not do without it.

The type of silo I have is a stave 16 by 26 feet, and if it proves reasonably durable I believe is a good investment, but if used for a small herd of six to twelve cows I would want one smaller in diameter.—A. A. Graves, Wellsville, Kan.

### From the Scrap Pile.

On every farm there is sure to accumulate, in time, a considerable amount of old iron. This is always saved with the idea that some of it can be utilized for various purposes and with the knowledge that the remainder can be sold as old iron. It is good economy to save this material and it is a good plan to sort it more or less closely so that similar articles may be together. Use for something from this scrap pile may be found almost daily. For instance, an old wagon tire may be cut, straightened out and used as the connecting rod on a wagon brake. One farmer has built a very handsome fountain in his dooryard from the remains of

or three strand wire the picture is drawn to show this loop cut off and the end of the hinge bent over to form a new one. Before this new loop is made a section of the hinge should be filed away as shown, so as to give a grip on the end of the wire. A nice, smooth wire coupling or splice not only adds much to its appearance but increases its life as well. A good joint does not pull apart and with the aid of this tool it is just as easy to make a good smooth joint as a poor one and it lasts.

### Feeds for Breeding Sheep.

W. J. KENNEDY, IOWA AGRICULTURAL COLLEGE.

A careful review of the work done in feeding sheep in this country, by both the experiment station and the practical man, reveals the fact that we have not given this subject the same careful thought that our British friends have. We have done some real good work in ascertaining the value of our more common feeds. When it comes to the question of furnishing variety for our flocks we suffer by comparison with the English flockmaster. Right here is where the majority of sheep men fall down. There is no other class of live stock that respond so surely and rapidly as does the sheep when fed a variety of foods.

Immediately after the lambs are weaned the ewe flock should receive attention. The aim should be to feed and handle the flock in such a way as to secure the largest number possible of strong healthy lambs at lambing time.

The practice of "flushing" the ewes is a good one. By "flushing" we mean putting the ewes on a ration that is highly nutritious and very palatable, for about three weeks previous to the time of mating in order that they may be rapidly gaining in flesh when bred. "Flushed" ewes not only produce more twin lambs but are more likely to breed. Some say that twins are not desirable. Experiments show that ewes suckling twins do not lose any more flesh than those with one lamb and that twins make as rapid gains as singles. This is an easy way to double the profits of the breeding flock. For "flushing" the ewes, a good clover or rape patch will serve a useful purpose. Where these are not available a grain ration, composed of equal parts by weight of bran, oats and corn, fed to the extent of one pound per day per ewe in addition to the regular pasture will prove very helpful. During the winter months a variety of feed should be furnished. For roughage, clover, alfalfa or cow pea hay, along with some well cured corn fodder or corn stover and a small allowance of either roots or corn silage, will give good results. The English shepherds all use roots. Experiments in this country indicate that corn silage is a useful feed. Silage should be fed in moderate amounts. From two to three pounds per head per day would be ample. For concentrates a variety of feeds may be used. Corn should never form more than one-third of the grain ration. Oats, wheat bran, peas, and oil meal are all useful feeds. Breeding ewes should be kept in good condition and given an abundance of exercise. When handled in this way good results are sure to follow. The following rations have given good results when fed to ewes averaging about 150 pounds live weight:

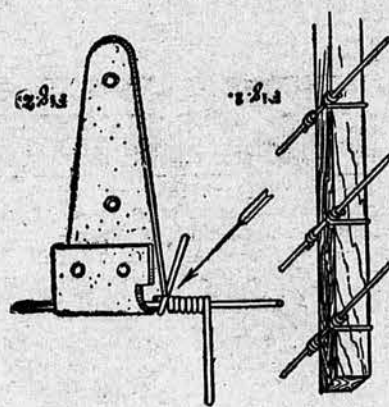
Ration 1—Mixed hay 2.5 pounds, corn silage 2.5 pounds and a grain mixture of equal parts corn, oats and bran .8 pound.

Ration 2—Clover hay 2.5 pounds, corn silage 2.5 pounds, corn .6 pound.

Ration 3—Clover hay 2.5 pounds, roots 3 pounds and equal parts corn and oats .7 pound.

Ration 4—Corn fodder 3.5 pounds and a mixture of equal parts corn, oats and bran .6 pound.

Ration 5—Clover hay 3 pounds and



an old cannon stove, ornaments from other stoves and a little gas pipe.

In the cut shown above there is indicated a way in which a very useful tool may be made from the half of an old strap hinge. This home made tool is for use in making wire joints or couplings and the picture shows pretty well how it is used. As the loop on the ordinary hinge is generally too small to accommodate a two



a mixture of equal parts oats, corn and bran .7 pound.

Ration 6—Mixed hay 2.5 pounds and a mixture equal parts corn, oats and bran to which was added 10 per cent oil meal .8 pound.

Ration 7—Alfalfa hay 2.5 pounds, equal parts oats and corn .6 pound.

During the spring and summer months a flock that has been well wintered will not require much, if any, additional feed than good pasture. The more variety you furnish your flock in the form of forage crops the healthier the flock will be and the greater the number possible on a given area of ground. While all of the various soiling crops serve a useful purpose, rape is away in the lead. Rape furnishes more feed and better feed than any other form of forage crop grown in this central western country. This is something which every sheep man should remember. While the ewe flock does not, as a rule, need any grain during the best grass season, this rule does not apply to the lambs. It is always a good policy to feed the lambs a little grain. Grain never gives such large returns as when fed to healthy young animals. The lamb is no exception to this rule. At some convenient place in the pasture a "lamb-creep" should be built. This is a place so constructed that the mother cannot enter but the lamb can. In a flat bottomed trough should be placed some tempting feed. For this purpose a ration composed of  $\frac{1}{2}$  corn meal,  $\frac{1}{2}$  ground oats and  $\frac{1}{2}$  wheat bran, will give good results.

#### A New Winter Emmer.

About four years ago the United States Department of Agriculture introduced a small amount of black winter emmer into this country, which was divided up among the leading agricultural scientists of the United States.

Among others, a small amount was received by Prof. B. C. Buffum, of Worland, Wyoming, who has attracted world-wide attention by producing an entirely new grain through breeding this black winter emmer with other grains. Professor Buffum has not only doubled the size of the grain but has greatly increased its hardiness and yielding quality, and adapted it to western soils and climate.

The new improved winter emmer is the heaviest yielding small grain now grown, and the most valuable of this class of crops for stock feeding purposes. It is better than oats for horses, and ranks with corn for fattening sheep or cattle. It will produce more feed per acre than corn and can be grown at much less cost. After three years of testing this new grain has yielded wonderful crops, and Professor Buffum and other scientists who have examined the grain, predict that it will be a most important addition to western farm crops, particularly in the intermountain states where the nights are too cool to successfully grow corn. This grain, together with alfalfa, will give the farmers of the intermountain states an opportunity to send their cattle and sheep to the market ready for the butcher, instead of shipping them out to be fed a few months before sold on the beef and mutton market, and the importance of this industry is apparent to all who have given any attention whatever to western farm subjects.


One man working alone may sometimes produce far-reaching for the benefit of mankind, feed grain adapted to the lands of the west is surely a tant addition to our many varied sources.

#### Production Per Acre Overtaking Population Increase.

Production per acre is beginning to overtake increase of people, declares the Secretary of Agriculture, in discussing one of the features of his annual report. "The evidence is very plain that the yields per acre of our crops are now increasing, and if the facts were assembled in detail for the States it would be found that the percentage of increase in yield of many of them is greater than the percentage of normal increase of population—that is, the increase of births over deaths in the old native element."

During the ten years, 1896-1905, the production of wheat per acre on the average increased over the average of the preceding ten years in a great-

## Here's a Book that will Interest you Farmers



**MORE GRAIN FROM LESS SEED**

CONTENTS:  
CHAPTER 1—SOIL  
CHAPTER 2—SEED  
CHAPTER 3—SEEDING

Written exclusively for you practical men who "get next" to the soil. Let us help you solve the problem of getting bigger crops this coming season from less seed than usual. This book deals with "Soil, seeds and seeding." Just write us on a postal card how many acres of small grains you grow and what they are and we'll send the book immediately, with our catalog. Write today. The catalog describes all our machines and tells how

### TIGER DRILLS AND SEEDERS

represent a development reaching back over half a century. It explains why the Tiger machines are economical in seed and time. Why adaptable to every condition of field and soil, why they do not clog and a score or more of other important facts so necessary to the farmer who wants to get big results at a minimum expense. Send postal card today.

**J. S. ROWELL MFG. CO., 158 Rowell Street, Beaver Dam, Wis.**

## UNIVERSAL One-Man Tractor

### Makes Fortunes for Owners of Even MEDIUM-Sized Farms

After years of untiring work, we have given to the Agricultural World a tractor which makes Power Farming on medium-sized farms pay the same enormous percentage of profit that it pays on large farms. The benefits of "Horseless Farming," heretofore enjoyed solely by big, wealthy land owners are now extended to the farmer owning a quarter or half-section of land.

#### Power Farmers Are Rich

Power Farming has made more farmers rich than all other farm factors put together. Those owning large farms have made fortunes. Power Farming today offers the biggest money-making opportunity the agricultural world has known.

#### A Wonderful Farm Machine

The UNIVERSAL Tractor is a veritable dynamo of power. Does the work of 16 big horses and 4 men. Furnishes one-third to two-fifths more power than any other engine of equal weight. It is essentially a one-man engine. One man starts it, runs it and takes care of it. The same man handles the implements it pulls. You don't need a whole crew or an expert engineer to operate the "UNIVERSAL." You or your boy can do it.

You can turn the "UNIVERSAL" completely around in a 15-foot circle, which enables you to plow the corners of the field. This powerful engine, weighing from 6,000 to 10,000 pounds less than the ordinary tractor and having wide traction wheels, will not cut or pack the sod. It is so simply constructed that you can readily handle it after one demonstration.

You have your choice of four speeds, too!

The UNIVERSAL One-Man Tractor, with its gigantic power, its compact form, its extreme simplicity, its light-running qualities, its very reasonable price, its low cost of up-keep, and its ability to make money for the average farmer, is one of the mechanical wonders of the age.

#### It Just Runs the Farm

The UNIVERSAL Tractor does the farmer's plowing, harrowing, seeding, cultivating, harvesting and threshing. Hauls his crop to town; furnishes power for shredding, grinding, wood-chipping, pumping water. Runs any belt-driven line. The ideal general-utility engine as well as the perfect tractor for field work. You won't need any other gasoline farm engine when you own a "UNIVERSAL."

#### Your Horses Eat 1/4 Your Crop

The average horse eats one-fourth the crop he helps to raise. The "UNIVERSAL" doing the work of 16 horses, eats less than four. And the "UNIVERSAL" eats only when it works. Horses eat three times every day. Hired help is expensive, too. One man on a tractor is much cheaper to hire and easier to keep on the job than four teamsters handling 16 horses. You save \$4 to \$8 on each acre plowed, seeded, cultivated, and harvested and threshed with a Universal Tractor.

#### Secret of Big Crops

But the biggest profit is not in the saving made in planting and harvesting. Your crop is increased on an average of 6 to 20 bushels per acre. In many cases Power Farmers double their yield per acre. Because you can plow and get your crop in quickly when the weather is favorable. Same with harvesting. You are not at the mercy of the weather man. You plow deeper and get a better stand. In the fall you can turn your ground so quickly that rank weeds and burs can get no start.

#### \$25 Profit Per Day

Many farmers, owning even less than a quarter-section, have bought "UNIVERSALS." They farm their own land and then hire out to surrounding farmers all over their township. Some get \$2 an acre for breaking land and it costs them less than 40¢ per acre to do the job. It is easy to make \$15 a day net profit hiring out, and some make as high as \$25 a day.

#### We Sell 1,200 Tractors a Year

We are now selling tractors at the rate of 1,200 a



year. This in itself shows the wonderful success of a one-man tractor made for average-sized farms. Such a record is even more wonderful when you consider that the UNIVERSAL Tractor has never been widely advertised until recently. One farmer buys a "UNIVERSAL," likes it and tells his neighbors, and so its fame spreads.

#### Built Right—Priced Right!

The "UNIVERSAL" is not only one of the strongest, most compactly built engines ever made, but it is priced right, too. It costs several hundred dollars less than the larger, clumsy tractor which has a lot of unnecessary weight and complicated parts.

#### FREE! INFORMATION ON POWER FARMING.

Tell us the size of your farm and we will furnish you with valuable and interesting statistics on profit and saving through Power Farming. We will open your eyes to the almost unbelievable money-making opportunities of "Horseless Farming." Those owning medium-sized farms as well as large landholders, are making loads of money with the UNIVERSAL One-Man Tractor and there is no reason why you cannot do so. Demonstrations are being made all over United States. Ask us for nearest point to you. Investigate! Send postal or letter today to

**UNIVERSAL TRACTOR COMPANY, 409 Chestnut Street, Stillwater, Minn.**

er degree than the normal increase of population (that is, apart from immigration and the temporarily high birth rate of the foreign born) in 26 States, and two more States are all but ready to join them. In 14 States corn production per acre has increased faster than the normal increase of population, and this is almost true of 5 more States. The number of States in this list in the case of barley is 21; rye, 30; buckwheat, 19; cotton, 3; potatoes, 24; hay, 35; and more or less States are almost ready to enter this list in the case of all crops.

A demand that is more difficult to fulfill in production per acre is for an increase that equals or exceeds the actual increase of population, including the immigrants and the tem-

porarily high birth rate of the foreign born. But, notwithstanding the fact that this difficulty is greater in the United States than it is in all other countries that have practically ceased to take much new land into cultivation, many of the States of this Nation are each maintaining an increase of production in the case of one or more prominent crops that is greater than the actual increase of population. Ten States are doing this in the case of corn; for wheat the number is 22; for oats, 16; for cotton and tobacco, 1 each; for rye, 21; potatoes, 15; and for hay, 25.

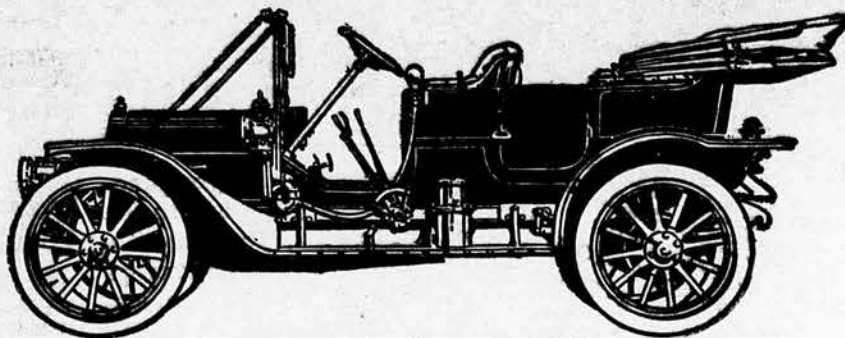
We can not look for any other result than that the yields per acre of all our crops shall increase at an even faster rate in the future, in view of the intense interest with

which our people are turning their attention toward agricultural improvement. If there are certain forces at work which, if unchecked and made more prevalent, will in the future compel us to bid against the world for food, the counteracting forces have nevertheless been already set in motion, with the promise of increasing effect.

When you use a grade or scrub sire you are breeding for the worst there is in him. There is no quicker way to run down a herd of domestic animals than to use a low grade herd header.

People do not like to write for the papers but they do write for catalogues.





## Reo \$1250

Top and Mezger Automatic Windshield extra

Demand proof that a motor-car will give you what you want. You want power, speed, comfort; but, most of all, you want reliability and endurance.

The Reo has complete proof. First the 25,000 users who have Reos and are happy; but it is hard to get at all of them.

**Proof of power:** The Reo holds the record for climbing Mt. Hamilton in California, a climb of 24½ miles to an altitude of 4200 feet in 1 hour 5 minutes, and did it in foggy, slippery weather.

**Proof of speed:** In October a Reo beat a Chalmers by 10 miles over 50 miles of sandy roads. Time 57 minutes 43 seconds. In November, a Reo beat the field at Yonkers, N. Y. Ten miles in 13 minutes 52 seconds.

**Proof of reliability and endurance:** The 10½ day-and-night record from New York to San Francisco is absolute proof of this. A car that can run continuously day and night for 4000 miles over such roads as the Reo encountered can be absolutely relied upon to go wherever you want it to, and as far as you want. There is, nowhere else, such proof of reliability.

**Proof of comfort:** Prove it yourself. Get next to a Reo driver and let him take you out on a bad road.

Send for catalogue and more proof.

R M Owen & Co Lansing Mich General Sales Agent for Reo Motor Car Co  
Licensed under Selden Patent

# LIVE STOCK



By a recent decision the courts have settled the question as to the rights and duties of the Secretary of Agriculture to control the pasturing of live stock in the National forests. The juries convicted, in every case, those who had defied the Secretary and pastured animals on these reservations contrary to regulations and without paying the grazing fee.

### Selecting Seed Wheat.

According to the Kansas wheat growers the idea that large kernels of wheat germinate better than small ones is a mistake. The germinating power is, rather, dependent on the density of the kernels. The selection of dense kernels, in the experiments reported, was made by the use of a wind-blast grader. The kernels were blown through a long tin tube into boxes. The densest—that is, those heaviest in proportion to their size—fell into the box nearest the tube, and were graded as No. 1; those in the sixth box, farthest away from the tube, were graded No. 6. When planted, kernels of No. 1 germinated an average per cent of 99.19, while those of No. 6 germinated an average of only 53.95. Between these extremes, the descent in germinating power of the kernels in the other boxes was remarkably regular, according to distance from the tube.

Here is another hint for the observant wheat-grower, bent on increasing the product of his land per acre. What he wants is a wheat with kernels not only large and plump, but also dense. The large kernels, when separated from the small ones by the use of the fanning mill, will very likely count a large proportion which are equally dense with the smaller ones. If these kernels, possessing both size and density, shall be separated from those which are large but light, it would seem that they will meet every requirement for the most perfect seed, in any variety of wheat.

### Curing Pork.

This is the time of the year when the farmer is confronted with the problem of securing and preparing his supply of cured meat for next summer. His success in securing pork that is palatable, and that will be relished when it reaches the table, depends largely upon his method of curing it. Pork from a hog that has been properly fed can be made to furnish an excellent supply, if a few simple rules are observed in cutting and curing, writes W. H. Tonehave of St. Paul.

All meat that is to go into the curing-vessel must be thoroughly cooled before it is packed. It is also well to let it cool thoroughly before attempting to cut it into convenient pieces, because it is firmer and can be cut into much smoother pieces than when it is warm.

Pork may be dry-salted, or cured in brine; the latter being the most desirable for average farm conditions, because it requires less attention, takes up less room. When dry-cured it is necessary to rub the meat and rub it several times with the curing materials used in the brine process, and the meat in the vessel, the brine poured over it; and it will not be necessary to handle it again until it is ready to be taken out and smoked.

In cutting the pork, trim all parts smoothly, and remove all scraggy portions; as they can be used to advantage for sausage-meat while fresh, but are wasted if put through the curing process. In trimming the hams and shoulders, expose as little of the lean meat as is necessary, because the action of the salt while in process of curing will make the lean meat hard.

After all pieces of meat have been properly cooled and trimmed, take each piece separately and rub it all over with salt, and lay it aside for twenty-four hours. After the salt has been absorbed, pack it into a vessel—syrup barrel or any kind of a barrel

that has been properly cleaned. Pack the meat in tightly, putting the hams and shoulders at the bottom. Weigh out, for each 100 pounds of meat, 10 pounds of salt, 4 pounds of brown sugar and 2 ounces of saltpeter. Dissolve this in four gallons of boiling water. Stir it well, so that all the salt and sugar will be dissolved. Let it stand until cool, and then pour over the meat. This amount of water should be sufficient to well cover the meat in the vessel. Put a round wooden cover over the top, and weight it down with a stone, so as to keep all the meat under the brine, but if not sufficient brine, add enough to cover the meat. Put the vessel away in some cool place, and let it stand for from six to eight weeks, when the meat will be ready to be taken out of the brine and smoked or used. It may be left in the brine for a longer time if desired. The use of sugar in brine keeps the lean meat from getting hard, and also adds a sweet flavor to the meat. The small amount of saltpeter is used to retain the natural color of the meat.

### Care of the Colt's Feet.

The feet of the growing colt should be properly cared for. If left to nature, the feet will not always grow out full, strong and perfect in form. On stone or gravel soil, the foot wears off as fast as necessary to keep it in fair proportions, but the wearing is not even. For this reason, the colt's feet should be carefully inspected once each month, advises W. M. Harper of the New York Station. As a rule, it will be necessary to shorten the toes and this should be done with a rasp. The rasp is the only instrument that should be used for this purpose. When the toes are kept short, the quarters will usually care for themselves, for the frogs will bear upon the ground and keep the heels properly spread. The frog needs special attention, for if it gets out of contact with the bearing surface the foot will very rapidly lose its shape, the heels will contract and the walls at the quarter become brittle, weak and easily split both from above and from below. When a split occurs from above, it is difficult to stop without firing or blistering, hence it is important to protect the walls. The sole need not be cut to "open the heels." Keep the walls rounded at the ground surface, the toe short and the frog prominent.

Horses become unsound of limb when the wear and tear is not equally distributed, as certain parts bear an undue amount of weight. Equal distribution of weight-bearing and other functional activities is possible only when the form of the foot and the direction of the limb are correct. Any deviation from the proper standing position will cause a proportionate overtaxing of certain parts, resulting in unsoundness.

Sound feet are best produced by feeding nutritious food. Sudden changes of the food, periods of sickness, exposure to cold, damp weather at a time, all have an influence on the feet. Hence, the horse should be fed regularly and generally, be well sheltered and be protected as much as possible against the ravages of disease.

### Wants to Feed Sheep.

A Kansas Farmer subscriber states that he is contemplating the feeding of sheep and asks for information as to where he can buy about 1,000 lambs to the best advantage. He also asks "How much corn does it require to put 50 pounds on a western lamb, also how much silage, fed with the corn, would it require? Do you not think the use of a silo would be the most economical way to feed sheep? Will sheep do any good on shredded corn fodder?"

These inquiries were referred to Prof. G. C. Wheeler of the State Agricultural College who gave the information about buying by letter and replies to the feeding question as follows:

## THE "FLOUR CITY" TRACTOR

WILL PLOW YOUR LAND CHEAPER THAN IT CAN BE DONE BY HORSES OR STEAM

Mandan, N. D., Sept. 26-10.

KINNARD-HAINES Co., Minneapolis, Minn.

GENTLEMEN—We bought one of your Flour City Tractors last spring. We used it for breaking, pulling six 14 in. plows. In threshing we pulled a 30-50 in. Separator with wing feeders and blowers and had plenty of power to spare. We are plowing with it now, pulling eight 14 in. plows and the way the engine walks away with them is enough to surprise anyone.

During all this time we have never had any trouble with the engine whatsoever, and I can get more power out of it now than when I got it. If I buy another engine it will be a "Flour City." I think you have got the best of them all.

Yours truly,  
E. W. HAGEROTT.

The "Flour City" is recognized everywhere as the best designed, best built, strongest and most economical farm tractor made. Write for catalogue showing it in detail, and testimony of satisfied users.

KINNARD-HAINES COMPANY,  
846 44th Ave. North,  
Minneapolis, Minn.



GET INCREASED VALUE AND BEAUTY

Cyclone Ornamental Fence will give the outside of your home the finished appearance that curtains give the inside. It takes away that look of something lacking. It beautifies and protects the lawn.

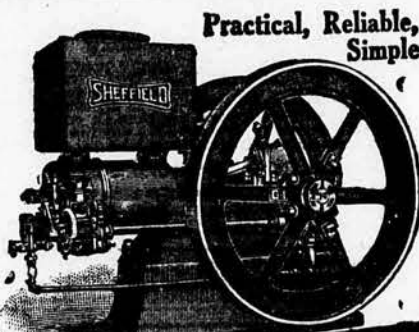
### Cyclone Ornamental Fence

is made of large wires, heavily galvanized. All fittings are of highest quality, malleable or wrought iron. Heavy upright wires are firmly seated in the cables, forming an immovable joint. Easily put up on wooden or iron posts. Made in many attractive designs. We guarantee it fully.

CYCLONE FARM GATES are strong, durable and light on posts. Frames are of high-grade carbon steel and fabric of heavy, closely woven galvanized wire. Will turn any stock.

Write us about how many feet of fence and the number of gates you need. We will send catalog FREE.

Cyclone Fence Co.,  
DEPT. 131 WAUKEGAN, ILL.



## You Need This Engine On Your Farm

Our Free Engine Book Tells You Why

every requirement of the man who wants a simple, reliable engine that will give dependable results—year in—year out—is met by the

Weber

Gas or Gasoline Engine

Sold Under Our Absolute Guarantee

Steady uniform speed, absolute interchangeability of parts, actual power equals rating. Let us do your pumping, grinding, shelling, etc.

Sheffield Gas Power Co.,  
112 Winchester Place,  
Kansas City, Mo.

Let it Furnish Power For You

Write Today For Our FREE Engine Book



Regarding the amount of corn required to fatten sheep. I will quote you some of the results of our experimental work here at the station, giving you in each case the number of pounds of corn per hundred pounds of increase: First test — Mexican lambs, 484; second test — Montana lambs, 358; third—Mexican lambs, 422; fourth—Montana lambs, 469. All these lots received alfalfa hay for roughage. The last two were fed some ensilage in addition.

In a later series of experiments a bunch of Mexican lambs receiving corn and alfalfa hay required 404 pounds of grain to the hundred pounds of increase and 522 pounds of alfalfa. In still another series of tests Mexican lambs receiving corn and alfalfa required 413 pounds of grain per hundredweight of gain and 433 pounds of alfalfa hay.

Regarding the feeding of silage to sheep, we have as yet very little experimental data. I am enclosing you under separate cover our pamphlet on silage, which will give you some of the experimental data on the subject. Such as we have indicate that it can be very useful in this connection. One large feeder in Kansas has placed 145 acres of corn in silos and is feeding it out to sheep this winter. Of course, where silage is used as a part of the ration, it would probably be necessary to add a little cottonseed or linseed meal to properly balance the feed. Where corn alone is fed and alfalfa used as roughage, the alfalfa supplies sufficient protein to properly balance the feed. Joseph E. Wing of Ohio has reported some results of rather an unsatisfactory nature regarding the feeding of silage to lambs. Before making very extensive plans to feed silage, I would advise waiting until we can supply a little more experimental data on the subject.

Shredded corn fodder can be used as a roughage for sheep, but, of course, will not be used as readily as by cattle, sheep naturally rejecting more of the coarser parts of the feed than cattle would.

Your inquiry as to putting 50 pounds on a Western sheep would sound as though you might possibly expect to put that much on one lamb.

Of course, this is an impossibility as these lambs do not weigh, as a rule, to exceed 50 to 70 pounds, and gains of 20 or 30 pounds per head usually put them in market condition.

With the exception of potatoes raw feed will produce more pounds of weight when fed to live stock than will cooked feeds.

#### How to Start with Hogs.

For capital, labor and time required, there is no business of any kind that is paying larger profits than raising hogs where the grower is an expert. As high as 300 per cent net profit has been made in six months under ordinary farm conditions.

The possibilities of so large profits have induced many farmers and business men who have had no experience with hogs to go into the business.

Many of these beginners with no knowledge have started on a large scale and have lost money. Handling hogs profitably requires skill and experience, and the beginner should start slowly and not get these at too great a cost.

Select any one of the breeds you like best.

Get a good judge of hogs to select for you from one to five sows, not more. Select good individuals that come from prolific strains on both sides.

The man who has had no experience with hogs should start with one choice brood sow. His herd will increase as fast as his ability to manage it.

With careful management from 12 to 20 pigs should be raised each year from a prolific, mature sow.

The beginner should study his hogs closely, becoming acquainted intimately with their habits, their likes and dislikes, learning what they need and what is bad for them.

Cheapness in production is the first point to be mastered by the beginner. In his breeding he should work for large litters, early maturity and quality.

Starting with one sow, it will pay to buy a mature one that has shown that she will produce good pigs and raise eight to ten at a litter. She should have two litters a year.

Cheap shelter can be made with

straw, sod or boards. The beginner can watch his small lot of hogs carefully, and learn how to make them grow rapidly at least expense.

If any trouble occurs it can usually be seen in a small lot of pigs before it is past curbing. When there is a loss it cannot be heavy and the grower gets his experience cheaply.

The second year three or four of the best sow pigs should be saved with their dams.


The third year the grower should have learned enough about growing hogs to be able to handle ten sows and their produce, and after that he should know enough to slowly increase his hog herd to the limit of his farm.

Cheap shelter and fences should be used until the profits from the hogs will pay for better ones. No large building should be erected until hogs have been grown several years on them and the breeder is sure of what he wants and where he needs to locate it.

Success in hog raising is determined by intelligent daily, sometimes hourly, care, attention to many small details, and good judgment. When a farmer decides to become a hog raiser, he should plan to stay permanently in the business.

Going into the hog business when the hogs are high and going out when hogs are low, is not a paying business. It is the farmer who stays in the business year after year who makes the money in the long run. He can improve his herd each year by careful selection and improve the quality of his animals. He can gradually get around him at little expense the buildings and yards and pastures that he needs, and can plan his crops and general farm management so as to reduce the cost of raising hogs to the lowest point.—H. M. Cottrell.

The man who "makes a business of farming" should have a business card; some printed letter heads, with the name of his farm home thereon; and should pay his bills with checks on his bank. All these little things not only "make business," but help to dignify his calling, improve his social standing and enhance his credit.



## Save Your Stock

Farmers and stockmen! Dr. Hess Dip and Disinfectant is a chemical preparation, harmless alike to man and animal, but unfailingly destructive to parasitic life and all infectious germ diseases of live stock. It is guaranteed. It is easy to apply. It is inexpensive. One gallon makes 70 to 100 gallons when diluted, ready for use.

# DR. HESS DIP and Disinfectant

used occasionally in proper solution, will save your farm animals from fatal germ diseases and prevent attacks from lice, fleas and sheep ticks. It meets the Government requirement for sheep scab. It disinfects and purifies pens, stables and outbuildings. It insures healthy conditions on the farm. You can't afford to be without it. Write for free booklet.

**DR. HESS & CLARK,**  
Ashland, Ohio.

## SHIP YOUR FURS

to **McMillan Fur & Wool Co.**  
EXPORTERS AND IMPORTERS  
200-212 First Avenue North  
MINNEAPOLIS, MINN.  
OR  
119-121 North Main Street  
ST. LOUIS, MO.  
WRITE EITHER HOUSE FOR CIRCULAR

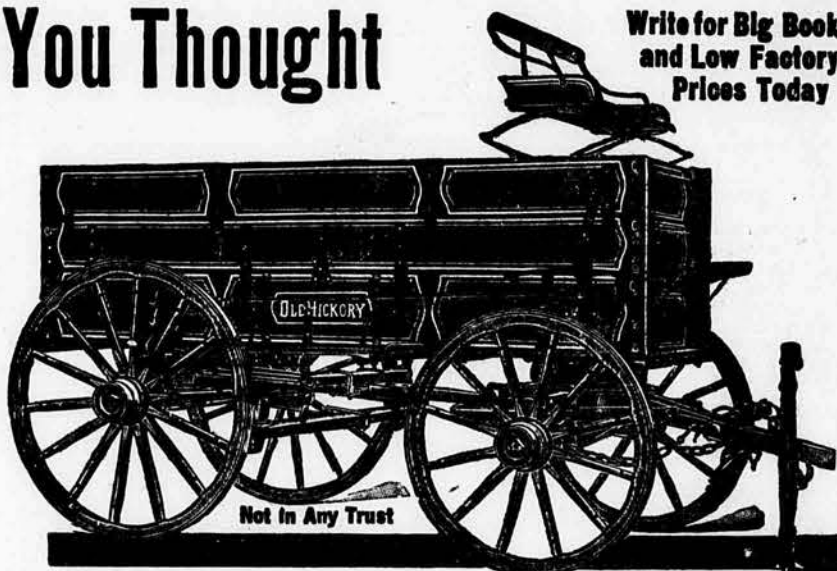
# \$10 to \$30 Less Than You Thought — For Your Next Wagon

**Things Have Happened in the Wagon Business—Farmers Gain—World's Largest Wagon Factory Will Now Sell You the Best Wagon Built at Factory Price. Freight Prepaid—on Free Trial and Long Guarantee.**

This is the greatest surprise and the best news of the year for farmers. It means thousands upon thousands of dollars in their pockets. It means from \$10 to \$30 in your pocket, according to the size and style of the wagon you need and the locality in which you reside.

We have the largest and most up-to-date factory, we hold the highest reputation and are given the highest commercial rating listed. Our "Old Hickory" and "Tennessee" wagons are known from coast to coast. Millions of dollars will be saved to the farmer by our direct selling method. Save your share now.

**To Owners of "Old Hickory" and "Tennessee" Wagons:** If you now have one of our wagons and, owing to accident or long service, you need repair parts, write for our generous proposition on parts needed. Write for our prices, freight prepaid, and our large, free wagon book. Learn why we, the largest manufacturers of wagons in the world, with over \$2,000,000 working capital, make this great change in selling plan.

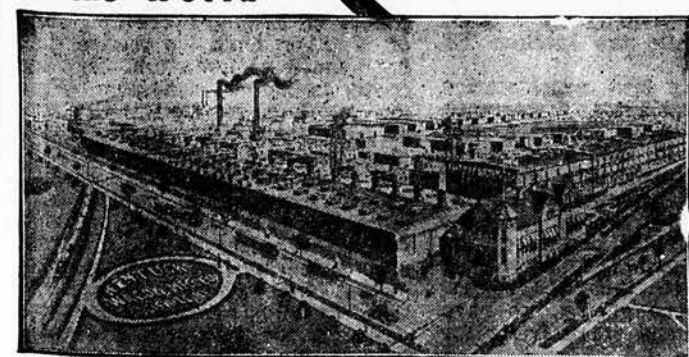


Write for Big Book and Low Factory Prices Today

**"Old Hickory" and "Tennessee" Wagons—Freight Prepaid**

900,000 of these wagons have been sold and have given long years of the most satisfactory service. No wagon has gained a greater reputation. Because no better wagon has ever been made—no wagon has ever been made better. Choicest lumber money can buy—seasoned for years in our own yard—selected and re-selected—inspected and re-inspected. Hickory axle, spokes, wheels, hubs, and neck yokes; choicest black birch or white oak; best white oak butt cuts in bolsters, sandboards, reaches, brake bars, felloes and hounds; superior quality, straight grained white oak tongues of extra large size; iron and steel skains, both far heavier than the ordinary—iron skains made in our own foundry—all tested under hydraulic pressure. In short every detail is beyond practical improvement. The record of these wagons in all service, in all climates—proves all claims. Write for the proof. Then prove it yourself under our

**Deal Direct With the Model Wagon Works of the World**



## 4 Weeks' Free Trial and 2-Year Guarantee

If the wagon you choose doesn't show you a big saving in price, send it back at our expense. You must make this saving and get a wagon that meets all our claims for it or we lose, not you. Then with the wagon we will send a signed, legally binding guarantee, making you responsible to you under the law for two full years. If anything is wrong, new parts free and delivered free, or all your money back. That's the law of it for two years. **Send Us Word At Once**—just your name and address on the coupon or a line on a postal, so we can get this surprising proposition into your hands. No matter where you live, don't put a dollar in a wagon till you get our offer.

We have had the trade of dealers for over 30 years and in making this radical change in our selling method we will be fair to them as well as to you by filling first orders out of their stocks of "Old Hickory" and "Tennessee" wagons if they consent to let us do so. Address

**Kentucky Wagon Manufacturing Co.**

(Incorporated)

Office 242 West "K" St., Louisville, Ky.

**Mail Coupon Now**

**Kentucky Wagon Mfg. Company,**  
Office, 242 West "K" St.  
Louisville, Ky.

Please send me free, your new, large wagon book and factory prices.

Name.....

Address.....

County.....State.....





## \$225 an Acre from Potatoes

Early potatoes are one of the best-paying crops raised in Southern Alabama, Western Florida, Tennessee and along the Gulf Coast. Good prices are always obtainable and demand for same beyond the supply. Read what a farmer at Summerdale, Ala., has to say on this crop: "My yield of salable potatoes this year, per acre, was 150 bushels, which sold readily at \$1.50 per bushel, this being the first crop on the land. I followed this crop with sweet potatoes and sweet corn and then planted cow peas. I raised three crops on the land in one year, all of which brought good prices." Sweet potatoes produce big returns and are usually planted after Irish potatoes have been dug. Two to three hundred bushels an acre are produced and bring from 50 cents to \$1.75 per bushel. Let me send you our illustrated booklet and learn what can be done in a country where fertile land can be purchased cheaply and where there are 312 working days a year. Low round-trip fares 1st and 3d Tuesdays each month. G. A. PARK, Gen'l Ind. and Imm. Agt., Louisville & Nashville R. R. Room 212 Louisville, Ky.

## We Buy and Sell All Kinds of the BEST FIELD AND GRASS SEEDS

ALFALFA, MILLET, CANE, CLOVER, TIMOTHY, KAFFIR, POPCORN, SEED CORN, GRASS SEED, ETC. Write For Prices On Any Quantity.

J. G. PEPPARD, 1119 West 8th St., KANSAS CITY, MO.

## SEED-CORN Write for Prices—Geo. T. Fielding & Sons Manhattan, Kansas

## TREES You can save from 25 to 50 Per Cent

buying Nursery Stock direct from me. I prepay transportation charges on every order, large or small. You have no unexpectedly large freight or express bills to add to the cost of your order. The money saving price you pay me means for trees at your station. All trees guaranteed true to label, hardy, large size and satisfactory. Get my list of Delivered-to-you Nursery Bargains.

Tell Me To Mail You My Big FREE Catalogue. I Pay Postage.

NATIONAL NURSERIES, BOX 2004, LAWRENCE, KANSAS.

## GOOD SEEDS BEST IN THE WORLD

PRICES BELOW ALL OTHERS

I give a lot of new sorts for trial with every order I fill. A Grand Big Catalog FREE Illustrated with over 700 engravings of vegetables and flowers. Send yours and your neighbors' addresses.

R. H. SHUMWAY, Rockford, Illinois

## Grows From Seed

FOUR MONTHS FROM PLANTING

A few Ground Almonds (China) growing in your garden this year will give you a great deal of pleasure. Plant in Spring and you will get a crop in about four months. The nuts of fine flavor, resembling the coconut or almond; meat is snow white; shell thin, and great producer. One nut planted will produce from 100 to 200 nuts. Will grow in any soil or location. To get new customers to test our seeds we will mail 50 Ground Almond nuts and 1911 Seed Catalogue with 10c. Due Bill, all for 10 cents. Send today and have something in your garden to surprise your neighbors.

MILLS SEED CO., Box 600, Washington, Iowa.

## WINNER AGAIN SEED CORN

Again I have won the big prize with my pure bred Seed Corn. This makes me first prize for five successive years at the State Show at Manhattan. This proves beyond a doubt that I have the best strains of Seed Corn in the West. REID'S YELLOW DENT and BOONE COUNTY WHITE, FIRE DRIED, TESTED AND GUARANTEED IN EAR OR SHELL AND GRADED. Pure Red Texas seed oats, clover, timothy and alfalfa seed. Write for free catalog. Every farmer should have it.

BROWN COUNTY SEED HOUSE, Hiawatha, Kan. S. G. Trent, Prop.

## SHIP YOUR HIDES & FURS

In any quantity, large or small, to the oldest and largest consignment house. Established 1870. We originated this plan for handling hides and furs in this field—have made it the special feature of our business for years, and have developed the best outlets in this country. We understand the requirements of the shipper, and send quickest returns at top prices. Our service from any angle is the best in the business. Satisfactory results assured. Write today for tags and our full classified price list, with much information which will keep you thoroughly posted. We mail it regularly and it's free for the asking. We can satisfy you—try us.

M. LYON & CO., 238 Delaware St., KANSAS CITY, MO.

# HORTICULTURE



## The Marketing and Growing of Fruit at Wathena.

W. R. MARTIN, BEFORE STATE HORTICULTURAL SOCIETY.

Wathena is in Doniphan county, in the northeast corner of Kansas, four miles west of St. Joseph, Mo. We are situated in the Missouri river bluffs, and over 100 miles of the Missouri river encircles our county on three sides. Soil and climatic conditions are more favorable here for fruit raising than farther back from the river. I very much doubt if there is another community anywhere, devoted to any branch of fruit growing, which produces such great varieties and over as long a season as we do.

Unsatisfactory prices for our fruit and the saving possible in the wholesale buying of supplies were among the causes which led to the formation of our cooperative corporation. Organized February 28, 1905, with twelve members, the Wathena Fruit Growers' Association today has 152 members. We have erected a modern building of our own, at a cost of \$20,000, the best building in our town. In addition to the offices and assembly room used by the association, part of the lower floor is occupied by the Farmers' State Bank and a department store, and the second floor is rented for office rooms. We have our own packing and storage warehouse, with a switch track to the door.

The fruit growers who are members of our association are paid what is known as a platform price, or the local market price for small fruit each day. All net profits beyond the platform price on each separate kind of fruit, is prorated among the members of the association selling that kind of fruit. Losses are borne in the same way.

This year Wathena shipped approximately 40,000 cases or about 100 car loads of strawberries, practically all grown by the matted row system. Confining ourselves to as few varieties as possible, those most extensively and successfully grown have now narrowed down to Senator Dunlap, of which we have the largest acreage, Aroma, Splendid, Haverland, Bubach and Sample. We have a new variety called the Wathena, which is making a good record.

For the last two years our raspberries have been practically a failure, caused by anthracnose. Knowing no reliable remedy for the disease, we have not tried to combat it. This year the loss from this cause was not so great and the prospects for a crop the coming season look exceptionally bright. However, our association only handled about 2,500 cases of raspberries this year, whereas in former years we shipped from 8,000 to 10,000 cases.

The blackberry crop was considerably shorter this year than usual. The severe winter, followed by such hot, dry summer sapped the vitality so that much of the fruit dried up before getting ripe. Twenty thousand cases will about cover all blackberries shipped from Wathena in 1910.

Wathena this year shipped 50,000 eight-pound baskets of grapes, 35,000 baskets being handled by our association.

The peach crop was light this year and there was a ready market for it at home and in St. Joseph. Our good secretary, Mr. Wellhouse, can testify to the quality and flavor of our peaches, as he visited my orchard this summer while the luscious Elbertas were ripe.

Without taking into consideration cherries, gooseberries, currants, plums, etc., Wathena shipped this year about 62,500 crates of small fruit, of the approximate value of \$135,280. Of this amount our association shipped 32,500 crates and the balance was divided between the Bauer Fruit Co. and J. A. Stewart & Bros. Adding to this \$10,500 received for Wathena grapes, we have a total for Wathena small fruits for 1910 of \$145,280.

Wathena shipped this year 326 cars of apples of the value of about \$143,440, making the total value of all kinds of Wathena fruit this year \$288,620.

It might interest some to know the amount of fruit raised in the other places around us in Doniphan county this year. Troy shipped 468 cars of apples, 3,000 crates of strawberries, and 500 crates of raspberries. Denton shipped 23 cars of apples, Doniphan 36, Brenner 35, Purcell 6, Severance 7, Highland 43, Morey 10, Leona 17, Iowa Point 5 and Sparks 42 cars, making a total number of cars of apples shipped from Doniphan county 1,018, of the approximate value of \$447,920, or nearly one-half million dollars for apples alone. The value of all kinds of fruit shipped from Doniphan county this year, and not including much that was hauled to Atchison and St. Joseph, which largely depend on us, is the grand total of \$754,215.

Some idea of the amount of business done by our association can be gleaned from the quantity of material we have handled this year, such as berry crates, boxes, baskets, barrels and spraying materials, amounting to about 65 cars, or two train loads.

It must be confessed that the orchard business in Doniphan county is in a shameful condition. While we pride ourselves on our up-to-date methods in the raising and handling of small fruit, large orchards were set out and Providence left to do the rest. Few have taken the trouble to learn the orchard business. Apples have been picked and marketed like so much corn, and too often sold for a less price than corn was bringing. Many people in Doniphan county, instead of planting a few acres of orchard and tending and caring for them well, set out large orchards and, becoming discouraged last year, a few commenced to cut down trees, while others, especially this year, are beginning to turn their attention toward better methods. Most of our orchard men are now hopeful for the future and it is only a question of time, in my opinion, until the orchard business will be on as prosperous and well managed a basis as the small fruit industry is now. Our growers are beginning to realize that they must spray and raise a better quality of fruit. Much credit for this is due to the work of the State Agricultural College. Neither our growers nor our customers have yet become educated to marketing in boxes, and it will take time for them to become accustomed to this way of packing apples.

The highest priced land in Doniphan county is Wathena fruit land, which has brought as high as \$350, and commonly sells from \$150 to \$250. It is hard to realize that only a few years ago this land was scarcely worth the taxes and could hardly be sold for from \$6 to \$10 an acre. The country around Sparks and White Cloud, and in fact all along over 100 miles of river front in Doniphan county, is especially adapted to the raising of the very best fruit the world can produce. Much of this land can be bought at from \$25 to \$50 an acre, which will be worth as much as our Wathena fruit land when it is used for fruit raising with the same industry and intelligence that has given Wathena a reputation far and wide for its small fruit.

While prosperity has rewarded the efforts of both growers and shippers of Wathena fruit, we realize that we have much to learn and that the industry is but in its infancy. We have much to hope for from the good work of the Kansas State Horticultural Society and the Agricultural College, and I do not doubt that each fruit growing community would be immensely benefited by occasionally sending representatives, not only to such gatherings as this, but to other distant and famous fruit sections, there to study and learn from the experience, the successes and the failures of others.



# DAIRY



The greatest source of loss in the dairy industry is the feeding of unprofitable cows.

Every silo user is an enthusiast. He knows how he ever got along with it. That's a good enough recommendation.

Are you endeavoring to improve your dairy herd? You can improve it every year. The way has been told a hundred times in these columns.

Plenty of windows in the cow barn. You need the light in going about the work and the cows will enjoy it. Plenty of light will in fact help you keeping the barn cleaner.

A good stool adds much to the comfort and satisfaction of milking. This stool has no use for the one legged cow. A well made three legged kind gives us the greatest satisfaction.

Dairying can be made very pleasant work and with little increased expense. Just a little care and a little change in handling the cows and providing for them will greatly increase the profits.

Consider that butter-fat can come only from the feed consumed. That if a cow eats heartily and she is capable of converting feed into milk she will be highly profitable. Dairy profit comes from feeding the right kind of a cow well.

Alfalfa hay should be grown abundantly on every farm, particularly on every dairy farm. It is the greatest milk producing roughage known to us or any other section. Be doubly sure your land will not grow it before you give up trying.

Study the use of cement in the construction of the cow stable. A cement floor and gutter will be a worthy acquisition to the dairy equipment. You can work the cement yourself and make a cement floor as cheap as any of any other kind.

Keep the hand separator in good repair. It is a fast running machine and failure to maintain proper adjustments means loss of dollars and cents. Keep its bearings clean, cover up when not in use and it will run well and last a long time.

While we are talking and thinking about producing milk and cream for the market let us not forget that milk and its products furnish for the family the most nutritious and palatable foods produced on the farm. Do not keep the family in consumption of products from the dairy.

Next fall's milkers should be safely calving at this time and if so will come fresh during September next year. The fall fresh cow makes her owner the most money. Begin right now to get on good feed for next winter. Do not forget to look up the silo question.

Cows need much water. The average milk cow requires about 81 pounds of water a day while in milk, and 53 pounds while dry. This includes the water in the food. The milk cow requires about 7 gallons a day as drink. The cow will not drink as much quantity of water per day if the water is near the freezing point. In cold weather give her a chance to get water immediately after pumping.

A famous painter was once asked how he mixed his paints to secure such marvellous results on his canvas and his reply was—"With brains, sir." However results are obtained that are worth while they represent vigorous mental effort. Some people think there is little to be known about cows and their handling. The average of cow intelligence in Kansas is not far from 100 pounds of butter-fat per year. The "knowing how" which would mean the mixture of some mental effort with the feed and care

would mean another 100 pounds from the same cow.

A heifer, sired by a good dairy bull and showing plainly the evidence of good breeding, commands readily from \$40 to \$60 just before she is ready to have her first calf. This can be brought about at from 20 to 24 months of age. It is profitable to raise them for sale as well as for taking the place of inferior cows that the dairyman must constantly discard from his herd in order to increase its productiveness.

A good New Year's resolution would be to get acquainted with your cows. Weigh the milk from each cow a few times during each month, taking samples and having them tested and computing the butter-fat produced by each cow during the year. KANSAS FARMER has given the plan for doing this work. A better knowledge of each cow and what she is doing will increase the income from the dairy.

Professor Haecker, the Minnesota dairy authority, points out a valuable lesson in cow management when he mentions that the average dairy cow of that state produces only 142 pounds of butter-fat a year, which is 100 pounds below what she could do were she handled properly. To prove this point he mentions the herd that has been in his charge for 18 years at the State University. This herd is made up of cows of average quality, such as you find on most any farm, but under the system they are handled the university cows have been averaging 250 pounds a year—all the result of intelligent care and feeding; and neither was it due to excessive or extravagant feeding as nearly all of the feed was grown on the university farm.

A Canadian paper says the exports of Canadian cream to the United States has developed into an important trade, which has proved very profitable to our farmers, from the fact that the shipment of the large quantities of cream has helped to sustain the price of butter and cheese. Had the cream that had been shipped across the border found its way into butter and cheese in Canada we should, no doubt, have had a demoralized market in both articles, as creamery butter would have sold down to 20 cents and cheese to 10 cents per pound, possibly lower. Farmers may, therefore, be thankful that their full production of milk this season, which has been the largest for years past, was utilized to such good advantage by the export of cream, that the prices of butter and cheese have not felt the depreciation that they would otherwise have done. Naturally the question arises why American farmers do not produce this cream. We have the feeds, the cows, the conditions, the intelligence to produce cream as cheap as Canadian farmers. Then why not grasp the opportunity and supply our own demand for dairy products?

A new form of water power permit and new regulations for water power plants on the National Forests were approved recently by the Secretary of Agriculture. The important changes under the new regulations are, that they provide for the issuance of a preliminary permit which secures to the party making the first application protection during the time necessary to make his final surveys and procure the data for the issuance of the final permit. The new permits will terminate at the expiration of 50 years, unless revoked sooner by the Secretary of Agriculture, and the charge will be based upon the net horsepower capacity of the plant, beginning with a charge of 10 cents per horsepower during the first year and rising gradually 10 cents per year to \$1 per horsepower in the tenth year, which charge will continue thereafter.



## Turn Your Waste Into Meat and Profits

How? Fence your farm so as to utilize your waste products. Fence is the important factor in rotation and alternate pasture. It enables you to convert waste into profit. With liberal use of gates, small fields are quickly thrown into big ones giving unlimited extension and alternation. The fence thus cuts down the cost and increases the production of the farm by turning waste into meat—your big profit-maker.

### Royal Fence

Is made of heavy, hard, stiff steel wire, the strongest and best possible to produce for fencing purposes. The stay or upright wires are continuous from top to bottom of the fence, and are secured to the horizontal wires by the Royal loop. The stays are rigidly held in place and side slipping prevented by being wrapped around the horizontal wires entirely within the tension curves. This construction forms a fabric of the utmost strength and flexibility—the best of the continuous stay fences.

#### Royal Fence Dealers Everywhere

There is a dealer in your town. Look for him. Tell him your particular needs. He will gladly show you his different styles of fence and explain their merits right on the ground where you can have them before your eyes and make your own comparisons. He buys in large quantities, gets the lowest carload freight rates and can sell you good fence at the lowest possible price.

FRANK BAACKES, Vice President and General Sales Agent

### American Steel & Wire Company

Chicago New York Denver San Francisco

Send for copy of "Royal Fence News," profusely illustrated, devoted to the interests of farmers and showing how fence may be employed to enhance the earning power of a farm. Furnished free upon application.

## 98% Of the World's Creameries Use DE LAVAL Cream Separators

Ten years ago there were a dozen different makes of creamery or factory separators in use. Today over 98 per cent. of the world's creameries use DE LAVAL separators exclusively.

It means a difference of several thousand dollars a year whether a DE LAVAL or some other make of separator is used in a creamery. Exactly the same differences exist, on a smaller scale, in the use of farm separators. Owing to the fact, however, that most farm users do not keep as accurate records as the creameryman, they do not appreciate just what the difference between a good and a poor separator means to them in dollars and cents. Nine times out of ten the farmer can't tell whether or not he is wasting \$50 to \$100 a year in quantity and quality of product through the use of an inferior cream separator.

Now, if you were in need of legal advice, you would go to a lawyer. If you were sick you would consult a doctor. If you had the toothache you would call on a dentist. Why? Because these men are all specialists in their line, and you rely upon their judgment and skill. When it comes to buying a separator why not profit by the experience of the creameryman? His experience qualifies him to advise you correctly. He knows which separator will give you the best service and be the most economical for you to buy. That's why 98 per cent of the world's creameries use the DE LAVAL exclusively.

There can be no better recommendation for the DE LAVAL than the fact that the men who make the separation of milk a business use the DE LAVAL to the practical exclusion of all other makes.

THE DE LAVAL SEPARATOR CO.  
165-167 BROADWAY 42 E. MADISON ST.  
NEW YORK CHICAGO

## BINDER

HAND BINDER for binding into bundles Corn, Kaffir Corn and Sorghum Fodder. Shocked, but not bound up. Binder easily carried from one shock to another. Cut price \$4.00. Also making a cut price on our Corn Harvester out of season. 3 Harvesters for the price of 2. Get your Harvester free. Write at once for Catalogue showing pictures of Binder and Harvester; also many testimonials from users of the Harvester. NEW PROCESS MFG. CO., Dept. A. Salina, Kansas.

## \$15.95 AND UPWARD AMERICAN SEPARATOR

SENT ON TRIAL FULLY GUARANTEED. A new, well made, easy running separator for \$15.95. Skims hot or cold milk; heavy or light cream. Different from this picture which illustrates our large capacity machines. The bowl is a sanitary marvel, easily cleaned. Whether dairy is large or small, obtain our handsome free catalog. Address AMERICAN SEPARATOR CO. Box 1119 BAINBRIDGE, N.Y.



#### RAILROAD EMPLOYMENT.

Positions guaranteed competent men. Men wanted—Age 18 to 35, for firemen \$100 monthly, and brakemen \$80, on all railroads. Experience unnecessary. No strike. Promotions to conductors or engineers, \$150 to \$200 monthly. Railroad employment headquarters. Over 500 men sent to positions monthly. State age; send stamp.

#### RAILWAY ASSOCIATION.

Care Kansas Farmer, Topeka, Kansas.



### FACTORY TO FARM—SAVE MONEY BUYING DIRECT

#### DAVID RANKIN

Who made himself America's foremost farmer, left a message to all farmers about

### RANKIN Manure Spreaders.

Two-Row Cultivators and other specially designed implements which made his wonderful achievement possible. Free catalog now ready. Write immediately for special introductory proposition. D. RANKIN MFG. CO., Box 51, Tarkio, Mo., U. S. A.

### THE GREAT WORLD'S FAIR PRIZE-WINNING SEED CORN

and all kinds of field seeds; also garden seeds at FARMERS' PRICES. Poland China male pigs and Barred Rock cockerels. Send now for catalog. It's free. It tells you how to grow corn. Big annual stock sale Feb. 17, 1911.

JOHN D. ZILLER, The Farmer Seed Corn Grower, Hiawatha, Kansas.





## I'm going to write an advertisement —I wonder if you'll read it

*It's about the Old Trusty. The world's biggest and fastest selling incubator*

I AM out here in my office at Clay Center, Nebraska, the place where most incubators come from.

I am making my plans for 1911 and they're pretty big plans for an incubator manufacturer to be laying out.

I am going to manufacture more incubators for 1911 than any five other incubator and brooder manufacturers ever sold in any one season.

I am going to sell 100,000 machines this year. I sold 75,000 last year, and then didn't have enough to go around.

Now, there has got to be a reason why I can sell so many incubators and brooders. Here in the factory and in my offices, we have had a great many arguments as to just the biggest reason why I have had such a tremendous business—and we've come to the conclusion that the main reason for my big business is because I make so many incubators and brooders that I can afford to keep the quality high and the price low.

I do not figure to make any certain number of dollars on any one machine; I just figure on 7 per cent above the actual cost, which makes my profit on each machine less than 70 cents—and the price that I offer them to my customers is under \$30, delivered, freight prepaid (east of Rockies)—on 30, 60 or 90 days' free trial.

Now, if you've read this advertisement so far, I wonder if you'll answer it and send me your name for

### My Own Free Book of 1911

People have been good enough to tell me that I get out a book that's of more real value to the man or woman who wants to make real money out of poultry than any book published. I take a great deal of interest and pleasure in writing this book every year. I never allow any theories to creep into it. Everything in my book is based on actual experiences in poultry raising for profit gained by myself and my 250,000 satisfied customers throughout the United States. And so, when you get this book you get actual facts about how to make money out of poultry and how to make it on the smallest money outlay at the start. I want you to get this free book—



Under \$10 Now  
Johnson Pays Freight  
(East of the Rockies)  
30, 60 or 90  
Days' Trial

10-Year Guarantee. Over  
80% Hatches Guaranteed.

and I'd like to have you own one of my Old Trusty Incubators and Brooders—but I won't feel bad if you don't buy after reading the book. I will feel bad, however, if you think of buying an incubator and brooder and don't send for my book first, because I'd like to put the details of my machines and what they've done for others before you; then I am willing to let you be the judge of the incubator you'll buy.

Please remember that I make nothing but incubators and brooders—it's the biggest industry of our section of the country. I'm not selling anything else—I'm not giving my time or attention to anything else, nor is my big family of factory employees doing anything else.

We do a good job of making incubators and brooders and selling a lot of them. That's all.

I can't tell you more in this advertisement, so I'll wind up by saying let me send you the book now while this advertisement is before you and the matter is in your mind. Then order or not, just as you see fit.

Write me a letter, postal, or fill out coupon printed here for your convenience.

**M. M. JOHNSON, Clay Center, Neb.**  
"The place where most incubators come from"

### M. M. JOHNSON COMPANY Old Trusty Incubators and Brooders Clay Center, Nebraska

Here's my name and address—send free big book and hundreds of actual reproduced photographs.

Name.....

Address.....

### \$5.20 Buys My Double Wall, Hot Water Fifty Egg Incubator

A better machine for the money cannot be had. Guaranteed to hatch every fertile egg. Double walls. Hot water tank covers entire top of egg chamber. Absolutely self-regulating. I've built incubators for 30 years.

### 800,000 Satisfied Users of Stahl Incubators

100 egg size, price \$7.60  
200 egg size, " \$9.60  
80-page catalogue shows full line of Excelsiors, Wooden Hens, Brooders, etc. Write for it to-day.  
**GEO. H. STAHL**  
Box 237-B, Quincy, Ill.



THINK OF IT

Ask the editor of this paper if Stahl and his incubators are right.

### FREE NEW BOOK THE NATIONAL INCUBATOR

This book entitled "1911 Notes on Poultry Raising" describes the "really different" incubator—the NATIONAL—and tells how to succeed with poultry, to discover useless eggs, to get big hatches, etc. Write now. It is FREE.  
**NATIONAL INCUBATOR CO.**  
133 18th Street Racine, Wis.



### 140 EGG INCUBATOR and 140 CHICK BROODER

Both \$10  
The incubator is both California Redwood, covered with asbestos and galvanized iron; has triple walls, copper tank; nursery, egg locker, thermometer, ready to use. 30 Days' Trial—money back if not O. K. Write for Free Catalog today.  
**Ironclad Incubator Co., Dept. 73 Racine, Wis.**

### TO SELL OR BUY

Wheat and corn in carload lots, call M. W. Cardwell, 467 New England Bldg., Bell 488, Ind. 70, Topeka, Kan. He pays the highest cash price and sells on the least margin.

### SALE TAGS

Hog rings, rubber stamps, seals, stencils, etc. Get free samples and catalog.  
**DARLING CO., Topeka, Kan.**



The cold snap came up so suddenly that birds without number have had their combs and wattles frozen. The best thing to do for frosted combs and wattles is to rub them with glycerine. Do this several times a day and they will soon heal.

It often happens that the wattles of a fowl will freeze, when its comb may escape the frost. This is because the fowl while drinking, dips its wattles into the water, and the latter freezes before it has time to dry. Rub the wattles with snow or cold water to take the frost out, then anoint with glycerine or vaseline. The bird should be kept in a house where water will not freeze.

Of course it is much easier to keep the birds from getting frosted in the first place, than it is to cure them after they get nipped. The only way to do this, is to provide a good warm house for them. Artificial heat is not necessary, for a house can be made snug enough to keep fowls comfortable, without any heat other than their own animal heat.

During cold weather, have the pens well littered with dry straw and scatter the grain in the litter. By keeping the hens busy scratching for their feed, you will also keep them warm and thus kill two birds with one stone.

The writer, this week, is at Wichita in charge of the State Poultry Show and expects to have a report of same for the next issue of KANSAS FARMER. He finds a great many breeders complaining that their birds did not do well this year, that they are not as large as usual. The breeders say that the extremely dry weather is responsible for this. Dry weather is supposed to be one of the requisites for successful chicken raising, but it seems that you can get it too dry, even for chickens. A certain amount of humidity in the atmosphere is also necessary for their proper development.

After all is said and done, there is nothing that will accelerate the egg laying propensity in a hen like green cut bone. By this is meant the fresh bones, with some meat and gristle adhering, that you get at the butcher's, and grind up in a regular bone cutter. Beef scraps that one buys in a dry state, seems to have had all the good substance squeezed out of it, with nothing remaining much better than sawdust. All meat scraps are probably not of this kind, but the majority that we have seen seems of little account. Any poultry breeder that keeps a few hundred fowls can afford to buy a bone cutter. It will pay him in one season, in the increased amount of eggs that the fresh cut bone will make the hens lay. Besides the feeding of this ration will keep the fowls in a healthier condition than when they have no meat ration. Instead of doping your fowls with egg tonics or egg makers, feed them some fresh cut bone and see if they won't shell out the eggs for you.

While riding from Topeka to Wichita January 3, the weather was not only below the freezing point, but below zero; still there were flocks of fowls all along the road that were out in the open air, and of course their combs and feet were bound to get frozen. Now a hen that has a frozen comb will soon quit laying, if she has been laying heretofore. It takes all her energy and reserve force to try and heal the wounds that the severe weather has done, and she has nothing left for egg making. When zero weather comes, the hens ought to be kept in the house and if you haven't a poultry house to accommodate them, you should build one, or quit raising poultry. Folks seem to provide a warm shelter for everything on their farm except the chickens, yet they need warmth more than anything else to do well.

### PROFITABLE POULTRY SELLING.

C. B. Owen, Lawrence, Kan., ran a little 6 line ad on this page in our December 17 issue. December 24 he wrote KANSAS FARMER as follows:

"The one insertion of my ad has brought me more than enough SALES to take all the stock I can spare."

On December 17 last, Chas. Dorr, Osage City, Kan., wrote us, saying:

"My little ad for \$1.40 sold for me 12 cockerels."

A little more than 10c apiece to sell roosters is a low cost. What is it costing you to sell yours? If you are not advertising in KANSAS FARMER, now is a good time to begin. We write ads without extra charge.

### Don't Work for Nothing.

We have often wondered why it is that some implement dealers persuade the farmer to purchase implements of inferior quality. There is only one logical reason for this, and that is that the dealer makes a larger profit on the inferior article. It is of vital importance to purchase a grain drill of known merit. Just think for a moment what a poor drill can do for the farmer. It will put in his crop in such poor shape as to invite failure, and thereby lessen his profits. In short he virtually works for nothing. Buy a grain drill of a well known make—a drill that will do your work right—a drill that will sow all known seeds and grasses and that will successfully handle all brands of commercial fertilizers, no matter how difficult to sow, and by all means get a drill that will enable you to reseed sod land in the right way. We have in mind the Farmers' Favorite, made by The American Seeding-Machine Co., Incorporated, Springfield, Ohio, and we advise our readers to write to them for their Farmers' Favorite catalogue; also go to your local dealer and ask to see this drill. It pays to own a good grain drill. If you want a good crop the way to get it is to plant it right. When you put in your seed any old time, and in any old way, you shake hands with that enemy of all mankind—Failure.

### OF EVERYDAY INTEREST.

Advice, like medicine, is more easily given than taken. Medicine does not always work the result expected. Neither does advice. Wherefore we are prone to forego giving advice. Nevertheless discussion of a proposition may lead to a general conclusion, which conclusion may turn out to be good advice to follow.

Every merchant has goods to sell, just as every farmer has his products to sell. Buying merchandise to fill one's needs, is no less a matter of business, than the production and sale of farm products. For a dollar saved is a dollar earned. The article or goods with the smallest price is not always the cheapest to buy. Nor is the highest priced article always the best to buy. Hence the necessity for the exercise of judgment, in spending one's money.

A reliable test of the worthfulness of merchandise offered, is found in the manner in which such merchandise will stand advertising. It costs money to advertise. Wide sales are necessary for any article to be widely advertised. If an article is not of sufficient merit to warrant its continued use, it cannot be advertised for very long. It is said, and truthfully, too, "that advertising will sell any article once, but it takes real merit in the article to get repeat orders." Hence any article that will stand five or six years of continued wide advertising can be accepted as an article of real merit, and really good value for its price.

This is not to say, however, that articles not advertised for five years or more are not meritorious. Every good thing has to make a start some time, and every day, newer and better things are coming on to the mar-



# Sam Thompson Says-

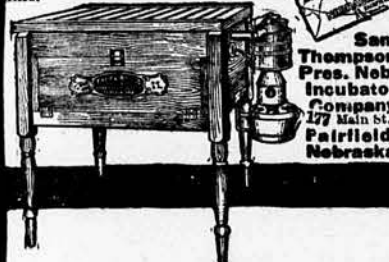
**Try Fairfield Incubator Hatches at My Risk—Guaranteed to Hatch % or Better.**



Poultry profits depend upon your incubator. The value of an incubator is judged by the hatch. That being the case, my Fairfield Incubator is the biggest value in the world for the money. It's built better—operates easier—hatches better than any machine you can buy. It's the world's best hatch. To prove it I will give you a machine for a two-hatch trial freight prepaid. I will give you an iron-clad guarantee that the Fairfield will hatch ninety per cent or better of all fertile eggs. If it fails, if it does not come up to my claims, it does not satisfy in looks, construction or in operation send it back at my expense. That's fair and square and I want every reader of this paper to accept my offer. Write today for

## This Big Poultry Book

**FREE!** It's a book worth having. It tells of Fairfield Incubators and Brooders. It explains every point that you might want to know about chickens, diseases, how to raise chickens profitably, how much room to allow for each, besides a hundred and one other facts worth knowing. It's the finest, most complete, the most valuable book of its kind ever published. It's free for the asking. Write for it today and get my Incubator Proposition before you buy any machine.



Sam Thompson Pres. Neb Incubator Company 177 Main St., Fairfield, Nebraska

## One Gallon of Oil—One Filling of the Lamp—Is All You Need for a Hatch

Think of the big saving of oil that means. Think of the big saving of time and bother. Read some of the reasons and you'll also understand why the X-Ray gives so much better hatches.

Our automatic trip cuts down the flame when the egg-chamber gets too hot. All others let the excess heat escape. That's why we use only one gallon of oil to the hatch, where others use 3 to 6 gallons. We put the lamp underneath, in the center, where it belongs—not on the side. So we get absolutely even temperature throughout the egg-chamber—no cold side. The X-Ray oil tank holds 4 to 8 quarts of oil—so there's no every-day filling of the lamp—no every-day fuss, smell and bother.



## Incubator

is the easiest in the world to ventilate and to turn the eggs in. That's because the door is at the top and all you do is to simply raise it up. There are two double-glass panels in it—so you can see the thermometer every minute without opening any door. And even the thermometer we use is different and better than any other. You should know all the facts about this wonderful X-Ray incubator and the X-Ray Brooder.

### Send Postal Now For FREE BOOK

See beautiful color-illustration of X-Ray Incubator. Read how well it's made. Best of materials—genuine California redwood, all enameled—steel-covered, beautiful rosewood finish, bottom and all. Legs galvanized steel, thoroughly braided. We'll let you try an X-Ray Incubator—and brooder too if you want it—for three hatches and we'll even pay the freight. Our guarantee fully protects you. Send us your name and address on a postal right now and ask for Free Book No. 34. Address

**X-RAY INCUBATOR COMPANY**  
Wayne, Nebraska.

## 155 Egg Incubator \$11.25

Chick Brooder

**FREIGHT PREPAID (East of Rockies)**

The Progressive has cold rolled copper tank, hot water heat, double disc regulator, self ventilating, deep nursery, high legs, double doors, safety lamp. It is made from Special Heat and Cold Resisting Material with hundreds of dead air cells. Write today. **PROGRESSIVE INCUBATOR CO., Box 130 Racine, Wis. G. C. WHEELER, Manager.**

## SEED CATALOGUE FREE

A postal request will get it.

**E. LEE ADAMS SEED CO., Kansas City, Mo.**

kets. The good ones succeed. The poor ones die out. How to judge of the merit of the new articles is another question. Nowadays, reputable papers will not accept advertising of anything of doubtful merit. KANSAS FARMER is one of these papers. The guarantee we print at the top of page 3 in every issue means just what it says. But getting back to our first story. Some folks say it does not pay to buy advertised goods, because the advertising cost is added to the price, and represents nothing of value to the consumer. This is a statement that will not stand up as a fact, when the subject is studied a little. Take for instance a pair of shoes. They are cheaper now than when they used to be made one pair at a time by the shoemaker, who was unknown to any one but his few customers. The big shoe factories have put prices down. And they are making better shoes. Now there couldn't be a big shoe factory without a big trade. There can't be a big trade without advertising. The advertising gets the big trade and the big trade cuts down cost of manufacture, cost of distribution—and cost to the consumer. If advertising did not cause the production of better goods, and reduce prices on them, there would be no advertising done. For in this day and age, nothing can long exist to any great extent if it does not supply the demand of some urgent human need.

The weapon afforded by advertising is the one most effective and most available to insure that competition which is the life of trade.

The moral of all this, is to ask for advertised goods, when making your purchases. When your dealer springs the old story about "something else is just as good and cheaper because not advertised"—just tell him you are paying for the goods, hence you are entitled to your free choice, which it is his business to furnish.

Also every time you mention KANSAS FARMER in writing advertisers, you help to force the maintenance of truthfulness in advertising statements, as well as the standard of quality in the goods advertised.

## Yield and Quality of Kansas Wheat.

(Continued from page 1.)

While it will be possible to improve our wheat both in yield and quality by giving proper attention to the planting of pure seed of well adapted varieties, such increase will be overshadowed by the constantly decreasing yield inevitable under the extensive single continuously cropping system now in vogue.

If Kansas wheat growers could be prevailed upon to divide their holdings and grow a greater diversity of crops in rotation, with wheat as their basic crop, and to feed more live stock on their farms, the manure from same to be returned to the soil, there would be more wheat produced in the state than we are now producing and from less than one-half the number of acres. In addition to this Kansas would have more good farmers, more live stock, better roads, and better schools, and a much richer as well as a permanent agriculture.

The higher the price of feed the more important becomes the balanced ration. A poorly balanced ration is expensive even when feed is cheap but no one can afford it when feed prices are high.

Agriculture is the foundation of all prosperity and live stock is its cornerstone. The man who farms most profitably feeds his grain and hay and sells the products of his acres in concentrated form. The manure he keeps as so much clear profit.

## It Costs You 1c

to write me a postal for free book about Queen Incubators on the make-good plan. Send it, friend. Try a



Low factory price, freight paid. 10 year personal guarantee. I've started over 61,000 people into money making on this plan. 1911 model is best of all. Book is ready for you and it tells. Send the card to-day to **WICKSTROM, QUEEN INCUBATOR MAN, Box 28, Lincoln, Neb.**

# RAYO INCUBATOR

## Many Superior Points

Requires 1 filling of tank—1 gallon of oil for entire hatch—Central heat gives equal radiation—Eggs always in sight—Turn eggs without removing nest shaped tray. Numberless testimonials prove Rayo is the best incubator on the market. Tell of 99% hatches. **Saves 2/3 Cost of Hatch—Requires 1/2 the Work** to operate. Built on simple, common sense principles. We pay the freight. 70 day trial. Our iron-clad guarantee backs our claims. Write today for our free catalogue. A postal will bring it. **RAYO INCUBATOR CO., Barber St. Blair, Nebr.**



## BREEDERS AND SHOW STOCK FOR SALE

1500 Plymouth Rocks, 1600 Wyandottes, 2000 Leghorns, Orpingtons, Reds and other leading varieties, cockerels and pullets. Am making prices to sell breeders and show stock. We have five times more poultry than any other breeder in the West, prices satisfactory and satisfaction guaranteed. Send for description circular. **W. F. Holcomb, Mgr. NEBRASKA POULTRY CO. Clay Center, Neb.**

## WHITE PLYMOUTH ROCKS

(EXCLUSIVELY.)

For 13 years I have bred White Rocks, the best of all purpose fowls, and have some fine specimens of the breed. I sell eggs at a reasonable price, \$2.00 for 15, or \$5.00 per 45, and I prepay expressage to any point in the United States. **STATION B. THOMAS OWEN, TOPEKA, KAN.**



## \$7.55 Buys Best 140-Egg Incubator

Double cases all over; best copper tank; nursery, self-regulating. Best 140-chick hot-water Brooder, \$4.85. Both ordered together, \$11.50. Freight prepaid (E. of Rockies). No machines at any price are better. Satisfaction guaranteed. Write for book today or send price now and save waiting. **Belle City Incubator Co., Box 18 Racine, Wis.**

## COUNTRY PRODUCE WANTED.

Ship us your Poultry and Eggs. Highest market prices paid in cash. No delay in returns. Make us a trial shipment. Write for free shipping tags. **E. C. WISE FEED, PRODUCE AND COMMISSION CO., 1127 Kansas Ave., Topeka, Kan.**

## PURE BRED POULTRY

**50 Best Paying Varieties** Pure-Bred Chickens, Ducks, Geese, Turkeys, Eggs, Dogs and Incubators. All at Low Prices. Send 4c. for my Book which gives reliable information worth many dollars to you. **W. A. WEBER, Box 934, Menkato, Minn.**

## PFIL'S 65 VARIETIES

Land and water fowls. Farm-raised stock, with eggs in season. Send 2c for my valuable illustrated descriptive Poultry Book for 1911. Write Henry Pfile, Box 621, Freeport, Ill.

**PRIZE WINNING MOTTLED ANCONAS.** Eggs: \$1.50 and \$2 per 15 or \$6 per 100. **W. H. Hardman, Frankfort, Kan.**

**40 VARIETIES OF GESE, DUCKS, turkeys, chickens, peafowls, guineas, pheasants, pigeons and rat dogs. Catalog 4 cts. F. J. Damann, Farmington, Minn.**

## PLYMOUTH ROCKS.

**BARRED ROCKS; PURE BRED; CHOICE birds.** Mrs. Ethel Hubbard, Welda, Kan.

**BARRED ROCKS, PURE BRED, BOTH matings, \$2 to \$3.** W. H. Molyneux, Palmer, Kan.

**WAGNER'S BARRED ROCKS, FARM raised; old and young; single, pairs, trios, pens, or in large numbers. Write for particulars. Mrs. E. C. Wagner, Holton, Kan.**

**BUFF PLYMOUTH ROCK COCKERELS.** Good breeding cockerels \$3 each, 2 for \$5, while they last. They are good value. **C. R. Baker, Box F, Abilene, Kan.**

**WHITE ROCK COCKERELS \$1.50 EACH** from pen that nearly all the stock is from Davis' first pen of prize-winning stock; satisfaction guaranteed. **Lula Frazee, Mt. Hope, Kan.**

**BARRED ROCK COCKERELS—WILL** sell 150 B. P. cockerels; bred from finest exhibition matings. I produced these after my 2 years in charge of E. B. Thompson's Ringlets; they are fine; priced low for quick sale; also some fine White Holland turkeys. **A. E. Blaker, R. 22, Parsons, Kan.**

**SHELLEY BROS.' BARRED ROCKS WON** 71 premiums, 34 firsts, specials and sweepstakes at Kansas State Poultry Show, Central Kansas Poultry Show and State Fair—a record never equaled. Fine breeders. Males, \$2 to \$5; females, \$1.50 to \$3.50. Satisfaction guaranteed. Circular free. **LOCK BOX 7, Elmdale, Kansas.**

## WYANDOTTES.

**CHOICE GOLDEN WYANDOTTE COCK-** erels \$1 each. **J. J. Croddy, Circleville, Kan.**

**PARTRIDGE WYANDOTTES FOR SALE.** Four cocks and 15 cockerels; prize winning stock. Write **S. S. Jackson, Scranton, Kan.**

**WHITE WYANDOTTE COCKERELS;** heavy birds; \$6c each. **Mrs. E. S. Louk, Michigan Valley, Kan.**

**COLUMBIAN WYANDOTTES—The Show-** best all-year layers. Eggs \$1.50 and \$3 per 15. Fine utility stock for sale. **F. E. Wells, 5900 Harrison, Kansas City, Mo.**

## S. C. BUFF ORPINGTONS

Single comb, high class, prize-winning birds. A few good cockerels for quick sale priced right. Eggs in season. Won 1st pen Topeka, 1911, show against 12 competing pens; won at Omaha and Kansas City in 1910. I certainly have the stock to please you and will quote you attractive prices if you write me at once. **EVERETT HAYES, R. F. D. 4, Hiawatha, Kansas.**

## FOR POULTRY SUPPLIES

Write the undersigned. All the chickens at the Topeka Poultry Show ate our Superior Scratch Feed. Prices moderate. **D. O. COE, Topeka, Kansas.**

## RHODE ISLAND REDS.

**CHOICE ROSE COMB RHODE ISLAND** Red cockerels \$1 and \$2. **Mrs. Fred Miller, Wakefield, Kan.**

**NEOSHO POULTRY YARDS—Rose Comb** R. I. Reds. A few good cockerels for sale. Prices reasonable. **J. W. Swartz, Americus, Kan.**

## BUFF ORPINGTONS.

**SINGLE COMB BUFF ORPINGTONS—** 40 fine cockerels, \$1 to \$5 each; eggs in season. **Mrs. S. T. White, Rose, Kan.**

**SINGLE COMB BUFF ORPINGTON PUL-** lets \$1 each; Rose Comb Buff Orpington cockerels \$2 and \$3 each. **Fannie Renzenberger, Greeley, Kan.**

**BUFF ORPINGTONS—25 GRAND COCK-** erels and mated breeding pens from trap-nested prize winning heavy layers. All described in my poultry book sent for 10c. **W. H. Maxwell, R. 95, Topeka, Kan.**

**BUFF ORPINGTON COCKERELS \$1.00.** M. Spooner, Wakefield, Kan.

## LEGHORNS.

**R. C. BROWN AND R. C. WHITE LEG-** horn cockerels and M. B. turkeys; all fine stock; satisfaction guaranteed. Address **W. M. Eagle, Melvern, Osage county, Kan.**

**MY STANDARD BRED S. C. BUFF LEG-** horns won at Newton 1st cock, 1st and 2d cockerel, 1st, 2d and 3d hen, 1st, 2d, 3d and 4th pullet, 1st pen. Stock for sale—cockerels \$1 and up. Eggs \$2.50 for 15; \$5 for 100. **S. Perkins, 801 E. First street, Newton, Kan.**

## LANGSHANS.

**BLACK LANGSHANS—WRITE ME FOR** prices. **Mrs. D. C. Poole, McDonald, Kan.**

**BLACK LANGSHANS—FROM HIGH-** scoring stock. Write me for prices. **Mrs. D. A. Swank, Blue Mound, Kan.**

**BLACK LANGSHAN COCKERELS FOR** sale; \$1.50 each; eggs in season. **H. C. Cohoe, R. 2, Buffalo, Kan.**

**EXTRA BIG BONED, GREENISH, GLOSSY** Black Langshans, R. C. and S. C. Reds; red to skin; red eyes; Indian Runner drakes \$1 and \$2 each. **Osterfoss Poultry Farm, Hedrick, Iowa.**

**FOUR HUNDRED FARM RAISED BLACK** Langshan cockerels and pullets from our Iowa State Show winners. We have bred B. L.'s exclusively for 25 years. They must be sold by Feb. 1. **U. S. Grant, Brooklyn, Ia.**

**BLACK LANGSHANS—WE HAVE THE** grandest bunch of cockerels we ever raised, bred from prize winners; all cockerels secured; score cards furnished. We have the shape, size, deep, glossy, greenish-black color; prize winners Topeka show, 1911; cut prices. **Haynes Farms, Grantville, Kan.**

## TURKEYS.

**LARGE WHITE HOLLAND TURKEYS** for sale. **J. L. Carmean, Neosho Falls, Kan.**

**MAMMOTH BRONZE TURKEY TOMS \$5,** hens \$3. **F. M. Brown, Onaga, Kan.**

**PURE MAMMOTH BRONZE TURKEYS** from prize-winning stock; satisfaction guaranteed. **L. M. Jamison, Sterling, Kan.**

**MAMMOTH BRONZE TURKEYS FOR** sale. **H. A. Sandborn, Detroit, Kan.**

Our Great Farm Library offer on page five of this issue will certainly interest every reader of KANSAS FARMER. Look it up.



**DREADNOUGHT**

## Another Victory Won

by the "Dreadnought"

# Moline

"The Car That Dreads Nothing"

**AGAIN** the 1911 Moline has demonstrated its invincible, unbeatable efficiency. This time with even a more remarkable showing than that of the 1910 Glidden Tour in which we won the Chicago Trophy and made a **better road and technical score** than any car entered regardless of size, power, price or classification. This time, in the recent

### 1000 Mile Chicago Reliability Run

Two \$1600 Molines Finished with

### Perfect Road Score

### Perfect Technical Score

### Perfect Tire Score

**Winning the Team Trophy and Tying for the Van Sicken Cup**

In addition they stood 3rd and 4th in gasoline economy test. This unequalled showing, following close on the heels of the Glidden Record, proves that the 1911 Moline "can't be beat"—that regardless of size, power or price you cannot buy a car with better road efficiency.

Think of it! In this 1000 mile run 29 cars started. Only three made perfect road and technical scores and two of the three were 1911 Molines which sell for \$250 less than the only other perfect score car.

Not a tool was touched—not a bolt loosened—not a skip made and this was a "non-stop" contest. That is, motor could not be stopped between controls, not even for tire trouble. These two perfect score Molines also came through the entire 1000 miles with **perfect tire scores**.

Contests like this and the Annual Glidden Tour being run over country roads furnish the farmer with the most practical demonstration of a car's real worth in the same kind of service as he will use it. They show conclusively how well a machine will negotiate hills and valleys, mud, water, sand and ruts, and how well it will withstand wear and tear, leaving little for the buyer to guess about. They are the safest buying guide to follow.

Send for catalog No 33 and read detailed description of the Dreadnought Moline and its wonderful 4x6 Long Stroke Motor.

**Moline Automobile Co. 33 Keokuk Street E. Moline, Ill.**



5 Passenger Touring \$1650  
4 Passenger Toy Tonneau \$1600  
4 Passenger Fore-Door \$1650  
35 h. p.; 36 inch wheels; 112 wheel base

### FREE TO FARMERS

A Valuable 160-page book entitled  
**"SILO PROFITS"**

Written by 200 of the most successful Feeders, Farmers and Dairymen in the World. Every farmer in America should read this book, and as long as our supply of these books lasts we will mail one copy free to each person asking for it. It gives the actual experience of these farmers and in their own words.

Our factories are located at Anderson, Ind., Des Moines, Iowa, and Kansas City, Mo. Write NOW for this book **"Silo Profits"**

**INDIANA SILO COMPANY**  
311 Union Building, Anderson, Indiana

### ONE MAN HAY PRESS

ONE OR TWO-HORSE, AND  
GASOLINE BELT POWER.



Self-Feeder, Self-Thresher and Knotter. All Steel, full circle. Guaranteed 1 ton an hour with ONE OPERATOR. 1 1/2 tons an hour with two men. FREE trial. Write **TUTTLE HAY PRESS CO., 621 S. Adams St., Kansas City, Kan.**

### SAVE \$40.00 On This Pitless Scale



Write Today For My **Special Offer** On This Guaranteed

#### "Knodig" Pitless Scale

I am making an offer that every farmer should know about. It will cost you nothing to put the scale on your farm and use it for four weeks. I will make you a special price this month as an advertising proposition. The Knodig is the best scale on the market. Bought by U. S. Government. Write now for free literature and special offer.

**NATIONAL PITLESS SCALE CO.,**  
2004 Wyandotte Street, Kansas City, Mo.

### 5-ft. Boiler Steel Hogtroughs \$1.95



Write for free descriptive circular  
"Made of Heavy Boiler Steel 1-8 in. Thick"  
**FULTON SUPPLY CO., 1617 Fulton St., Chicago, Ill.**

### A FARMER'S 4,000 MILE AUTOMOBILE TRIP.

OVERLAND FROM PRESCOTT, ARIZONA, TO TAMPA, FLORIDA, BY WAY OF CHICAGO.

"My wife's health made it necessary for us to seek a milder climate for the winter. So while I was in Los Angeles, Calif., last fall I bought an automobile, for the purpose of making an overland trip from Prescott, Ariz., to Tampa, Fla. As I had occasion to be in Chicago, within a short time, I decided to take in that city on my way to the southeast.

"In buying my car, I had in mind the long trip, over roads unknown to me, so I made a careful investigation of a large number of machines, and finally decided on a well-known make, because of what I considered its very sturdy construction.

"My son and I left Prescott (my wife having started before us, by train), September 7. We drove north into the Colorado mountains, going through Trinidad, La Junta, and Hawley. We entered Kansas, passing through Dodge City, Lyons, Strong City, thence to Junction City, where we made a three days' stop. We continued on to Kansas City and Excelsior Springs, Mo., and passed into Iowa, going on through Seymour, Centerville, Washington and Davenport. We arrived at Moline, Ill., at 1 p. m. Monday, October 3.

"We spent some time in Moline while there, and enjoyed entertainment by the manufacturers of my car. We proceeded on the second lap of our trip, leaving Moline at 3.30 p. m., October 6, and arrived at Tampa, Florida, just 24 days later, October 30, at 2 p. m. During this second part of the trip we spent 3 days at Madison, Wis.; one day at Elgin, Ill., and one day at Atlanta, Ga.; one day at Jacksonville, Fla., and one day at Gainesville, Fla. This last stop was made on account of rain.

"We had no trouble with the automobile, whatever. There were no breakages of any kind, on the whole trip, except the loss of one fan-blade. We found, on arriving in Tampa, that the only thing necessary to put the machine into good running order, was to slightly take up the connecting rods. We had traveled through 13 different states and territories, covering about 4,000 miles.

"In Illinois, Wisconsin, Indiana, Tennessee, and Georgia we found the roads excellent, especially in Georgia. In this state we hardly found one mile of bad roads. But in Kentucky and Alabama the roads were simply terrible. In Florida had the machine been 60 inch tread, it would not have been so bad but I want to say right here I believe there can be no better test of the staying qualities of a machine than putting a 56 inch tread in the Florida sand when nothing but the 60 inch is used. This makes it necessary for two of the wheels to break down the soft sand and at all times with little or no traction. We traveled for miles with the rear wheels spinning at 30 miles per hour and the car moving about two. Anything in the shape of mountains we found in Arizona we found easy compared with this.

"In Florida a few days before we arrived here, there had been the heaviest rain known in years. In consequence the streams were far above their normal size with bridges being washed out and causing us to ford a number of streams. The engine was filled with water three different times but only once did we call for help other than our own power and as it proved later this was the last stream we had to cross. But we finally stuck and 'stuck' right' too, for it took the combined effort of two big mules, four men and the engine to life the machine out of the sand and water. The machine stood in the water all night and also in a hard rain at the same time. Consequently I expected little help from the engine in getting the machine out, but after turning it over once, to quote from one of the helpers, 'The engine is in fine working order.'

"Taking out the time we spent at different points on the route, we were just 37 days in covering the 4,000 miles. Two of the same tires we started with are still in use and will be good for several miles yet.

"We carried a complete equipment in the rear tonneau, so that an overnight stop could be made at any point where we were unable to obtain accommodation, the outfit consisting of a complete set of tools and a camping outfit of cooking utensils, bedding, etc.

"We met with no extraordinary ex-

periences on the trip and found only one man who wanted to fight on account of his horse getting scared of the machine; saved one lady from a possible serious accident by catching her horse, jumping from the machine before it had come to a standstill. As a rule people were very good in regard to the machine scaring their teams and were also very good about giving directions. We enjoyed every moment of the trip.

"Approximately the lowest amount of gasoline used was one gallon to eighteen miles and the highest was one gallon to eleven miles. Our highest altitude reached was 10,000 feet. The whole trip was indeed very pleasant, even being stuck was not so bad, and the experience we had of getting a general line on the country and people was something that could not be bought with money and always will be remembered.—W. H. Clark, Tampa, Fla."

### No Well-Founded Complaint Against the Farmer.

After presenting many details with regard to the increase of prices on farm products between farmer and consumer, the Secretary of Agriculture declares that "the conclusion is inevitable that the consumer has no well-founded complaint against the farmer for the prices that he pays. The farmer supplies the capital for production and takes the risk of his losses; his crops are at the mercy of drought, and flood, and heat, and frost, to say nothing of noxious insects and blighting diseases. He supplies hard, exacting, unremitting labor. A degree and range of information and intelligence are demanded by agriculture which are hardly equaled in any other occupation. Then there is the risk of overproduction and disastrously low prices. From beginning to end the farmer must steer dextrously to escape perils to his profits, and indeed to his capital, on every hand. At last the products are started on their way to the consumer. The railroad, generally speaking, adds a percentage of increase to the farmer's prices that is not large. After delivery by the railroad the products are stored a short time, are measured into the various retail quantities, more or less small, and the dealers are rid of them as soon as possible. The dealers have risks that are practically small, except credit sales, and such risks as grow out of their trying to do an amount of business is small as compared with their number."

In continuation of this subject, the Secretary of Agriculture suggests that the problem of high prices is one for treatment by the consumer. "Why do not consumers buy directly from the farmers?" he asks. "A distribution of farm products in this simple way has already begun in England where co-operative organizations of farmers are selling by direct consignment to co-operative organizations of consumers in cities. Farmers' co-operative selling associations are numerous in this country, but co-operative buying associations among the people of cities and towns are few. Aside from buying associations maintained by farmers, hardly any exist in this country. It is apparent, therefore, that the consumer has much to do to work out his own salvation with regard to the prices that he pays. Potatoes were selling last spring in some places where there had been overproduction for 20 cents and in some places for even 9 cents per bushel at the farm, while at the same time city consumers in the East were paying 50 to 75 cents per bushel, although there was nothing to prevent them from combining to buy a carload or more of potatoes directly from the grower and for delivery directly to themselves."

One good thing about the cream separator is that it collects most of the dirt and filth which was in the milk. This may also be a bad thing if the bowl is not carefully washed after each milking.

Bacteria in everything you eat and drink and breathe. If you eat and drink and breathe bacteria you will surely die. That's what Methuselah did.

Nobody else will take care of your health, your morals or your character.

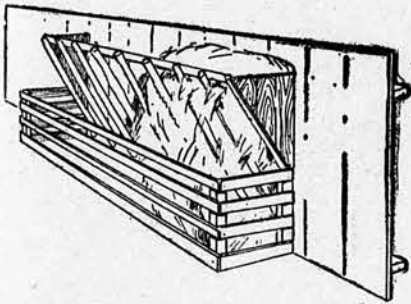
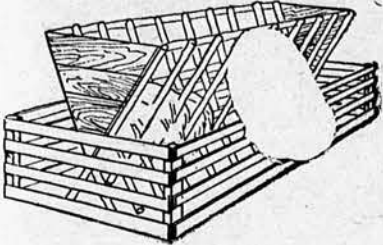


**Shelter with Feed Rack.**

A Johnson county subscriber asks for information about the proper construction of a feed rack and states that the one he is now using permits the waste of too much hay.

There are two important questions which ought to be considered in building a feed rack. These are, economy, which includes convenience in feeding, and location. Most feed racks are built in the middle of an open lot which is not sheltered from storms and about which there is likely to be a depression worn out by the hoofs of the animals until water or ice forms the footing, or else it becomes filled with waste hay which is almost equally objectionable. Such racks cannot be filled readily nor can the cattle feed at them in the greatest comfort.

The first drawing shows a feed rack in very common use which has been constructed with a view to obviate some of these difficulties. It is a good



rack, not difficult of construction and quite saving of feed. It is a decided improvement over the one our Johnson county friend describes in that his is made with the slats running horizontally instead of vertically as here shown.

The lower drawing shows about the same construction except that it is only a half rack which is backed by a high, tight board fence. This form has several advantages. The driver can reach it from the other side of the fence without having to open gates or drive among the hungry cattle to unload. It also furnishes a splendid windbreak if the fence is set east and west and the rack built on the south side of it. I have seen this form of rack used by a good many farmers and feeders who express their satisfaction with it though some of them had built it against another building or behind a hedge row or a grove of trees. In these cases the protection was secured though the convenience in filling was lost. Cattle will eat more and do better when made comfortable.

**Corn Growers' and Stockmen's Convention.**

Beginning January 16, 1911, and continuing two full weeks, the Corn Growers and Stockmen of Illinois will hold their annual convention at the College of Agriculture. Three lectures a day will be given upon topics of general interest to Illinois agriculture. The remainder of each day will be devoted to work in corn judging, farm mechanics, judging of live stock, study of soils, and special instruction in dairying.

No entrance examinations are required for this two weeks' course. The registration fee is two dollars.

Following the Corn Growers' and Stockmen's Convention, beginning January 31, the State Horticultural Society, in conjunction with the Cook County Truck Growers' and the State Florists' Associations, will hold a two weeks' institute. Programs may be secured by addressing the College of Agriculture, Urbana, Ill.

You fight shy of isms. Which is worse pugilism or rheumatism?

A free lunch is always the most expensive.

**Latest News on Farm Power**

More and more farmers report great success and satisfaction with the first really simple farm power. The Great Western 2-cycle triumph is assured. Having done away with valves and all other complicated, weak parts—and by applying power at every stroke of the piston we offer the one engine practical for every farmer.

**Great Western Engines**

have only 2 moving parts about cylinder—others have 25 to 50. Every stroke develops power—in others every other stroke. That's why Great Westerns give steady power and last while others give jerky power and wear out, need repairs. Get the facts, guarantee and prices. Free Book of Valuable Hints. No. 1033. Write now. SMITH MANUFACTURING CO. 158 Harrison St., Chicago, Ill.

**BROWN FENCE****Rust Proof—Bull Strong**

Fences for horses, cattle, sheep, hogs, chickens, etc. 160 styles.

**BARGAIN PRICES:**

14 Cents Per Rod Up.

We pay the freight. Lawn Fences and Gates. Free catalog and sample.

The Brown Fence & Wire Co., DEPT. 39 CLEVELAND, OHIO

When writing advertisers please mention Kansas Farmer.

**The One Harrow Bargain of 1911**

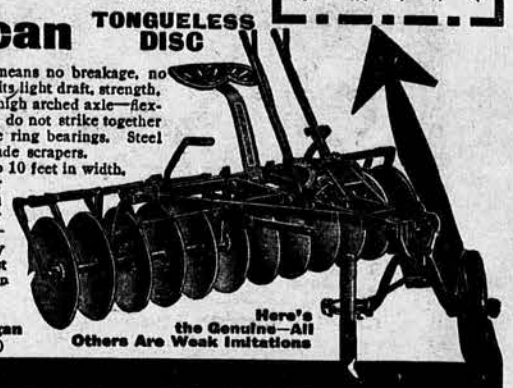
Proved on Thirty Days Free Trial—No Money Down Cash or Credit—Long Guarantee—and Freight Paid

No other harrow can equal this original tongueless disc for quality. And our factory price makes it the leader in value. It's the only genuine tongueless disc—all others are weak imitations and don't save your time or horses or money. We let you prove the superiority of the Detroit-American on our real free trial—no money in advance, no deposit and we pay the freight. If you decide to keep the machine after the trial send money or pay on time. Either way, our unlimited-time guarantee protects you forever. Get our book and price before you take a step towards buying any harrow.

**Detroit-American TONGUELESS DISC**

Is the only all steel tongueless disc made. This means no breakage, no repairs or costly delays in busy season. Read about its light draft, strength, durability and efficiency. Wide tired steel wheels—high arched axle—flexible pivot—uniform cutting steel disc sections which do not strike together in the center. End thrust taken up by hard maple ring bearings. Steel separators between blades. Pipe rollers. Long blade scrapers. Get the harrow you want—16 sizes cutting from 4 to 10 feet in width, with 16, 18 or 20-inch blades. Cutaway or regular round disc blades furnished as ordered. We give you everything anybody else does and more. A better harrow—a bed-rock factory price—a real-free trial—cash or credit—unlimited time guarantee and we pay the freight. Send coupon or postal right now for best book and prices on harrows—also Detroit-American Manure Spreaders and Cultivators. Address

AMERICAN HARROW COMPANY  
10140 Hastings Street Detroit, Michigan  
(Warehouses in Many Cities Insure Prompt Delivery)



AMERICAN HARROW COMPANY  
10140 Hastings Street, Detroit, Mich.  
Send me your new, big book, free, and quote me your low, direct factory price.

Name.....  
From.....  
R.F.D. ....

SEND COUPON NOW

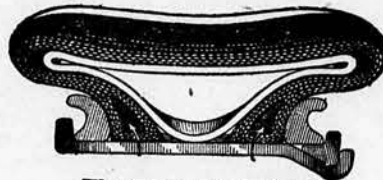
**How to Save Half on Your Tire Cost**

Here are tires which, until lately, cost 20% more than the ordinary. All because they can't rim-cut, and because they are oversize. Now these same tires, which save half on one's tire bills, cost no extra price.

We have sold half a million Goodyear No-Rim-Cut tires at 20 per cent more than the price of other standard tires. Last year our tire sales trebled—jumped to \$8,500,000.

All because the tires can't rim-cut, and because Goodyear tires are 10 per cent oversize.

Now these same tires—No-Rim-Cut tires—tires 10 per cent oversize—cost no extra price. Our multiplied output has cut the cost of production. All motor car owners should insist on them now.



The 63 Braided Wires

**No Rim-Cutting**

The picture shows how a Goodyear No-Rim-Cut tire fits any standard rim for quick-detachable tires. Also demountable rims.

Note that the rim flanges—which are removable—are turned to hook outward with No-Rim-Cut tires. There are no hooks on the tire base to hook into this flange, as there are on other tires.

The rounded flange comes next to the tire casing, and rim-cutting is made impossible. Half a million of these tires have been used.

We have run them flat in a hundred tests—as far as 20 miles. Yet there has never been a single instance of rim-cutting.



The Cause of Rim-Cutting

The above picture shows how an ordinary tire—a clincher tire—fits this same standard rim. The removable rim flanges must be turned to face inward—to grasp hold of the hooks in the tire. That is how the tires are held on.

Note how that thin edge of the rim flange digs into the tire. That is what causes rim-cutting. That is how tires are wrecked beyond repair if you run them flat, even for a few hundred feet.

That rim-cutting ruins more auto-

**Goodyear Tires 10% Oversize**

Here is another feature which, with the average car, saves 25% on the tire bills.

The Goodyear—while it fits the rim—gives you 10% more tire for your money. That means 10% more carrying capacity. It means, with average conditions, 25% more mileage per tire.

The reason is this: Motor car makers, in adopting tire sizes, figure on the weight of the car as they sell it and the weight of the passengers at 150 pounds each. They supply the tire size to support

mobile tires than any other single cause.

**How We Avoid It**

The difference is simply this: In the Goodyear No-Rim-Cut tires there are 63 braided piano wires run through the base on each side. That makes the base unstretchable. The tire can't creep on the rim, and nothing can possibly force it over the rim.

When these tires are inflated the braided wires contract. They are then held to the rim by a pressure of 134 pounds to the inch.

That is why Goodyear No-Rim-Cut tires don't need to be hooked to the rim. The rim flanges can be turned to hook outward, and you can't rim-cut the tire.

Other makers, to meet our competition, run a single wire through the base. Or they use a hard rubber base. But neither plan will do. The braided wires, which contract under air pressure, are absolutely essential to a safe hookless tire. And we control that feature.

that load, but they rarely leave any margin. They cannot afford to at the present prices for cars.

You may add a top, a glass front, gas lamps, gas tank, an extra tire, etc. And passengers may over-weight. With nine cars in ten the expected load is exceeded. The result is a blow-out—often while the tire is new. Overloading, with the average car, adds 25% to the tire cost.

**We Save that 25%**

When you specify Goodyear No-Rim-Cut tires you get 10% oversize without extra cost. That prevents overloading. It adds, on the average, one-fourth to the tire mileage.

We give you this extra size without extra cost to protect our reputation. When tires are wrecked by overloading, one naturally blames the tire maker. We wish to avoid that blame.

There are many other things you gain when you specify Goodyear No-Rim-Cut tires. They are all told in our book, "How to Select an Automobile Tire." Ask us to send it to you.

**GOODYEAR**  
No-Rim-Cut Tires

**The Goodyear Tire & Rubber Co., 42nd St. Akron, O.**

WE MAKE ALL KINDS OF RUBBER TIRES  
Branches and Agencies in All the Principal Cities





### These Two Spring Style Books Are Yours Free

Spring Styles are greatly changed—are radically new and most delightful. Never has style news been so interesting, fashions so pleasing, and never have such fascinating Style Books been published as these two reserved for you.

One Book is now ready—the "NATIONAL'S" Advance Sale of New Spring Styles. This Book we want to send you free by return mail.

Copyright, 1910, National Cloak & Suit Company

The Second Book is the wonder of the Fashion World—the great "NATIONAL" Style Book—224 pages filled with beautiful fashion plates of "NATIONAL" garments offered at money-saving prices. This book, also yours free, will be sent you about January 27th.

Now here is your part. We very much want you to have these Books. We have reserved them for you, but—we need your name and address. So just now send us your request for these Style Books. One will come to you by return mail—the other about January 27th. Both will be sent you free.

### A \$2.00 All-Over \$1.00 Embroidery Waist of Fine Quality

This is a "NATIONAL" opportunity—an offer of a \$2.00 waist for \$1.00. And we mean exactly that—without penny's exaggeration.

No. C. 618—This beautiful, new design is made of imported all-over Swiss Embroidery of fine quality. The waist is entirely made of the embroidery—front, sleeves, back and all. The front is made with the new points of insertion trimmed with a very full edging of fine Val and crocheted balls. It has the new Parisian straight cut long sleeves, with French band cuffs trimmed with small, flat pearl buttons. This waist will launder easily and beautifully, will wear well, and is extremely stylish and becoming.

Special friend-making price \$1.00 Expressage prepaid by us.

Just put a one dollar bill in an envelope, give us your size, and get this two dollar "NATIONAL" bargain. If you are not delighted with it we will refund your money upon request. Be sure to state the size desired.

And don't forget to write for your Style Books.

National Cloak & Suit Co.  
257 West 24th St., New York City  
Mail Orders Only—No Agents or Branches



### MAPLEINE FLAVORING

Use it like lemon and vanilla. A delicious syrup is made by dissolving white sugar in water and adding Mapleine. Grocers sell Mapleine; if not, send 35c for 2oz. bottle and recipe book. Write to Dept. CRESCENT MFG. CO., Seattle, Wash.

**Advance**  
17 YRS. THE SAME

**Before You Buy**  
Get our direct from factory prices on the old, reliable Advance Fence—17 years a leader. You save all the middlemen's profits—  
**Save Money—13 Cents a Rod**  
and up. Hog, sheep, poultry, fruit and farm fence. Endless stay wires—no outside—no rust. Sold on money back guarantee. Freight paid. Write for "fresh" prospectus to you catalog today.  
ADVANCE FENCE CO.  
Box 40, Elgin, Ill.

**13 1/2 Cents a Rod**

For 18-in. 14 1/2-in. for 22-in. Hog Fence; 15c for 26-in.; 18 1/2-c for 32-in.; 25c for a 47-in. Farm Fence. 48-in. Poultry fence 1 1/2-c. Sold on 30 days trial, 80 rod spool Ideal Barb Wire \$1.45 Catalogue free.  
KITSELMAN BROS.  
Box 61 MUNCIE, IND.

**WAGON SENSE**  
Don't break your back and kill your horses with a high wheel wagon. For comfort's sake get an  
**Electric Handy Wagon**  
It will save you time and money. A set of Electric Steel Wheels will make your old wagon new at small cost. Write for catalogue. It is free.  
ELECTRIC WHEEL CO., Box 34, Quincy, Ill.

**RIDER AGENTS WANTED**  
In each town to ride and exhibit sample sport bicycle. Write for special offer. We ship on approval without a cent deposit, allow 10 DAYS FREE TRIAL and prepay freight on every bicycle. **FACTORY PRICES** on bicycles, tires and sundries. Do not buy until you receive our catalog and learn our unheard of prices and marvelous special offers. Tires, coaster brake rear wheels, lamps, sundries, half prices. Write for our prices and description before buying.  
MEAD CYCLE CO., Dept. F 296 Chicago, Ill.

**Lightning Pitless Scales**  
New Pattern. Solid Channel Steel Frame  
Channels are seven inches which is the height of platform from ground. Levers are octagon in shape giving greater strength. Bearings are Toolsteel. This scale will last a life time with ordinary care. Equipped with compound Beam Free. Furnished absolutely complete except platform planks. Guaranteed accurate and tested to more than its capacity. Write for our prices and description before buying.  
KANSAS CITY HAY PRESS CO., 129 Mill St., Kansas City, Mo.

# HOME CIRCLE



The Song of the Wind.  
The wind that sighs in the chimney flue,  
What does it say to me and you?

Rich is its haunting minor key—  
Mooning for things that can never be.

Or things that are lost to the day and sun,  
Back in some black oblivion.

It moves on wings from the misty past,  
Over its gloom are shadows cast.

It whistles a dirge for ancient days—  
Solemnly sad are the tunes it plays.

Its volume rises and falls. It fills  
The heart with tremors and doubts and thrills.

It roams the breadth of the sea and earth,  
But it never harbors a note of mirth.

O, gray old harper, in wondrous ways,  
Your requiem tells of the yesterdays—

But who that lives can the tale translate,  
Or quote the presage of Life and Fate?

But sing away, in the chimney flue,  
Of things that are old and things that are new—

Till sorrow and suffering seem sublime—  
To the very ends of the sands of Time!  
—Joe Benton, in Success.

"Nothing is so new as what has  
been long forgotten."—Goethe.

A Near Neighbor.—"Was your husband kind to you during your illness?"

"Kind? Oh, indade, mum, Mike was more loike a neighbor than a husband."—Life.

"The people once belonged to the kings; now the kings belong to the people."—Heine.

No one was ever hurt while taking a joy ride on a pair of plow handles.—Amsterdam, N. Y., Enterprise.

It is said that a good way to soften the leather of boots and shoes is to rub them thoroughly with castor oil. Any oil will do but castor oil is the best.

When making a nut cake place the meats in a wire basket or strainer and steam for a few minutes, then flour them thoroughly and stir into the batter and they will be evenly distributed through the cake.

A most excellent material for making children's dresses, especially those for little boys, is galatea. It wears well and launders well, two essential points in the little folks' wardrobe.

In filling kerosene lamps be careful not to fill to the top with the oil, for when brought into a warm room expansion will cause an overflow, and consequently an oily lamp even though it was wiped clean and dry in the beginning.

In cold weather those who wear glasses are troubled by the steam settling on them when they go out doors. It is said that a good way to prevent this is to rub both sides of the lenses with soap, then rub them off with a soft cloth and polish with tissue paper.

In 1760, there were about eight mails a year from Philadelphia to the Potomac river, and even then the post driver need not start until he had received enough letters to pay the expenses of the trip. It was not until postal affairs were placed in the hands of Benjamin Franklin that there were any regular or trustworthy mails in that section of the country.

A Novel Dessert.  
Cook cranberries as for sauce and pour over sliced oranges. Serve cold with or without whipped cream.

Advocates Extreme Measures.  
"He's a great reformer, isn't he?"  
"Oh, he's worse than a reformer. His ideas would upset the whole social and business world. He said if he had his way he'd put in jail everybody who ought to be there."—Philadelphia Record.

The science of home making, of human life, means to every human being, when rightly expressed, health and happiness. We constantly try to correct conditions, but seldom go to

the foundation of the matter and study the causes that produce these conditions. The chief of police of Chicago recently said that the great prevalence of wrongdoing is among the young. Those freshest from the home are giving the authorities the greatest amount of trouble. The young fellows, between 17 and 21 years of age, are the trouble makers. We are trying to find out why they are going to the bad. Taking the cases of 100 young men and young women and examining them last year, we find the three principal reasons to be extravagant habits, the saloon or dive, and inability to perform remunerative work. The latter is doing more to start the wrongdoing than the saloon or the dive, and bringing children up in idleness and educating them to live beyond their means has its start in the home circle. This is not due to the laws or lack of laws in the land, but to the ignorance and neglect of parents.—Mrs. H. M. Dunlap.

### 8761.. The Newest in Work Aprons.

Cut in sizes small, medium and large. The medium size will require 3 1/2 yards of 36 inch material. This apron is just what the busy housewife needs in doing the work about the house. It is not only a protection to the dress, but attractive as well. The front is in princess style while the fullness in the back is held in place by



a belt. Percale, gingham, and linen are all used in the making.

A pattern of this illustration will be mailed to any address on receipt of 10 cents in silver or stamps.

### Poor Richard's Sayings.

For want of a horse the rider was lost.

Being overtaken and slain by the enemy.

All for want of care about a horse-shoe nail.

What maintains one vice would bring up two children.

Many a little makes a mickle.

Fools make feasts and wise men eat them.

When the well is dry they know the need of water.

Wouldst thou know the value of money try to borrow some.

He that goes a-borrowing goes a-sorrowing.

Pride is as loud a beggar as want and a great deal more saucy.

Pride that dines on vanity sups on contempt.

Pride breakfasted with plenty.



lined with poverty and supped with infamy.

The second vice is lying; the first is running into debt.

Lying rides upon debt's back.

It is hard for an empty bag to stand upright.

Creditors have better memories than debtors.

They have a short lent who owe money to be paid at Easter.

Plow hard while sluggards sleep, and you shall have corn to sell and to keep.

He that by the plow would thrive, himself must either hold or drive.

#### Why Prices Are Higher.

Last winter during the agitation over the high cost of living, particularly the high level of food prices, the Senate appointed a commission to investigate the matter. This commission gathered a great deal of evidence and the majority recently submitted a report in part as follows:

Of the many causes contributing to the advance in prices the following were most marked:

Increased cost of production of farm products by reason of higher land values and higher wages.

Increased demand for farm products and food.

Shifting of population from food production to food consuming occupations and localities.

Immigration of food consuming localities.

Reduced fertility of land resulting in lower average production or in increased expenditures for fertilization.

Increased banking facilities in agricultural localities, which enabled farmers to hold their crops and market them to the best advantage.

It was found that this not only steadied prices, but had a tendency to increase them.

Cold storage plants which result in preventing extreme fluctuations of prices of certain commodities with the seasons, but by enabling the wholesaler to buy and sell at the best possible advantage, tend to advance prices.

Increased cost of distribution.

Industrial combination.

Organization of producers or of dealers.

Increased money supply.

Over-capitalization.

Higher standard of living.

The findings were gathered by measuring the prices of 257 commodities. These commodities were grouped and the advances noted for the different groups for the period from 1900 to 1909, inclusive. The general wholesale price level in the United States advanced during that period 14.5.

It is shown that the greatest advances have taken place in the products of the soil. The report states that in view of the fact that the increases have been so much greater in products coming either directly or indirectly from the farms than in any other line excepting products of the forests, the conclusion must be reached that the most important cause of the present advance is to be found in a study of farm conditions.

#### Burdette's Family Quarrel.

As far as an unfeeling world has been able to discover, the inimitable Bob Burdette and his present wife have had only one serious quarrel. That one was on account of the ubiquitous "other woman" who refused to give some little time to be explained away.

It began one afternoon when the humorist was summoned suddenly from his desk. He had been writing a letter, and Mrs. Burdette, who happened to be passing the desk while he was out of the room, let her eyes wander by chance over the astounding words:

My Dear Love—Your most welcome misadventure is at hand, and I cannot tell you how delighted I was to get your invitation to join you in St. Louis. There is only one thing in the way. Of course, Mrs. B. will accompany me on the trip, and I shall have to—

There the letter ended in a little crawl of the pen as the result of the sudden ringing of the bell. Mrs. Burdette had not meant to pry into her husband's private correspondence. She had been sure he had no secrets from her, no affairs with other women, and yet here was the indisputable evidence lying right before her eyes. If he had only finished the sentence, since she was fated to see the beginning of it!

That evening she was haughty and hurt, as any husband with half an eye could see, and she positively refused to explain or give him an opportunity to explain. She threw out a few dark hints of the kind to prick his conscience; but he was either obtuse or obdurate. He made no confession, and for the first time since their marriage he believed that his wife was a creature of unaccountable moods.

Things were beginning to look dark and dangerous between them, when he decided to try a new tack. He would tell her something that would interest her, that would be sure to please her, thereby giving a new trend to her thoughts. He announced that he was going to take her to St. Louis. Did she manifest even the mildest symptoms of elation? On the contrary, she looked more grieved than ever, and there was a sob in her voice as she said she already knew about his invitation to meet some one there.

"What!" her husband exclaimed, "Has that wag of a Robertus Love been writing to you and giving away our secrets? I was planning such a capital surprise for you!"

The making up was of a kind to cause him to wish for frequent quarrels, and although he promised faithfully never to give it away, the humorist did tell the story to a little crowd of press humorists, just after Robertus Love had been elected secretary of the association.—New York Tribune.

#### How Children Spend Their Money.

There are few children but what have some money to spend. Sometimes they earn it for themselves, sometimes it is a gift from the parents. It is a wise thing, when at all possible, for children to have a regular allowance even though very small, and then be taught how to spend it and how to lay by some for the proverbial rainy day. Where children can earn their own spending money, ordinarily they are wiser in its use. Under our present system of allowing children to do as they please with their money, they plan to spend it mostly for candy and gum. The desire for sweets often leads them into questionable methods of saving. For example, an investigation made a few years ago in one of our western cities revealed the fact that candy and gum dealers did a better business on Monday morning than any day of the week. The supposition was that the children conceived their needs to be greater than those of the heathen and instead of putting all their money in the collection as directed they saved a little for Monday's purchases. Cheap shows have also, rather suddenly, become a great source of extravagance for children.

It is not a difficult thing to arouse an interest in children in putting aside, for another day, money so often unnecessarily and foolishly spent. The ordinary toy bank is a good thing to encourage economy. Care must be taken that children do not develop selfish or miserly habits. Train them to recognize their responsibility to their neighbor. To set aside a certain per cent of their savings for a sunshine fund is commendable. With this they may send a postal card or a flower to the sick; they may buy a needed spoon or cooking utensil for their mother; they may put it in the church collection, or give it to some organized charity; in fact they may spend it in many helpful ways, even though it should be only a penny or two.

Saving in order to purchase an article really useful and educational, ought to be encouraged. Such articles, dear to boys, are bicycles, tools, electrical toys, magic lanterns, cameras and printing presses.

Schools often undertake the work of training children to do systematic saving. The work is carried on by means of school savings banks. In Europe they have found much favor, where, it is claimed, they not only train to habits of thrift and self-dependence, but reduce crime, intemper-

## RUGS Save \$5 To \$10 ON Room Size Rugs

You can easily do it at our prices. We sell direct to you on approval, freight prepaid. Note these values: 8x12 Brussels Rugs, regular \$15 retail values, **\$10.85**; 8x12 Axminster Rugs, **\$18.95**; 12x15 retail value Room size Art Squares, 9x9, \$2.98 up. Lace Curtains 45c a pair up. Carpets, Linoleums—everything in floor coverings and curtains, twice the selection you can get at home; newest styles, latest patterns; superior quality, all shown in actual colors in our large, new, handsomely illustrated **Free Catalog**. Write us today, get our fine, new catalog, prepaid freight, prop. addn; direct-to-you **APPROVAL OFFER**; and our money-saving cash prices. Address: **TELFER CARPET CO., 826 Walnut St., Des Moines, Ia.**

**\$10.00 Sweep Feed | \$14.00 Setvalized Grider.** 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.**

**L. M. PENWELL**  
Funeral Director and  
Licensed Embalmer  
511 QUINCY ST., TOPEKA, KAN.

**FENCE** STRONGEST MADE. Built on tight sold to the user at Wholesale Prices. We Pay Freight. Catalogue free. **CELESTINE SPRING FENCE CO., Box 268 Winchester, Indiana.**

**STEEL WIND MILLS \$12.75**  
**STEEL STOCK TANKS 2.70**  
Buy from Factory. Catalog Free. **The Ottawa Mfg. Co., Ottawa, Ks.**

**9 CORDS IN 10 HOURS**  
No Backache. Weighs only 41 lbs. **SAVES MONEY AND BACKACHE. Send for FREE illus. catalog showing latest improvements and testimonials from thousands. First order gets agency. Folding Sawing Mach. Co., 158 E. Harrison St., Chicago, Ill.**

**12c a Rod For HOG FENCE**  
25 cents for 48-inch heavy Poultry Fence. Catalog free showing 81 other styles all sold on **30 DAYS' FREE TRIAL** at real rock bottom trust busting prices. Save freight by buying of us. **The Ottawa Mfg. Co., 603 King St., Ottawa, Kana.**

ance and pauperism. They were introduced into the United States about 1885 by a French educator. In 1893 the United States had 325 School Savings banks with \$350,634.32 on deposit; in 1905 there were 4,541 banks that had collected, since the system was introduced, \$2,782,012.

The plan is to have the children bring, either daily or once a week, the amount they can save and this is turned over to some safe bank and books are returned to the children to be examined by the parents. The teacher usually keeps a book with the name of the depositor and the amount of the deposit; sometimes the child is given a card with the amount deposited punched and sometimes he keeps account by means of stamps. In some cities, particularly in Europe, the school banks are connected with the postal savings banks. Whatever the method for handling, the principle remains the same, that is, to educate our children to be producers, contributors and thrifty citizens.—Miss Candis Neilson, Valley City.

#### POULTRY RANCH FOR SALE.

One of the best poultry ranches in the state. Two acres adjoining Washburn college campus, 9-room house, cellar, cistern, well water, barn. Best poultry house in county. Fruit and ornamental trees. Price \$4,000, half on time if desired. No trades. **POULTRYMAN, Kansas Farmer Office.**

## BUY THE LOWEST COST ENGINE

machine it operates, delivering steadier power than any other gasoline engine, adapting it especially for operating farm machinery, with better results and least waste of grain. Lowest fuel cost for it runs on Gasoline, Kerosene, Distillate, Gas or Alcohol and has perfect lubrication. Lowest cost because it delivers greatest available power per horse. A slow speed, high duty engine. Starts easier and quicker than any other engine, occupies less space, is less cumbersome, with less vibration, therefore adapting it for either stationary, portable or traction use. **IT IS THE POWER CONTRACTOR'S FAVORITE ENGINE.** No engine made has so wide a range of use. **YOU WILL MAKE A MISTAKE IF YOU DO NOT WRITE US FOR INFORMATION.** 1 1/2 H.P. to 5 1/2 H.P. single cylinder. 6 to 20 H.P. two cylinder. 30 to 50 H.P. four cylinder. State your requirements and get our advice. **THE TEMPLE PUMP CO., Manufacturers, 499 West 15th St., Chicago, U. S. A.** This is our 58th year.

## Cornish One Year's Free Trial

Cornish Instruments for real music, are unequalled by any other, whatever the price or name or reputation.



This is our offer to you—select any Cornish piano or organ, from the least expensive to the finest ever built, and we, without one bit of obligation on your part, will send the instrument to you direct from our factory—within the district—understand! If the instrument does not come to your feet, expectations—you are not to keep it and that the

#### Trial Will Cost You Absolutely Nothing

If the instrument does not prove better value for the money than you can get anywhere else—if it is not as good as an instrument as you can buy for one-third more than we ask—if at any time within a year you feel that you have not a good bargain, send it back; we won't find one word of fault with your decision, and you will not be one cent out of pocket for freight or for use of the instrument.

#### The Cornish Bond Protects You

Easy Terms and holds us strictly to this offer. You are to have the privilege of any terms of payment that you may choose. You risk nothing. We assume all responsibility, because we know all about the great beauty of material and workmanship in Cornish pianos and organs and we know all about the pure, sweet, rich tone quality of our instruments and we know what a quarter of a million satisfied purchasers think of them. If you keep the instrument it will cost you the Rock-Bottom Factory Price, not one cent more, and you will receive with it our Bonded Guarantee which insures the instrument for 25 years against defect in material or workmanship.

#### Send For The New Cornish Book

Don't think of buying before reading it. It is the handsomest piano and organ catalog ever issued. It explains things you ought to know whether you buy from us or not and it is yours for the asking. Write for it now and please mention which you are interested in—piano or organ.

**Cornish Co., WASHINGTON, N. J.**  
Established Over Half a Century

**INSIDE INFORMATION**  
Owing to the high price of cotton a great many overalls are now being made of light weight, inferior materials. In **FITZ OVERALLS** you get the same cloth, careful workmanship and size you did two years ago. Do not accept any garment just as good. Insist on Fitz's. **Burnham-Hanna-Munger DRY GOODS CO. KANSAS CITY, MO.**

## CURE THAT SPAVIN

—or that Curb, Splint, Ringbone or other lameness with Kendall's Spavin Cure. Mr. Montgomery Sheppard of Richfield, N. J. writes this about **Kendall's Spavin Cure**: "I have been using your Spavin Cure and have found it a sure cure for Spavins, Splints, Ringbones, Lameness, etc." Let us send you other letters. Get a bottle of Kendall's at once. You may need it any day. At your druggist's a bottle, 6 for 25. Ask for "Kendall's on the Horse"—Free, or write to **Dr. B. J. Kendall Co., Keosauqua Falls, Vermont, U. S. A.**

When writing advertisers please mention Kansas Farmer.



# EMPIRE BUILDERS

By FRANCIS LYNDE



MISS ADAIR WAS FOCUSING HER FIELD GLASS AND TRYING TO TRACE THE LINE OF THE DESCENDING GRADE.

## CHAPTER XV.

### AN UNWILLING HOST.

STANDING in the Pacific portal of Plug Pass, on the old snow-crust which, even in midsummer, never entirely disappears altitude ten thousand feet, they could look away westward over a billowing sea of mountain and mesa and valley breaking in far-distant, crystalline space against the mighty rampart of the Wasatch range, two hundred and other miles nearer the sunset.

It was an outlook both inspiring and chastening; with the scenic grandeurs to give the exalted uplift, and the still, gray-green face of the vast mountainous desert to shrink the beholder to microscopic littleness in the face of its stupendous bulks and depths, its immeasurable bulks and interspaces. Miss Adair said something like this to Ford, in broken exclamations, when she had taken her first quailing eye-plunge from the lofty viewpoint.

"Yes; quite so," Ford acquiesced, in the unresponsive tone of one who says what he must, rather than what he would like to say. "It is all the things you have been saying, and more—when one has the time and the mind to be enthusiastic about it."

Miss Adair stood up very straight, and her chin was a protest in Praxitelean harmonies. She knew very well how reluctantly her companion was doing the honors of the mountain vastnesses; how full of wrath he was because President Colbrith had seen fit to precipitate the Nadia and a private-car party into the midst of the strenuous building battle on the western extension. But she argued that this was no reason why he should be crustily impossible with her. Wherefore she said, merely to see him boil over:

"I should think you would come up here often for this glorious view, Mr. Ford. You do, don't you?"

"Come up here for the view? Oh, yes; I presume I have climbed up here a hundred times, first and last, and always for the sake of the view. I began it the first winter I spent in Saint's Rest, when the snow-shoeing was at its best. Really to appreciate the scenery, you should take three hours for the approach from the basin down yonder, dragging a pair of Canadian raquettes by the toe-straps."

The young woman's slash of his sarcasm. It was so like the man; big and vigorous and energetic, and quite without regard for consequences or for the insignificance of the thing to be obliterated. But she would not spare him.

"How enthusiastic you are!" she commented. "I don't believe I should be equal to a hundred times, first and last, or to the snow-shoes. But I can admire such zeal in other people immensely."

"Do you really think so small of a Empire Builders. Copyright 1907 by Francis Lynde.

man's work in the world, Miss Adair?" he demanded, not very coherently. "I'm not saying that the scenery doesn't move me. It does; and the first time I stood here on this summit, I presume I felt just as you do now. But my comings and goings have been chiefly concerned with this"—kicking the rail of the new track which threaded the shallow valley of the pass. "I am trying to build a railroad; to build it quickly, and as well as I can. When I get it finished, I may have time to admire the scenery."

It was a little appeal for sympathy, apparent enough in spite of its indirectness; but Miss Adair was still mindful of Ford's too evident willingness to leave her behind at the deserted grading-camp half-way down to Saint's Rest where the Nadia was temporarily side-tracked.

"Another ideal gone," she lamented, in mock despair. "All those trappings and toils up this magnificent mountain merely to prepare for the laying of some logs of wood in a row, with two strands of iron to fasten them together!"

He smiled at her definition of his railroad, and the keen edge of his annoyance was a little blunted. He had been telling himself that she might be twenty-four, or possibly twenty-five; but evidently she was only a child, with a child's appreciation of a very considerable industrial triumph. Old engineers, one of them an assistant on his own staff, had shaken their heads and declared that the running of a standard gauge railroad over Plug Pass was a sheer impossibility. Yet he had done it.

"I suspect I owe you an apology," he said, yielding a little to the love which was fighting with discouragement and righteous anger for the first place in his heart. "I'm afraid I have been taking you too seriously, all along."

Her laugh was a delicious little ripple of exultation. She had succeeded in avenging herself.

"I can forgive you now," she said, and the blue eyes were dancing. "But you must admit that you were the aggressor. I have never been made so pointedly un-welcome in all my life. I believe you were going to refuse to let me walk up here with you if Uncle Sidney had not commanded you to."

This time his smile was a grin, but it was not ill-natured. "I should, indeed," he confessed quite frankly. "To be brutally candid, I had a decided attack of the 'un-welcomes' when I received Mr. Colbrith's wire announcing his intention of bringing his picnic party out here into the midst of things. We have little time, and none of the civilized conveniences, for entertaining company."

"I think we all understood that," she made haste to say. "Aunt Hetty tried to dissuade Uncle Sidney, but he was bent on showing us how modern railroad building is rushed at the 'front'—is that the right word?—and

so here we are."

A small frown gathered between Ford's eyes. He was far enough from suspecting that this was the outworking of Kenneth's "notion," that Mr. Colbrith's annual inspection tour over the Pacific Southwestern had been extended to cover the new line at Kenneth's suggestion—a suggestion arising out of purely reformatory motives. Nor would it have helped matters much if he had known Kenneth's genuine distress when it transpired that the suggestion bade fair to result in precipitating a private car-load of pleasers into the pandemonium of the grading-camps.

But the pleasers were as yet only upon the borders of the pandemonium, and Ford was torturing his ingenuity to devise some argument strong enough to turn back the threatened invasion. There were reasons enough why a party with women among its members should not be projected into the grading and track-laying field. It was no place for women, Ford was telling himself wrathfully; especially for the women of the president's own household.

In the little interval of silence Miss Adair was focusing her field-glass and trying to trace the line of the descending grade into the headwater valley of the Pannikin. Ford did not mean to be ungracious to her—what lover ever means to be curt to the one woman in all the world? But it is not easy to be angry in nine parts and loving-kind in the tenth—anger being one of the inclusive emotions. Nevertheless, he made the effort, for her sake. However inconsiderate Mr. Colbrith was, she was blameless.

"Let me show you," he said, taking the field-glass and adjusting it for her. "Now hold it steadily and pick up the line in the great loop. Have you found it?"

Now follow it slowly until you come to the point where it turns into the valley, and you can trace it for miles by the cuts and fills."

She followed his directions until the line of the extension became a vanishing thread in the distance, and then was content to let the glass sweep the vastness beyond. When she spoke it was of the topographic immensities. "I heard you telling brother at the dinner-table in Chicago that you were able to see more in this wilderness than you have ever been able to make any one else see. Can I see it with the glass?"

"Hardly," he smiled. "I was trying to tell your brother of the magnificent possibilities of the country lying between this and that farthest mountain range; the country we are going to open up. It was a gospel I had been trying to preach to the directors, but none of them believed—not even your uncle."

"I see nothing but vastness and cold gray grandeur," she said, adding: "and the very bigness of it makes me feel like a mere atom, or a molecule—whichever is the smaller."

"Yet it is a new empire in the rough," he rejoined, with a touch of the old enthusiasm, "waiting only for the coming of this"—putting his foot again upon the steel of the new railroad line. "What you are looking at has been called a part of the Great American Desert—the most forbidding part, in the stories of the early explorers. Notwithstanding, there will come a time when you can focus your glass here on this mountain and look out over what the promoters will then be advertising as a 'peopled paradise,' and these 'logs of wood in a row, with two strands of iron to fasten them together' will bring it to pass."

There was a flash of the enthusiast's fire in the cool gray eyes to go with the words, and Miss Adair wondered at it. He had stood for her as an embodiment of things practical and prosaic; as one too keenly watchful and alert on the purely industrial side to be in any sense a dreamer of dreams. Some part of her thought slipped into speech.

"No, I am not an enthusiast," he denied, in reply to her charge. "At bottom, I'm only an engineer, with an ambition to build railroads. But I should have learned no more than half of my trade if I couldn't tell where it would be profitable to build them."

"Never mind; you seem to have convinced Uncle Sidney and the directors finally," she commented.

"No; your uncle and the directors are not empire builders—meaning to be," he objected. "They are after the present visible dollar in a western outlet for the Pacific Southwestern. If we reach Green Butte before our competitors can broaden their narrow gauge to that point, we shall have a practicable line from Chicago to the Pacific coast."

"I understand," she said. "But yours is the higher ideal—the true American ideal."

"It's business," he asserted. "Well, isn't business the very heart and soul of the American ideal?" she laughed.

This time he laughed with her, forgetting his troubles for the moment. "I guess it is, in the last analysis," he said. And then: "I'm sorry to keep you waiting so long, if you are anxious to get back to the Nadia. But I warned you before hand. I must keep my appointment with Frisbie. Do you see anything of him?" This because she was again sweeping the western wilderness with the field-glass.

"What am I to look for?" "The smoke of an engine."

She focused the glass on the gorge at the foot of the pass. "I see it!"

January 12, 1912

"A little black beetle of a thing just barely crawling. Now it is turning into the first curve of the great loop. It shan't have very much longer to wait before it turns the thousand-foot collar of you, and we'll walk a bit."

It was his first appreciable concern for her comfort, and she gave him full credit. Coquetry was no part of Miss Adair's equipment, but no woman likes to be utterly neglected on the care-taking side, or to be transformed ruthlessly into a man-companion whose well-being may be brusquely ignored. And this young athlete in brown duck shooting-coat and service leggings, who was patiently doing a sentry-go beside her up and down the newly-laid track at the summit of Plug Pass, was quite a different person from the abashed apologist who had paid for her dinner in the dining-car on the night of purse-snatchings.

(Continued next week.)

## Its Economy and Power Startle the World!

The Engine Runs on COAL OIL at a Fraction of Cost of Gasoline.

Thousands of these marvelous engines—in actual use today—prove beyond question that kerosene is the engine fuel of the future. The success of the "Detroit" Engine is absolutely unparalleled.

Demand is overwhelming. Kerosene (common coal oil) runs with wonderful economy. Kerosene generally costs 6 to 10 cents per gallon than gasoline—and gasoline is still going up. Runs on any engine fuel. Only three moving parts. Light and portable. Does work of engines weighing four times as much. Runs every-thing.

## The Amazing "DETROIT"

The Kerosene Wonder—on 15 Days' Trial—Direct From Factory

Any engine you want, from 3 to 50 H. P., sent on 15 days' free trial—tested immediately before shipping and ready to run. If dissatisfied—every dollar you have paid us for the engine cheerfully refunded. Prices lowest ever known for high-grade, guaranteed engines.

The New Book is Ready—WRITE. This all about them and send for a free copy. Specify engine size and make. Address: Detroit Engine Works, 324 Bellevue Ave., Detroit, Mich.

## BIGGER ALFALFA PROFITS

also bigger profits on Timothy, Clover and all other crops. Sow with the proven successful Thompson's Wheelbarrow Seeder—in use nearly 40 years—over 300,000 sold. Saves 25% seed—sows evenly, quickly. Works equally well on windy days; perfect balance; interchangeable. Sows 10 to 50 acres a day; any amount to the acre—grass and any kind of seed. Simple, strong and durable. Other features. Get book by writing postal now. Every style and size for every seed and need.

O. E. Thompson & Sons, Ypsilanti, Mich. John Deere Flow Co., Kansas City, Mo. John Deere Co., St. Louis, Mo. Oklahoma City, Okla.

## BOOK FREE

## 22 CALIBER HUNTING RIFLE FOR EVERY BOY

This Great RIFLE is over 30 inches in length. The barrel is 16 in. long and finely rifled. It has a built up steel jacket giving it great strength and durability. The rear sight is open and adjustable and the front is a knife sight. The gun has the hammer action and the shell is automatically thrown down when the barrel is "broken down" for reloading. The gun shoots 22 caliber long or short cartridges.

This is one of the finest rifles made. I want you to have one. All that is a little easy work. Write today and I will tell you about the gun and how to get it. A. M. Piper, 198 Popular Bldg., Des Moines, Ia.

## The Farmer's Son's Great Opportunity

Why wait for the old farm to become your inheritance? Begin now to prepare for your future prosperity and independence. A great opportunity awaits you in Manitoba, Saskatchewan or Alberta, where you can secure a Free Homestead or buy land at reasonable prices.

## Now's the Time

not a year from now, when land will be higher. The profits secured from the abundant crops of Wheat, Oats and Barley, as well as cattle raising, are causing a steady advance in price. Government returns show that the number of settlers in Western Canada from the U. S. was 69 per cent larger in 1910 than the previous year.

Many farmers have paid for their land out of the proceeds of one crop. Free Homesteads of 160 acres and pre-emptions of 160 acres at \$3.00 an acre. Climate, good schools, excellent railway facilities, low freight rates; wood, water and lumber easily obtained.

For pamphlet "Last Best West," particularly as to locations and low settlers' rate, apply to Sup't. Immig., Ottawa, Can., or to Can. Gov. J. S. CRAWFORD, 125 West 8th Street, Kansas City, Mo.



# Readers Market Place

CLASSIFIED ADVERTISING 3 CENTS A WORD

## HELP WANTED.

AGENTS MAKE MONEY SELLING OUR stretchers. Perry Tool Co., Clyde, Kan.

WANTED—LOCAL MEN TO TAKE ORDERS for nursery stock in Kan., Mo., Okla., Ill., Neb. Experience unnecessary. Cash weekly. National Nurseries, Lawrence, Kan.

DO YOU WANT A \$1200 GOVERNMENT position? We tell you how to get it. Write immediately for free lesson and guarantee. Ozment, Dept. 44, St. Louis.

\$3.00 TO \$5.00 A DAY IS WHAT YOU can make if you will take subscriptions to KANSAS FARMER in your neighborhood. Thousands of subscriptions are now renewing. You can get a nice income from this business if you will take hold of it. Write Circulation Manager, Kansas Farmer.

WANTED—RAILWAY MAIL CLERKS; city carriers; postoffice, customs, internal revenue employees. Average salary about \$100. Short hours. Annual vacations. Common education sufficient. Send your name immediately for schedule showing places of coming examination. Free coaching. Franklin Institute, Dept. F-92, Rochester, N. Y.

## REAL ESTATE.

TO SELL YOUR PROPERTY. WRITE Northwestern Business Agency, Minneapolis.

BUY OR TRADE WITH US. SEND FOR list. Bersle Agency, Eldorado, Kan.

FINE 160 IMPROVED, ONE MILE out. Write owner, E. Richardson, Wilmore, Kan.

WILL TRADE A GOOD FARM FOR stallions, jacks or other horses. Box 42, Morris, Kan.

FARM LOANS MADE IN ANY AMOUNT from \$500 up, at lowest rates and on most favorable terms. Betzer Realty & Loan Co., Columbia Bldg., Topeka, Kan.

FOR SALE—FARM WITH SUBURBAN home, \$17,000; will consider land for \$2,000 part payment. W. H. Stein, Halstead, Kan.

I HAVE A LADY CLIENT WHO WILL trade a quarter of good land for a city residence; another client will trade for auto; another a plow engine. G. N. Kysar, Goodland, Kan.

I WILL LOCATE YOU ON A HALF SECTION of land in grain belt, 8 miles of Arapahoe, 200 acres fine farming land, for \$200, too late after Feb. 1. Address Box 18, Veskan, Kan.

LAND WANTED—WILL PURCHASE for cash and terms best bargains or snap offered us in good, low priced, unimproved western Kansas land. Land Investment Company, Chanute, Kan.

OREGON INFORMATION—FOR AUTHENTIC detailed information concerning fruit growing, dairying, general farming, manufacturing and business opportunities in any part of Oregon, address Portland Commercial Club, Room 642, Portland, Ore.

FARM FOR SALE—MY FARM IN Chehalis township, 2 1/2 miles south of unger; the west 1/2 of the east 1/2 of section 7, township 15, range 17; all fine wheat and improved. Call or write me at Munster. Casper Klaus or H. M. Oshant, Hays, Kan.

CUBA—MOST PRODUCTIVE SOIL. Delightful and healthful climate. Ample rainfall. Cheapest transportation facilities to the world's greatest markets. Particulars free. Sanderson, 35 Palace Building, Minneapolis.

MAKE SOME EXTRA MONEY THIS winter. You can do it easily by taking subscriptions to KANSAS FARMER in your neighborhood. Liberal commissions paid to workers. Write for plans and terms at once. Good territory open, especially in Kansas. Address KANSAS FARMER, Topeka, Kan.

TEXAS GULF COAST COUNTRY—4,000 acres, formerly part of Famous Taft Ranch, county seat, Sinton, within 4 miles of Gulf. Soil and climate unsurpassed. Heart of grain belt; plenty good water; depot within 20 minutes' drive of farthest point. Land produces \$100 to \$300 per acre. For particulars write J. Y. Conn., Box 46, Clin., O. Good agents wanted.

WAIT!—COME AND SEE THIS BARN before you buy: 160 acres, only 3 1/2 miles from Independence, Kan.; 1/2 mile to school; 1/2 mile to church; 110 acres in one body in cultivation; 50 acres in good lime-one pasture; six producing oil wells and gas well; free gas and from \$130 to \$75 per year oil royalty; 5 room house and 1/2 acre, plenty of fruit. Price for quick sale \$5 per acre. J. D. Kramer, Independence, Kan.

## POULTRY.

S. C. BROWN LEGHORN COCKERELS for sale. Mrs. L. H. Hastings, Tayer, Kan.

FOR SALE—340-EGG OLD TRUSTY incubator; good as new; \$10. Also set of egg-making lessons and pneumatic dress machine with stand and wire skirt, \$15. Lock Box 4, Emmett, Kan.

25 CENT PACKAGE FOR .09 CENTS stamps, will prove Nash Poultry Remedy cures sick chickens; increased egg production. Dept. C, Nash Poultry Co., Oklahoma City, Okla.

## CATTLE.

FOR SALE—REGISTERED YEARLING Red Polled bull; good individual. I. W. Fulton, Medora, Kan.

FOR SALE—HOLSTEIN YEARLING bull, 1200 lbs.; milking line. Cheap for quick sale. Chas. Loomis, Merriam, Johnstown, Kansas.

CHOICE BREED HOLSTEINS; SOME fresh. Come and make your choice or write your wants. Joshua P. Mast, Scranton, Kan.

HOLSTEINS AND JERSEYS, REGISTERED and high grades. G. G. Burton, Topeka, Kan.

HOLSTEIN HEIFERS—A NICE BUNCH of 2-year-old springers, many practically full blood, bred to registered bulls; all tuberculin tested; any number you desire. Ira R. Romig, Station B, Topeka, Kan.

## HORSES AND MULES.

SHEPHERD PONIES—WRITE FOR price list. C. R. Clemmons, Waldo, Kan.

FOR SALE—3 PERCHERON STALLIONS registered. George Bevan, Soranton, Kan.

FOR SALE—TWO SPOTTED 3-YEAR-old sound stallions, 3 spotted mares, also Hampshire hogs. C. W. Weisenbaum, Altamont, Kan.

REGISTERED SHETLAND PONIES FOR sale. The pure Shetland pony is the child's pony. Correspondence solicited. N. E. Stucker, Ottawa, Kan.

FOR SALE—TWO BLACK PERCHERON stallions coming 3 years old, sired by Bosquet; will sell them cheap if sold in the next 30 days; will trade them for cattle or mares. Chas. Freeman, Belvue, Kan.

FOR SALE—A STANDARD BRED AND registered driving mare 15 1/2 hands high, wt. about 1000 pounds, solid bay, young, sound, city broken. A lady can drive her with perfect safety; with foal by Carthage Reaper. A great bargain to the right party. Call on or write John P. Curran, Commerce Bldg., Pittsburg, Kan.

FOR SALE—ONE FINE IMPORTED stallion, weight 1900; in good flesh; color jet black; has fine form and action. One mammoth jack, hard to beat; has good bone and form; 15 1/2 hands high. Both sure getters and show good colts. Can be seen one mile west and 1/4 north of Lorraine depot at R. F. Rolfs.

## HOGS.

FOR SALE—MY POLAND CHINA HERD boar; strictly of the big-type breeding; or will exchange him for an extra good bred gilt. Write for price, description and breeding. Ell. B. Davis, Posa, Okla.

## DOGS.

GOOD WOLF HOUND PUPS FOR SALE. Geo. Vernon, R. 2, Simpson, Kan.

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, Kan. W. H. Richard.

## SEEDS AND PLANTS.

SEED CORN—PURE BRED, GUARANTEED graded; Boone County White. Now is the time to buy. Price \$2 per bushel. J. F. Haynes, Grantville, Kan.

SEED CORN ADVERTISED ON THIS page will find ready buyers. The advertising cost is small and the returns big. Send in your copy to KANSAS FARMER. See rates at top of page.

SEED CORN—HIGH TESTING VARIETIES. Boone County White, White Commercial, White and Kansas Sunflower. J. M. McCray, member Kansas Corn Breeders' Association, 901 Moro St., Manhattan, Kan.

SEED ADVERTISERS FIND READY BUYERS when advertised on this page. They sell for cash in hand, for your price, when you tell here what you have. The cost is low. See top of this page.

WANTED—ALFALFA, RED CLOVER, timothy, millet, cane and other seeds. Write to The Barteldes Seed Co., Lawrence, Kan.

WANTED—CANE SEED, KAFIR CORN, millet, popcorn, clover, timothy, etc. Send samples. Hays Produce Co., 24-26 N. Kansas Ave., Topeka, Kan.

REGENERATED SWEDISH SELECT oats, the thinnest skinned, heaviest yielding oats in America; guaranteed free from smut; 75c per bu., graded, sacked in new grain sacks, loaded on board R. I. cars Rydal or Mo. Pac. at Scandia. H. A. Bushby, Rydal, Republic county, Kansas.

## MISCELLANEOUS.

EXCHANGES, QUICK SALES, LARGE list. Address Room 1, Continental Bldg., Omaha, Neb.

FOR SALE—CAR LOAD OF CATALPA posts. F. M. Woods, Vinland, Kan.

AUTOMOBILE FOR SALE—I HAVE A 35-30 four-cylinder five-passenger Overland touring car fully equipped and in excellent running order; will sell cheap. R. L. Thompson, Delphos, Kan.

MENTION THIS PAPER WHEN WRITING to the advertisers who use this page. Have you an extra hog, cow, dog, some chickens, or any kind of good implement or machine you want to sell? Advertise here, and you will quickly find buyers.

## TYPEWRITERS.

REMINGTON TYPEWRITER CHEAP. Perfect condition. Could ship on approval. Frank K. Payne, Route 5, Rosedale, Kan.

## PRINTING.

FINE PRINTING FOR REASONABLE prices. Catalogs, circulars, letter heads. Everything in the printing line. Write for samples and prices. Western Printing Co., 625 Jackson St., Topeka, Kan.

## FIELD NOTES.

Goodyear Tires, Lead an Automobile Show. More cars were equipped with Goodyear tires than any other kind among the exhibitors in the automobile show at Grand Central Palace, New York. The tire census taken among the exhibits showed a total of 32 cars out of the 199 exhibited fitted with Goodyear tires. The Goodyear had a good lead on its nearest rival, which was represented on 19 machines. The premier show-

## SAVE YOUR MONEY

Don't subscribe for a Single Newspaper, Magazine or periodical of any kind until you get our special price on same. Send us the list of papers you wish during the coming year. You will hear from us at once. Address, KANSAS FARMER

Topeka, Kansas

## HORSE OWNERS TRY THE CLEAN CURRY COMB

At Our Risk and save dollars in time, labor and expense. Automatic action, durable, effective, easy on the horse and always clean. Send address—stating number of horses owned and we'll send Comb postpaid. (Aren't that, send \$10 or return comb at our expense. Valuable Horse Book sent free. Clean Comb Co., 40 Fifth St., Racine, Wis.)

ing of the Goodyear tires gives an idea of the standing of that tire in the eyes of the manufacturers of standard motor cars. The exhibitors all want their cars to make the best possible showing at the show and for that reason they are always equipped with the tires that the manufacturer feels are the best. The unsolicited testimonial to the Goodyear places it in the proud position of being considered the best tire made by a large number of the manufacturers of standard motor cars.

## Vrtiske's Dueros.

Frank Vrtiske, Durco Breeder of Pawnee City, Neb., changes his card this week and offers to sell choice fall pigs of either sex or pairs not related. Mr. Vrtiske has one of the best herds in Nebraska and will hold his annual bred sow sale January 24. Catalogs are ready and will be sent upon request.

## State Entomological Commission.

Chairman F. D. Coburn of the State Entomological Commission has called a meeting of the commission to be held January 17, 1911, at 2 p. m. in his office in the State House to discuss ways, means and methods for the suppression of noxious insects and plant diseases, especially the prevention of their introduction through shipped-in nursery stock. All fruit growers and nurserymen, as well as others interested, are cordially invited to be present and participate with a view of aiding the commission in making its work the most efficient and effective possible.

F. F. Oerly of Oregon, Mo., is offering a number of fall boars for sale at this time. Mr. Oerly breeds the big Poland China, the hog that suits the big type breeder and farmer. The young boars offered now are an excellent lot of fall pigs weighing from 100 to 125 pounds and were sired by Mr. Oerly's celebrated herd boar, Pawnee Look. This herd is one of the good ones, and Mr. Oerly's motto, "More hog and less hot air," has attracted the best breeders of the country who wanted the big type with all the finish and show qualities.

Lewiston, Mont., July 6, 1910.

Currie Windmill Co., Topeka, Kan. Gentlemen: The Currie Jr. Grinder you shipped me I found to be one of the best little machines of its kind that I ever saw. Yours truly, M. W. BRUNER.

(Continued on page 23.)

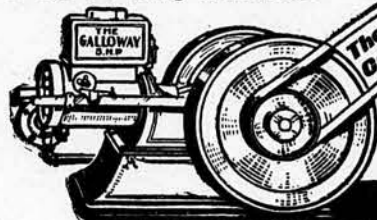
While high prices for hogs are not yet here the indicated scarcity throughout the corn belt and the splendid feeding weather will help some.

With the improvement of methods, the rotation of crops and the demand for greater returns has come a strong call for better live stock in the southern states. Where once was cotton, cane or corn grown on the same land year after year without manure there is now a rotation of crops, the planting of nitrogen producing legumes and a demand for fertilizer. Indications are that the south will become a strong patron of northern and western breeding farms.

## GALLOWAY SAVES YOU \$50 to \$300

SAVE from \$50 to \$300 by buying your gasoline engine of 2 to 22-horse-power from a real engine factory. Save dealer, jobber and catalogue house profit. No such offer as I make on the class of engine I sell has ever been made before in all Gasoline Engine history. Here is the secret and reason: I turn them out all alike by the thousands in my enormous modern factory, equipped with automatic machinery. I sell them direct to you for less money than some factories can make them at actual shop cost. All you pay me for is actual raw material, labor and one small profit (and I buy my material in enormous quantities). Anybody can afford and might just as well have a high grade engine when he can get in on a wholesale deal of this kind. I'm doing something that never was done before. Think of it! A price to you, that is lower than dealers and jobbers can buy similar engines for, in carload lots, for spot cash. An engine that is made so good in the factory that I will send it out anywhere in the U. S. without an expert to any inexperienced users, on 30 days' free trial, to test against any engine made of similar horse-power that sells for twice as much, and let him be the judge. Sell your poorest horse and buy a

5-H.-P. Only \$119.50



Get Galloway's Biggest and Best FREE GASOLINE BOOK

Write today for my beautiful new 50-page Engine Book in four colors, nothing like it ever printed before, full of valuable information, showing how I make them and how you can make more money with a gasoline engine on the farm. Write me—

Wm. Galloway, Pres., Wm. Galloway Co. 205 Galloway Station, Waterloo, Iowa

### WE TEACH YOU

IF YOU are seeking pleasant employment and good pay, you can realize your ambition by learning the automobile business. Automobile salesmen, demonstrators, chauffeurs and repair men are in great demand and command high pay. We teach you the business, spark plug to tires in six weeks is reasonable. Address 1, LINCOLN MOTOR SCHOOL, L.

### LEARN BY

45 Colleges in 18 States. Bookkeeping, Shorthand, Banking, English, Arithmetic, Business Law, Com. Law, Civil Service. MONEY made by completing Home Study Courses. For FREE Catalogue write to Box H-40.

### BE A TELEGR.

This school is U. P. R. R. Ea \$200 per month learning. Post! Kansas Wesleyan Business College Salina, Kansas.

### Strickler's

TOPEKA BUSINESS COLLEGE. Good positions every day in Bookkeeping, Shorthand, Civil Service. Information free. 111, 113, 115, 117 E. 8th STREET, TOPEKA, KANSAS.

### LEARN TELEGRAPHY IN FIVE MONTHS

Sure Job on Santa Fe. Pay from \$53.00 to \$165.00 monthly. School has R. R. wires giving actual experience. Owned and operated by Santa Fe R.R. Write today for full information—Costs Nothing. SANTA FE TELEGRAPH SCHOOL DEPT. F. TOPEKA, KAN.

### DOUGHERTY'S

YOU can earn here during your business course. By means of your practice work, real work, in itself the best possible training you can get. Send for particulars. Dougherty's Business College, Topeka, Kansas.

### LEARN TO BE AN AUCTIONEER

EARN FROM \$15 to \$100 PER DAY. Endorsed by the peer auctioneers of the world. Our THOROUGH, SCIENTIFIC CORRESPONDENCE COURSE, consisting of ten COPYRIGHTED bound volumes can be mastered in ninety days' home study, utilizing spare time. Send for BEAUTIFUL forty-page catalogue. The National Auctioneering School of America, 303 Funke Bldg., Lincoln, Neb.

### Lawrence Business College

Lawrence, Kansas. Positions secured. Our big illustrated catalogue containing everything is FREE. Address 244 Mass. St. Learn Auctioneering by Mail and should you ever wish to attend our school in person amount paid on mail course will apply upon tuition here. Will hold next term April 3 at Oklahoma City. The largest school of the kind in the world. MISSOURI AUCTION SCHOOL, Oklahoma City, Okla. Trenton, Mo.



# BARGAINS IN LANDS

## LIVE REAL ESTATE AGENTS WANTED

I want the help of some "live wires" to sell some Colorado Irrigated Land. This is within 150 miles of the Kansas line. It has water on it now, an unfailing supply. The land is exceptionally good. It is one of the best land propositions now open for sale. It is a straightforward one of the most highly meritorious ever developed. All available land will be sold. It is desired to sell all that is for sale by March, 1911. The price is so low as to be a bargain. Liberal cash commissions paid; literature furnished also conveyance to and from the land from railroad station two miles away. This is being widely advertised in western papers. I MEAN BUSINESS. TODAY FOR FULL DETAILS.

E. L. GARVER, Box 142, Topeka, Kans.

## KANSAS LAND SNAPS

Sold: 2270 acres creek bottom and slope land; nearly all good driving distance of Topeka. Can be bought from \$25 to \$50 per acre. If interested write

BALDWIN & CATE, Manhattan, Kansas.

## CO.

Con.  
I do not  
mate, soil.

## FORD COUNTY AND GET RICH

us Ford County Wheat Belt, where two crops pay for the land. If this is true I'll pay your fare for the round trip. Best of descriptive price list upon application.

J. L. PAINTER & CO., Dodge City, Kansas.

## WESTERN KANSAS GRAIN AND STOCK FARM.

400 acres, 5 1/2 miles from Osage City, Kan., 100 acres in cultivation, 10 acres good timber, 8 acres good orchard, balance native grass pasture and meadow, 5 room house, good cellar, 2 good barns with loft, granary, hen houses, hog and cattle sheds, plenty of good living water, R. F. D. and phone. Price \$35 per acre if sold by Feb. 1. This is a bargain. Act quick. For particulars write

RAPP & CO., Osage City, Kansas.

EASTERN KANSAS FARMS \$35 to \$75 per acre; also have mds. de for land; we are doing a general ex. business. Richmond Land & Loan Co., R. and Kan.

160, WELL IMPROVED, in Kan. sas; want merchandise or good property.

BOX 123, Richmond, Kan.

## 1120 ACRE COMBINATION RA.

25 head horses and colts above average, and one registered Percheron stallion. Write for particulars. 80 acres first-class alfalfa land in famous Artesian Valley at a great bargain. WM. MILLER, Meade, Kan.

IF YOU ARE INTERESTED IN CENTRAL KANSAS, WESTERN KANSAS OR COLORADO LAND FOR A HOME OR INVESTMENT, STATE YOUR CHOICE TO C. C. WALLACE, BROOKVILLE, KANSAS.

## YOU'LL LIKE LINN COUNTY, KAN.

We have abundant coal, wood, natural gas and good water. The land raises magnificent crops of alfalfa, timothy, clover, bluegrass, oats, corn and wheat, R. F. D. and phone at your door. Price \$20 to \$30 per acre. List free. A. E. ROOT, Pleasanton, Kan.

200 ACRES, 10 miles from Delphos, 40 a. pasture, 160 in cultivation, 175 can be cultivated, creek, plenty of fruit for family use. Good house, barn and outbuildings. One of the best corn and alfalfa farms; can be bought for \$75 per acre; 1/2 cash, balance 6 per cent.

Box 114, Minneapolis, Kansas.

FOR SALE—193 a., 6 mi. Garnett, 3 mi. Haskell, on Mo. Pac. R. R., 120 a. valley and slope land in cult., balance rough pasture with limestone rock on 1-3 of it, well fenced and cross fenced, new 6 r. house; splendid barn, 32x42; 2 good wells; family orchard. A snap at \$5,500. New list free. SEWELL LAND CO., Garnett, Kan.

## GOOD SECTION LAND TO TRADE.

640 acres 6 miles from Liberal, 2 miles from Haynes; all fenced and cross fenced; other improvements; good 240 acres in cultivation; all good land; on telephone line and R. F. D.; close to school. Price \$19,200. Take \$7,500, good rental property, carry \$5,000 on land and balance cash. This proposition will stand inspection.

LAND-THAYER LAND CO., Liberal, Kan.

## BUY OF OWNER—SAVE COMMISSION.

A nice valley farm of 320 a., 3 mi. of Fredonia, county seat, best gas town in state, all tillable, 110 a. in cultivation, balance in meadow and pasture, good 5 room house, big barn and other improvements, free gas, also income from gas wells on farm, telephone and R. F. D. Easy terms. Buy of owner and save commission. A snap at \$42,500. Must sell. Write

LOCK BOX 807, Fredonia, Kansas.

IF YOU MEAN BUSINESS and have real estate and merchandise of any kind for sale and exchange, and are willing to pay a commission should I make you a deal, write me at once of what you have and desire. 120 acres, 9 miles of town, 50 acres in cultivation, balance good pasture, plenty water, fair house, some alfalfa, a good stock farm. Price \$2500; \$650 cash, balance terms. A bargain. Good Smith county land for sale. Carl G. Anderson, Athol, Kan.

## A BIG SNAP.

840 a., 5 1/2 miles of Spearville, 300 a. creek bottom, first class alfalfa land, 160 a. in cultivation, 500 a. farm house, balance pasture, fenced, some timber, creek runs through one corner. Price \$14 per a.; \$4000 cash, balance good terms.

STINSON & SHELTON, Spearville, Kansas.

## SELLING A MONEY-MAKER.

For quick sale at \$20 per acre—A half section in S. W. Nebraska; fair improvements; house of 3 rooms, stables, chicken house, well and windmill; also other out-houses, including hog sheds. This place is already to move on to and go to work; only missed two crops in 25 years and none at all in last 14 years. Old age only reason for selling. Priced at \$20 per acre for quick sale. Write at once to

JACKSON R. E. CO., 1327 Quincy St., Topeka, Kansas.

## CAN'T BEAT THIS IN KANSAS.

160 acres second bottom, 4 miles town, large 8-room house, barn 36x40, bearing orchard, good water, near school; must be sold. \$10,500. T. B. Godsey, Emporia, Kan.

## O. U. BARGAIN HUNTER!

Three fine quarters at \$47 per a., 4 mi. out; 3 choice half sections, \$40, \$45, \$50 per a., 3 and 4 mi. out. Snap. Two elegantly improved, highly cult. farms joining city, \$100 per a. Many choice trading propositions.

O. E. LOWER, Herington, Kansas.

## MARSHALL COUNTY, KANSAS, LAND.

Half section, 2 miles from town, 160 a. under plow, some alfalfa and meadow, rest pasture, 6 room house, 8 horse barn and hay mow, 2 good springs, 350 bearing trees; belongs to widow anxious to sell. \$55 per acre on easy terms. Also 25 other Marshall Co. farms.

E. F. DEWEY, Blue Rapids, Kansas.

## THE BEST TOWN TO LIVE IN.

If you would like to live in the most beautiful city in the West, with unsurpassed education, business and religious advantages, in a city clean, progressive, where real estate values are low, but steadily advancing, where living expenses are reasonable, a city with natural gas at lowest price, address the

SECRETARY of the COMMERCIAL CLUB, Topeka, Kansas.

## NEOSHO VALLEY FARMS.

We have for quick sale unusual bargains in well improved farms in the rich Neosho River Valley from 80 acres and upwards, located near the city of Emporia, Kan., which has the State Normal and the College of Emporia. We also have several suburban orchard and garden tracts from 20 to 80 acres, close in, that will afford nice homes and investments. For particulars and prices address

THE HEATH COMPANY, Topeka, Kansas.

## FOR SALE

1,700 acres of my 4,400 acre ranch in Kearney county, Kansas, on the Arkansas River and Santa Fe R. R.; 700 acres alfalfa land, 60 acres in alfalfa; all fenced with three and four wires; 5 room frame house stone basement; barn 25x50 feet, part stone basement; stock sheds with iron roof, all well built and 300 yards south of Sutton Flag Station; wells at house, barn and in pasture. Reason for selling: Too big for my foreman to look after. John Shinkle will show place. Price \$20 per acre net to me.

H. H. SMALLEY, Springfield, Mo.

## GOOD FARM FOR SALE.

James E. Johnson's improved farm in Wabasha county, Kansas (county seat, Alma). 300 acres all fenced; has good house and stable; plenty of water, creek flowing through it; 1/2 of the land under cultivation, balance pasture; soil excellent, and the farm has always been profitable; located two miles from postoffice. This farm is now to be sold to settle an estate, and correspondence is solicited for its purchase. Address A. D. MADDEN, Clarksville, Ohio.

## LOOK AT THIS

80 acres, 4 miles to town, 1/2 mile to school, 6 room house, good orchard, shade, 2 wells, 60 acres cultivated, 20 acres pasture; every foot can be plowed; lays nice, no rough land. Price \$2800.

A. P. ROSA, Galesburg, Kansas.

IMPROVED Anderson county corn, wheat, oats and alfalfa farms at \$40 to \$60 per acre. Write for our free list. Also good exchange propositions. Rice-Daniel Land Co., Garnett, Kan.

TO EXCHANGE FOR FARMS—A general store, a hardware, a fine residence property, a large hotel, all choice properties in good towns. 320 acre stock farm, well improved and watered, near Anthony, 60 acres alfalfa. A bargain with liberal terms. Smithson-Holaday Realty Co., Anthony, Kan.

FOR SALE—Eastern Kansas black prairie corn, alfalfa and clover farms. Some exchanges. Write today for free list and map. G. T. KINSEY, LeRoy, Kan.

IF you want a bargain write for free list of Anderson county farms. You want a trade list with us. Holcomb Realty Co., Garnett, Kan.

## NESS COUNTY, KANSAS.

If you want wheat land, if you want alfalfa land, if you want pasture land, if you want improved land, I've got it. If you will write me just what you want, I will find it for you at prices that can't be discounted.

J. G. COLLINS, Ness City, Kansas.

WE HAVE for sale for a few days a beautiful 5 acre tract, one mile from center of this city, with nice improvements, 5 or 6 room house and good outbuildings, fenced in good shape, a dandy home, just the place for chickens, cow and pigs and garden truck. Price \$3500; will take \$1000 in trade. C. W. Hinnen Realty Co., Holton, Kan.

SEVERAL good farms to trade for stocks of merchandise and land to exchange for city property. Land in the fertile Gulf Coast of Texas, \$20 per acre, on payments; fine climate and farmers get rich in a few years. We go down twice a month. Write me for particulars, Henry G. Parsons, Lawrence, Kan.

## ANDERSON COUNTY.

320 a., 140 in cultivation, bal. pasture and mow land, good soil and water, seven room house, large barn, cribs, etc. Five miles to R. R. station. Price \$35 per a. Terms easy. A snap. Write for full information.

GEO. W. ILLER & SON, Garnett, Kansas.

IF YOU are in the market for the best farms in Southeast Kansas at the very lowest prices, see us. We handle nothing but the best. We are also handling some very fine fruit, grain and stock farms in Washington Co., Ark. Our customers our references. Smeltzer & Co., Iola, Kansas.

## 160 ACRES

level second bottom, 4 miles from county seat, 160 acres under plow, 15 acres alfalfa, running water fed by spring, 5 room house, barn for 6 horses, large hay shed and other good improvements; good bearing orchard. Price \$65 per acre; easy terms. Joseph D. Ryan, Abilene, Kan.

## FRANKLIN COUNTY BARGAINS

Well improved farms \$35 to \$75 per acre. Write for list. PRINCETON LAND CO., Princeton, Kan.

## GOVERNMENT LAND

Now open for settlement in beautiful, fertile Sulphur Springs Valley, southern Arizona. Fine water. Delightful climate. We can locate you on good land, close to new railroad. Valley settling up rapidly. Write for descriptive circular today, as this ad may no longer appear again.

JOHN A. DEERING & CO., Courtland, Arizona.

## A CHEAP DAIRY FARM.

Located 1 1/2 miles from the city limits of Wichita, Kan., containing 120 acres of very rich and productive land, 25 acres fine alfalfa; 65 acres in a high state of cultivation; balance pasture and meadow; good 6-room house, large barn, granary, corn crib, chicken house, some cement floors, fine well of water at a depth of 20 feet, large cement water tank, all buildings nearly new and good, all fenced and cross fenced; fine orchard of all kinds of fruit. Price \$100 per acre.

EDWIN TAYLOR REALTY CO.,

107 South Main Street, Wichita, Kansas.

## FARMER WANTED

To buy 240 a. at \$60 per a.; \$4400 cash, balance to suit, joins town, granary on R. R. right of way. Phone, free gas.

B. H. DUNBAR, Tyro, Kansas.

## CENTRAL KANSAS.

McPherson Co., for wheat, corn and alfalfa; best improvements, schools and climate, \$30 to \$100 per acre. We can get you what you want.

BREMYER & BRUBAKER,

McPherson, Kansas.

KAN. AND OKLA. FARMS—City property, mds., livery barns, etc., for exchange. Real Estate Exchange, Coffeyville, Kan.

SOME splendid bargains in Famous San Luis Valley. Cline Land Co., LaHarpe, Kan.

WHAT have you to trade for lands or city property? Hale, Coffeyville, Kan.

## FOR SALE OR EXCHANGE.

For exchange for gift ed farm, 20 a. in McPherson corporation, 5 a. orchard, 10 a. pasture, 5 a. alfalfa, valuable imp., modern, 80 rods to good college. Can give good reason for selling. BREMYER & BRUBAKER, McPherson, Kan.

JUST 10 days left in which to sell

Improved 80 7 miles of Richmond, Franklin Co., for \$4,000. Can give time on half. Don't wait to write, but come at once. We have a large list.

MANSFIELD & CO., Ottawa, Kansas.

## JOHN W. BAUGHMAN

LIVE AGENTS WANTED to sell town lots in Best Little City in Southwestern Kan. Prices \$12.50 to \$50. Easy monthly payments. Best selling proposition ever placed on the market. Good commissions. No Experience Necessary. Full instructions. You can sell them. Write me today. JOHN W. BAUGHMAN, Plains, Kansas.

PLAINS TOWN LOTS

GET OUR BOOK OF 500 FARMS and properties everywhere to trade. Graham Bros., Eldorado, Kan.

FARMS, Ranches, Mds., Trades. Would you build an agency? Buckeye Agency, Agricola, Kan.

IMPROVED FARMS in S. W. Kansas at N. W. Oklahoma, \$10 to \$25 per acre. Write Moore & Falls, Liberal, Kan.

SOUTHERN KANSAS FARMS for sale. Your terms are ours. Write to the Benton Land Co., Benton, Kan.

MONTGOMERY COUNTY LAND—Write today to Foster Bros., Independence, Kan. for list and map. Oldest realty company in southwest Kansas.

## CHOICE FARM BARGAINS

I want some straight buyers for a few choice 80, 120, 160 and 320 acre farms in Central and Eastern Kansas. I have a good combination stock farms and ranches that are good bargains. Write me describing fully what you want. Have some large places to trade for smaller.

J. M. McCOWN,

516 Commercial St., Emporia, Kansas.

## LIVE AGENT WANTED

In your locality to assist in selling corn wheat and alfalfa land. We own thousands of acres in Lawrence and adjoining counties. Write for proposition on our own ranches.

FRIZZELL & ELY,

Larned, Kansas.

## A BARGAIN—640 ACRES.

240 a. fine bottom land in cultivation, a. mow land, 330 acres pasture, good house of 7 rooms, barn 40x80, cow stable 30x20, granary 12x30, corn crib for 3800 bu., plenty of shed room, 4 good wells, place well fenced and cross fenced. Price \$15,000.

E. H. JONES, Sedan, Kansas.

## O U LAND SEEKER, TAKE NOTICE.

320 acres, 6 miles from Latham, Butler Co., Kan., all nice smooth land, 140 acres in cultivation, bal. pasture and meadow, good 7 room house, good barn for 30 head of stock and 100 tons of hay, cattle shed, and other good outbuildings, everlasting well and windmill and tanks. This is No. 1 farm and a bargain. Price \$50 per acre.

160 acres 7 miles from Latham, all nice smooth land, 60 acres in cultivation, balance meadow land, all tillable, all fenced with hedge and wire. No other improvements. This is a special bargain. One mile to school, on R. F. D. and phone line. Other land in the neighborhood is selling from \$40 to \$70 per acre. Price for 20 days on \$25 per acre. We make exchanging a specialty. For further information address

H. F. ADAMS & CO.,

Latham, Kansas.

## WANTED FARMER

To buy 240 a. at \$60 per a.; \$4400 cash, balance to suit, joins town, granary on R. R. right of way. Phone, free gas.

B. H. DUNBAR, Tyro, Kansas.

## READ THIS BARGAIN

160, Anderson county, Kansas, joint small town, 120 cult., 30 timothy and clover, 7 room house, barn, etc. Price \$8,000. 160, 2 1/2 miles of Welda, Kan.; 60 cult. balance meadow; all tillable; no buildings \$5600.

SPOHN BROS.,

Garnett, Kansas.

## FIELD NOTES.

G. S. Lawson of Ravenwood, Mo., is offering for sale a 4-year-old jack of very high quality. This jack is black, with white points, extra heavy bone with fine skin and action. He was sired by Oliver Crow, well, dam Victoria, and is a very fine individual. Mr. Lawson is also offering for sale a 2-year-old registered Percheron stallion. This colt is 17 hands and 1 inch high and in ordinary flesh weighs 1,600 pounds. He is black with a small star in forehead, has fine style and action and was sired by the imported stallion Dolmen No. 45321. Is a very fine individual and can be bought right if taken at once. Mr. Lawson is a breeder of Hampshire hogs and has one of the best herds in north Missouri. He has a number of very fine gilts for sale. Write him and describe what you want and your order will receive prompt and satisfactory attention.

## A Great Holstein Herd.

At Scranton, Kan., 20 miles south of Topeka, Kan., is located one of the best herds of registered working Holstein cattle that can be found anywhere in the West. The owner, Mr. J. P. Mast, began breeding his favorite breed, 23 years ago, and at the time his herd numbers about 50 head every one except the herd bull bred by himself. The first females purchased were the Pauline Paul, Sarcastic Lad family. The last named bull was winner of first St. Louis World's Fair. Many of the cows in herd trace to him. All of the young lings and young calves, of which there are a splendid lot, were sired by the great Prince Ormsby Mercedes DeKol, one of the most noted bulls ever brought West. Mast has recently sold him to the Nebraska Agricultural College. He weighs 2,200 pounds and is a wonderful breeder. His four generations the cows from which has descended on both sides have averaged 20 pounds of butter per week and several of his sisters have made 30 pounds. take this great bull's place Mr. Mast purchased from Henry Field of Brockton, Mass., the young bull Duchland Corcoran. Mr. Mast's brother to the noted cow P. tiao Gladi, test 321 pounds, world's record for 4-year-old cow. He is also a grand sire of Aggie Cornucopia, a 34-pound cow. Mast has a herd of exceptionally large cows with splendid udders. They are the very kind and make money and lots of it for their owner. However, Mr. Mast finds it necessary to reduce the size of the herd a few females, also some young bulls. Mention Kansas Farmer when writing.

(Continued on page 30.)



**SEED POTATOES, SEED CORN  
OATS AND ONION SETS**

Send for our **SEED CATALOGUE** all kinds of  
**FIELD AND GARDEN SEEDS.**  
**HAYES PRODUCE CO. 524 N. KANSAS AVE, TOPEKA, KAN.**

## THE BEST FARMS IN KANSAS

HERE ARE OUR LEADERS! TERMS ON ALL THESE.

**FOR SALE  
10 GOOD FARMS  
IN  
LABETTE COUNTY  
KANSAS**

152 acres, all very dark loam or black soil, lies level with slope enough to drain, five room house and large barn, family orchard, 1/4 mile to railway station and creek yards, 2 1/2 miles to this city, in fine neighborhood, adjoining farm just sold for \$62 an acre. This land is better, improvements not so good, but our biggest snap. \$45 per acre.

160 acres, lays fine, every foot good tillable ground, 80 acres under plow, 10 prairie meadow, 70 acres fine pasture, in which is never failing spring, good five room house, barn 30x30, corn crib 8x52, chicken house, hog house, cattle shed, nice orchard, 1 mile to school. Price only \$50 per acre.

160 acres, 4 miles from Mound Valley, 37 acres under plow, 25 acres timothy and clover, 60 acres pasture, abundance of water furnished by creek and wells, good new 4 room house, barn 24x50, with other necessary outbuildings. Natural gas for fuel and lights. Price \$40 per acre.

160 acres finely improved, three miles from this city, 1/4 mile to school, good ten room house, barn 36x40, with other necessary buildings, natural gas for fuel and light. Farm lies practically level with good natural drainage, 60 acres clover and timothy, 30 acres pasture, balance cultivation. Price \$60 per acre.

240 acres finely improved, 1 1/4 miles from county high school, lays nice with good drainage, good two story six room house, barn 40x60, nice shade, well fenced and plenty of water. Price \$55 per acre.

160 acres, 2 1/2 miles from town, lays fine, good dark loam and black soil, 130 acres in cultivation, 8 acres prairie meadow, balance pasture, good six room house, plenty of good water, well located. A snap. \$35 per acre.

100 acres, five miles out 50 acres in cultivation, good soil, four room house, some orchard. A snap at \$35 per acre and will carry \$2,000.

160 acres 2 miles from city, fine land, lays nice, all bu. four acres timothy, 6 acres alfalfa, 20 acres hog tight, 40 acres timothy and clover, good six room house with cellar and gas for fuel, well, nice water, across road to school, big Polk \$55 per acre.

275 acres, extra good, this farm and Chas. S. B. 1/4 of one section and 11 1/2 bottom land just across the road, alfalfa, all the balance, at about same grass and being 2 1/2 miles from city, improvements are 6, Tenn. house, new barn 60x100 tons of hay, corn, apartment, windmill and never failing supply of water, across road 2 miles. Price \$60 per acre.

158 acres, dandy farm, equipped by room house, 36x48 barn, 18 acres under plow, 18 acres pasture, 44 acres pasture, three point, 10 miles to Coffey and a snap for somebody.

WRITE US—We grow alfalfa, clover, corn, wheat, oats, fruit, anything.

**DONAHUE & WALLINGFORD**

**Mound Valley, Kansas**

### KANSAS LAND

### OKLAHOMA LAND

### MISSOURI LAND

#### BOURBON COUNTY

0 acres 5 miles Fort Scott, 5 room house, good barn. \$45 per acre. 160 acres 7 miles from Scott, good 5 room house, fair barn, waste land. Price \$40 per acre. 160 acres 9 miles Fort Scott, good 6 room house, good barn and outbuildings, plenty fruit, per acre. Write me for further information.

**GEORGE N. BAINUM, Fort Scott, Kansas.**

#### 30 an Acre Near Topeka

60-acre ranch, 25 miles from Topeka, 3 1/2 miles from shipping station, 140 acres under cultivation which is good creek bottom and is all Kaw bottom and is all in line of Union Pacific, all above any road, is all Kaw bottom and is all in line of Union Pacific. This is one of the best farms in Kansas; none better. This must sell before March 1. Want of information, call on or address

**TOPEKA REAL ESTATE CO.,**  
532 Kansas Avenue, Topeka, Kansas.

#### A SNAP

0-acre improved farm, 7 miles west of Lawrence, Kan., 20 miles from Topeka, 1/2 mile west from Buck Creek station, on line of Union Pacific, all above any road, is all Kaw bottom and is all in line of Union Pacific. This is one of the best farms in Kansas; none better. This must sell before March 1. Want of information, call on or address

#### E. ANDERSON

00 North Kansas Ave., Topeka, Kan.  
Ind. Phone 1847.

#### 0 Acres at \$50 Per A.

5 a. in cultivation, 11 room house, fine barn for 18 head stock; 1000 grain, 80 tons hay; other shed and good orchard; alfalfa; hog tight pasture. Can't buy any land adjoining for less than \$65 per a.

**FOX-COOK AGENCY,**  
104 West Eighth, Topeka, Kansas.

#### Best Half Section for the Money in the State

In cultivation, 13 mi. of Topeka, 1/4 mile from station, on U. P., 10 room house, barn for 17 horses, 50 tons hay, 1000 grain, 80 acres alfalfa; fruit; good orchard and outbuildings; fine water; buildings painted; land in fine state of cultivation. Only \$50 per acre.

**JOE RADCLIFF,**  
Rodgers, Davis & Co., 110 West Sixth Street, Topeka, Kansas.

### COLORADO LAND

**KIOWA COUNTY, COLORADO,**  
wheat and alfalfa lands \$8 to \$15, instead relinquishments \$250 up. Folder copy of the Homestead Laws sent free. New 160-acre homestead tracts under selective irrigation yet. THE WESTERN LAND CO., Esas, Colo.

#### GET A HOME.

160 acre farm 2 1/2 miles of R. R. town and 5 miles of county seat, 10 a. in cultivation, 40 a. pasture, 10 a. mow land, 6 a. orchard, 5 a. alfalfa, good 6 room house, small barn and granaries, all fenced, 2 fine wells of water, fine grape vineyard, 1/4 mile to school, farm drains well. Price \$7,000. Immediate possession. One-half cash will handle this. Write for our land list.

**BATTEN REALTY CO.,**  
Medford, Oklahoma.

**POCKET MAP OF OKLAHOMA FREE**  
to anyone sending us the address of five farmers who expect to change their location Caddo County Farm Bargains.

**BALDWIN & GIBBS CO.,**  
Anadarko, Oklahoma.

#### INDIAN LANDS FOR SALE.

300 choice farms in N. E. Oklahoma. Low prices and easy terms. Write for map and price list.

**LEAVITT LAND COMPANY,**  
Vinita, Oklahoma.  
Agents Wanted.

**OKLAHOMA REAL ESTATE,**  
LANDS AND CITY PROPERTY.  
SEND FOR LITERATURE.  
**PERKINS & BOWMAN, HUGO, OKLA.**

### TEXAS LAND

#### A FORTUNE IN 40 ACRES

An irrigated forty acres in the Lower Pecos River Valley of Texas will provide a fortune for any family as well as a model home, in an ideal, all the year around climate. It will pay 100 per cent annually on present cost of land, including water rights. If interested, write at once to

#### THE HEATH COMPANY

GENERAL AGENTS,  
109 WEST SEVENTH ST., TOPEKA, KAN.

#### FARMERS' FREE EXCURSION TO PECOS PALISADES, TEXAS.

As a special inducement to get you to join me on a trip to Lower Pecos Valley January 17, I will pay for your ticket if you bring three men into my office to go with you. I am selling irrigated land under a completed irrigated project. Get away from the cold weather. The sunshine valley of the Pecos is calling you. Write for details. **W. R. DRAPEL, General Agent** Pecos Palisades, 10th and Baltimore, Kansas City, Mo.

### ARKANSAS LAND.

**ARKANSAS FARMS**—The best agricultural land and lowest prices in the Southwest. Hundreds of bargains. Homeseekers' Guide mailed free. State map 15c. **Moore, Searcy, Ark.**

### THE STRAY LIST

**H. G. Huckstadt, County Clerk—Pottawatomie County.**

**TAKEN UP**—One red steer, 1 year past, small letter "M" on right hip; valued at \$25. Was taken up Nov. 20, 1910, by I. B. Plummer, Rock Creek, Moodyville twp.

**Wabank Co.—C. C. Stotler, Co. Clerk.**  
**TAKEN UP**—By Horace Smith, R. 1, Wabank, Kan., on the 15th day of November, 1910, one red heifer, 2 1/2 feet high; short white streak across forehead, left ear cropped and a V-shaped slit in right ear. Appraised value \$16.

#### IMPROVED corn, clover and bluegrass farms 48 miles south Kansas City. \$50 to \$75 per acre. Jot M. Wilson & Son, Harrisville, Mo.

#### TOO LATE TO CLASSIFY.

#### Greenwood Herd Durocs

**FOR SALE**—Choice lot tried sows and gilts, sired by Dandy Duke and Tatarax Model, bred to Model Duroc, Greenwood Chief and Chief Orion. All guaranteed; priced \$30 to \$50. If you want good hogs write me.

**E. D. MARTIN & SONS, Eureka, Kansas.**

#### FIELD NOTES.

#### Polled Durham Cattle Sale.

On February 25, C. J. Woods of Chiles, Kan., will sell 50 head of his famous Polled Durhams, including the great herd bull, Roan Hero, and the champion calf herd of 1910. Mr. Woods has today one of the best herds of Polled Durham cattle in the West. His show records have established a record not equaled by any other breeder. Most all the cows will be bred to the herd bull, Roan Chief, excepting the imported Scotch cow, Lady Marr, which was bred to Barron Marr. Such an opportunity to buy such high class show cattle of this breed does not often present itself to breeders of this section of the country and we would urge all lovers of Shorthorn or Polled Durham cattle to send in their names for catalogs and arrange to attend this sale. Remember the sale date is February 25, 1911. Kindly mention the Kansas Farmer when you write.

Thursday, January 26, is the date of the Mitchell County Breeders' Association big cattle sale. Forty-one head, consisting of 27 Shorthorns, three Angus and 12 Herefords, will go in the sale. Mitchell County is known far and near as the home of a goodly number of herds of pure bred stock. It is one of the strongest and probably is the strongest pure bred cattle center in the state, there being around 20 herds in Mitchell county and vicinity that affiliate with the association. If Kansas Farmer readers are at all interested they should write for the catalog which is just out and arrange to attend this, as it will prove to be a good place to buy the best, which is always the cheapest in the end. The Shorthorns are Scotch Topped and a few of the young bulls are pure Scotch. The Herefords are equally as well bred and will go in the sale in just

good breeding form. The three young Angus bulls will be sold for themselves sale day. The sale will be held at the fair grounds, which is a short distance from both depots and hotels. It will be held in comfort, quarters and the comfort of visitors. Those who will be pleased to receive your inquiry for a catalog and will mail it promptly upon receipt of your name and address. If you have a neighbor or two who think might be interested send his name along and Mr. Rodgers will take care of him also. We will have more to say about this splendid cattle offering next week.

**Hotel Greenwood Herd Durocs.**  
With this issue Charles Stith of Eureka, Kan., starts a card for the famous Hotel Greenwood herd of Duroc Jerseys. Mr. Stith not only has one of the best and most up-to-date hotels in Kansas, but he is the proud owner of one of the best herds of Durocs in Kansas, 200 head of large, roomy sows and gilts and a lot of choice fall pigs. Mr. Stith is an extensive feeder of cattle and in his feed lot you will see as nice a bunch of Duroc barrows as you will find in several days' travel. For several years Mr. Stith has placed every poor-footed or bad color Duroc in the feed lot, until today he can show as fine lot of brood sows and gilts as any breeder. If you need a good bred sow or bred gilt write to Charles Stith at Eureka, Kan. He will not ship anything that is not first class and worth the money paid for it. Kindly look up ad in this issue and mention Kansas Farmer.

**Durocs With Quality.**  
With this issue R. D. Martin & Sons start a card in Kansas Farmer offering to the public a choice lot of bred sows and bred gilts. The sows and gilts offered are sired by Dandy Duke and Tatarax Model, two great herd boars. Dandy Duke was first at the American Royal in 1908 and has sired several prize winners and high-class Durocs. Tatarax Model is a son of the well known Chief Tatarax by Ohio Chief. He was shown at the Kansas State Fair in 1909 and given grand champion. He was also given grand championship at Oklahoma State Fair the same year. Tatarax Model promises to make as great a hog as his sire. The class of sows and gilts Mr. Martin & Sons are offering are real bargains at the price asked, \$30 to \$50 for bred sows and large, growthy spring gilts bred for early spring litters. The writer spent part of a day at the Martin farm and saw over 200 head of fine Durocs, and if you buy from this herd you cannot make a mistake. R. D. Martin & Sons have always been known for their honesty and fair dealing. Just send your check and tell them to ship you a good bred sow or bred gilt and you will not be disappointed when you receive it. Please mention Kansas Farmer when you write.

(Continued on page 30.)

## LAND OUR NATURAL WEALTH

"Buy land and cultivate it. Protect the soil and handle it intelligently—and you have a mine that no man can exhaust—quite unlike other mines."

This is the advice which James J. Hill, financier, railroad builder and business executive gives to the men and women of the United States.

Here is a man who manipulates the wealth of cities but who points a prophet finger toward the undeveloped wealth of the country.

Pickering, Vernon Parish, Louisiana, has more natural assets than any other land section for sale in America today.

These are: The healthy, high altitude of an upland parish; an abundance of clear, running streams and fine springs; the absence of stagnant water; the natural grasses which offer forage for stock of all kinds at all seasons of the year; the vast number of varied products which the fertile soil and favorable climate of the protected Gulf Coast region produces.

Also, an annual rain fall of from 45 to 50 inches, so distributed as to be especially favorable for crop productions throughout a long growing season. All the fuel you can use, for the hauling—and lumber for building at wholesale mill prices.

This is a true wonderland where anything that man needs can be made to grow and where many of the city luxuries are native.

Fruits, nuts, grains, forage and cotton grown in this section are second to none.

The truck growing industry has here the opportunity of a constant season, two and three crops, a near and ready market and excellent transportation facilities.

This is not an untried experiment. The land offered for sale by the Pineland Manufacturing Company is proved land as shown by the Graniss Plantation, which is the "Demonstration farm" of this Company.

The titles to all land are good and guaranteed. The price for an acre is but \$15 now and the terms will be satisfactory to you.

Where is a great natural opportunity, and there will never be another such crop of good, cheap land in the United States. For Free booklet write to

**J. D. LABRIE, GENERAL LAND AGENT**  
568 Keith & Perry Buildings, KANSAS CITY, MISSOURI



## HORSES AND MULES

**THE BEST IMPORTED HORSES, \$1,000 each.** Home-bred, registered draft stallions, \$200 to \$600 at my stable doors. Address **A. LATIMER WILSON, Creston, Iowa.**

**HOME-BRED DRAFT STALLIONS \$250 to \$600;** imported stallions, your choice \$1,000. **F. L. STREAM, Creston, Iowa.**

## JACKS

I have on hand a large collection of the best stallions the world produces. I have the best line of big boned, dapple gray and black, ton stallions that can be shown in the United States this season. These stallions measure from 12 to 14 inches below the knee and from 11 to 13 inches below the hocks and carry corresponding quality in weights from 1,800 to 2,630 lbs. I am offering greater attractions than other importers.

Forty big imported mares, all registered. **W. L. DECLOW, Cedar Rapids, Iowa.** Register your jacks in the American Jack Register. Write for blanks.



**KENTUCKY MAMMOTH JACKS.** We have located at Hutchinson and will be at the fair grounds. Our first shipment has just arrived. Write for circular or come to see the best barn of jacks in the West. **J. F. COOK & CO., John C. Kerr, Manager, HUTCHINSON, KANSAS.**

**EIGHT HEAD OF JACKS FOR SALE.** Yearlings to 6 years old; 5 good mule jacks from 14 to 15 1/2 hds. jack measure; very smooth bodied; priced to sell. Come and see them. **G. W. OVERLY, McCune, Crawford Co., Kansas.**

One of the largest number of large bone and smooth jacks in the West; 14 to over 16 hands high; prices reasonable. 40 miles west of K. C. on U. P. and Santa Fe Rys. **AL. E. SMITH, Box A, Lawrence, Kan.**

**JACKS AND JENNETS** 20 large jacks from 2 to 7 years old. 23 head extra good Jennets priced right. Come and see me. **PHIL WALKER, Moline, Elk Co., Kansas**

**FIFTY JACKS AND JENNETS.** Every one a Black Mammoth 14 1/2 to 16 1/2 hands high, 2 to 7 years old. I will show you one of the best bunches you ever saw. **ED BOEN, Lawson, Missouri.** Lawson is 40 miles northeast of K. C.

**J. E. CLARY & SONS** PLEASANT RIDGE STOCK FARM, Sheridan, Mo. Breeders of high quality jacks. Only high class breeding stock offered and all statements in reference to stock guaranteed and we always stand for a square deal. When you buy from us you get the best. A number of very fine serviceable jacks for sale worth the money. Write or come and see us. Watch for sale date. **J. E. CLARY & SONS, Sheridan, Mo.**

**JACKS—An extra fine 4-year-old jack for sale;** black with white points; extra heavy bone. One 2-year-old Percheron stallion, 17 hands high, wt. 1200. Also Hampshire gilts. **G. S. LAWSON, Ravenwood, Nodaway Co., Missouri.**

**JACKS AND STALLIONS.** To close out breeding stock, will offer 2 registered Percheron stallions, 1 registered saddle stallion and 5 black mammoth jacks of Mo. and Kentucky blood, from 2 to 6 years old; from 15 to 15.3; standard; registered. **J. E. PARK, Cameron, Mo.**

**JACKS AND JENNETS.** Five extra fine jacks for sale, one 5 years old, one 4 years old, two 2 year old and one yearling; also three extra fine jennets. Bargains if taken at once. **F. S. BURGESS, Dearborn, Mo.**

**FOR SALE—15 registered Black Mammoth Jacks.** Won first premiums on jacks, first on jennets and first on mule colts at Hutchinson State Fair, 1910. **H. T. HINEMAN, Dighton, Kansas.**

Choice registered Mammoth jacks 15 to 16 hands high; good individuals with plenty of bone and vigor and ready for service. Also one registered 2-year-old black Percheron stallion. **Bruce Saunders, Holton, Jackson Co., Kan.**

## ANGUS CATTLE

**BIG SPRING ANGUS FARM—Jasper Auldridge & Son, Pattonsburg, Mo., Props.,** breeders of Angus cattle and Duroc Jersey hogs. Four choice bulls and a number of choice heifers for sale. Breeding stock for sale at all times.

## PARKER PARRISH &amp; CO.

HUDSON, KANSAS.

## Pure Blood Angus Cattle

Herd bulls: Japan Ito, Envoy 2d, Evener 2d, Jett's Hale Lad, 400 in herd, Violet's best blood; can ship on Mo. Pac. Santa Fe or Rock Island. Stock for sale at all times.

## 80 Angus Bulls

OF SERVICEABLE AGE.

Herd Headers and Range Bulls. Many of them by Champion Ito.

**SUTTON FARM, Lawrence, Kan.**  
500 HEAD IN HERD.

## POLLED DURHAM CATTLE

BELVEDERE X2712-195058

Son of the \$1,500 Grand Victor X1633 150365 heads my herd of Double Standard Polled Durhams. A few extra good, blocky, thick-fleshed young bulls for sale. Inspection invited. Farm adjoins town. **D. C. VAN NICE, Richland, Kansas.**

## JERSEY CATTLE

## LINSCOTT JERSEYS

Offers a few choice cows in milk and some bred heifers. Milk and butter records accurately kept.

**R. J. LINSCOTT, Holton, Kansas.**

## Jerseydale Stock Farm

Imported and American Bred Jerseys. Carthage, Mo.

**PHIL HANNUM, JR., Owner.**

I am offering a yearling bull ready for service, out of a five-gallon cow, bred along the same lines as the cow that won at the World's Fair, at a very reasonable price. Write today if you are in need, as I price stock at figures that sell them.

Grade Jerseys bought on commission.

**JERSEYS FOR SALE PRIVATELY.**

Bulls old enough for service sired by Beatrice Stockwell, Golden of Spring Hill and Donella's Jewell. Also cows and heifers rich in the blood of St. Lamber, Coomassie, Golden Fern's Lad, etc. Reasonable prices. **S. S. SMITH, Clay Center, Kansas.**

**GOLDEN RULE JERSEY HERD.** Headed by Ooner's Eminent by Eminent Rosette, tracing to Golden Lad on sires, and out of the noted cow, Financial Queen. The dam of Ooner's Eminent was the \$1000 cow Ooner 2d by Gueon's Golden Lad 62168.

**JOHNSON & NORDSTROM,**  
Clay Center, Kansas.

**TO MAKE ROOM FOR WINTER I WILL SELL**

**20 HEAD REGISTERED COWS** Forty head to select from; also a few bull calves. **J. B. SMITH, Beatrice, Nebraska.**

## FINE JERSEYS FOR SALE.

I have ready for service three sons of Merry Maiden's Golden Lad and one son of Susan's Eminent out of cows that will make two pounds of butter per day. I am also offering a few cows and heifers at reasonable prices. These are bred to Oxford Masterpiece. **W. N. BANKS, Independence, Kansas.**

## SHORTHORN CATTLE

ELM GROVE FARM.

Shorthorn cattle and Percheron horses. Write for description and prices. **ISAAC NOVINGER & SONS, Kirksville, Missouri.**

## RENO HERD

## SHORTHORNS

Five extra good Scotch and Scotch Topped bulls, 10 months old. Roans and reds, sired by Victor Archer and Forest Knight by Gallant Knight. Priced right. **R. A. Stewart HUTCHINSON KANSAS**

## Tomson Shorthorns

Herd Bulls—Barmpton Knight and Gallant Knight's Heir. A very choice lot of young bulls and heifers for sale. Several are half brothers or sisters to our grand champion heifer, New Year's Delight. Come and see our herd or write your wants.

**T. K. TOMSON & SONS, Dover, Kan.**

**R. R. Station Willard, on R. I., 16 miles west of Topeka.**

## Humboldt National Stock Farm

Shorthorn cattle, large type Poland China hogs. 10 spring boars and gilts priced right. Write me your wants. I meet parties at trains. We can do business. Come and see me.

**H. F. PELPHREY & SON, Humboldt, Kansas.**

## SHORTHORN CATTLE

**SHORTHORN CATTLE—Richland Grove Farm, breeders of Shorthorn cattle and Berkshire hogs.** Lavender Goods No. 300096 and Victor Orange lead this herd. Lavender Goods sired by White Goods; Victor Orange sired by old Victorious. Address **H. R. Coffey, Savannah, Mo.**

## NEW BUTTERGASK SHORTHORNS.

Best of breeding and individuality, representing such families as Imp. Bessie 51st, Brawith Buds, Daybreaks and Floras for sale now. The champion bull at the last Mitchell Co. State-Wide Fair; a grand good bull; 1 year old; is related to all our cows or he would not be for sale. Write for description and price. **MEALL BROS., Cawker City, Kan.**

## 10 SCOTCH BULLS

from 10 to 14 months old. One roan, 9 reds, sired by show bulls and out of show cows. Must be sold to make room. Priced at \$75 to \$125. These are all good. I make steers out of my poor ones. Come at once. They will suit you.

**COL. ED. GREEN, Florence, Kan.**

## Pearl Shorthorns

40 BULLS, 6 to 20 months old, straight Scotch and Scotch Topped—mostly red. Can spare a few females, same breeding.

**C. W. Taylor, Enterprise, Kan.**

**R. R. station, Pearl, on Rock Island.**

## EVERGREEN HOME FARM.

Lathrop, Missouri.

Milking Shorthorn cattle, bred hornless, Berkshire hogs. Oxforddown sheep. Bourbon Red turkeys. Young breeding stock for sale. A herd of 35 bred Oxforddown ewes to go at a bargain if taken at once. Address **J. H. WALKER, Lathrop, Missouri.**

## 8 - YOUNG SHORTHORN BULLS - 8

for sale. Scotch and Scotch Topped. Good individuals. Will sell few cows and heifers. **S. B. AMCOATS, Clay Center, Kansas.**

## SHORTHORNS

Bulls, cows and heifers for sale, nicely bred and good individuals, priced reasonable. Write or come and see my herd. **C. H. WHITE, Burlington, Kansas.**

## GOLDEN KNIGHT.

by Golden Prince by Gallant Knight at head of herd; a few choice heifers for sale, excellent breeding; also Percheron stallion colts. Prices reasonable.

**JOHN W. TREADWAY, Kincaid, Kansas.**

## RED POLLED CATTLE

## RED POLLED CATTLE.

A few choice young bulls for sale; also a few cows and heifers. **C. E. FOSTER, Eldorado, Kansas.**

**COBURN HERD of Red Polled cattle and Percheron horses.** Young stallions, bulls and heifers for sale. **Geo. Groemiller & Son, Pomona, Kan.**

## HEREFORD CATTLE

## HEREFORD BULLS AND FEMALES.

Two choice Hereford bulls 10 to 18 months old sired by Enterprise (12614), dam Prairie Queen (127345) by Counsellor (71682); eight choice heifers coming two and three years old, same line breeding; priced reasonable; all in good condition. Write or come and see me.

**HARRY V. BALDOCK, Wellington, Kansas.**

Brookside Farm, Savannah, Mo., breeders of Hereford cattle. Herd headed by Hesold 101st No. 162585 and Horace No. 300428, he by Beaumont. Young bulls for sale. Mail orders given prompt attention.

**WARREN LANDERS, Savannah, Mo.**

## SPRING CREEK HEREFORDS.

Headed by Christy 234417, Prairie Donald by Beau Donald 7th, and Sir Morgan by Onward 18th. Cows of Anxiety 4th, Hesold, etc., breeding, including imp. animals. Over 100 head in herd. Few choice young bulls and some good females for sale.

**TOM WALLACE, Barnes, Kansas.**

## HOLSTEIN CATTLE

## SUNFLOWER HOLSTEINS.

Bull calves from A. R. O. dams, bull calves from dams producing 50 lbs. to 70 lbs. milk per day. The best of breeding, choice individuals. Service bulls that cannot be beat. Buy from Sunflower Herd, home grown, home raised, large, thrifty, acclimated. Breeding, individuality, size, markings all of the very best. Prices are right and satisfaction guaranteed. The largest herd in Kansas. The best herd in Kansas. Visit us, write us. Herd established 1907, and now comprises nearly 70 head. **SUNFLOWER HOLSTEINS** are now the pick of nearly four years careful sorting.

**F. J. SEARLE, Oskaloosa, Kansas.**

## HOLSTEINS FOR SALE.

Four very choice young bulls and a few cows and heifers for sale, mostly sired by Prince Ormsby, no wowned by Nebraska Agricultural College. Him dams on both sides for four generations average 20 lbs.; he has 30-lb. sisters.

**A. P. MAST, Scranton, Kansas.**

## HOLSTEIN CATTLE

For 8 Holstein-Friesians cows and 18 bulls, all registered; all good; A. R. O. have to make room for stuff. Come and see them.

**S. W. COOKE & SON, Maysville, Mo.**

**HOLSTEIN CATTLE—Young bulls of famous Shadybrook family and some calves.** This herd is headed by the celebrated Sir Johanna Colantha Payne 42146. No females at present. Address **M. E. MOORE & CO., Cameron, Mo.**

**B. L. BEAN, Cameron, Mo.,** breeder thoroughbred Holstein-Friesian cattle. few young cows and heifers for sale; also few young Korndyke and Johanna bull all choice individuals. Address **B. L. Bean, Cameron, Mo.**

## Holstein-BULLS BULLS BULLS—Holstein

Rock Brook Farm offers for quick sale bulls ready for service. These are sons of King Hengerveld, the only son of Hengerveld De Kol, out of a 31-pound A. R. O. dam. Grandsons of De Kol Burke, sired Inka Burke De Kol, who is a son of De Kol Burke, out of Small Hopes De Kol, with A. R. O. record of over 24 pounds. Grand sons of King Segis, sired by one of his sons. In all the most fashionably bred of Holstein bulls that were ever sent out of New York state by one man or firm. Price are within reach of all, and we solicit correspondence. **Rock Brook Farms, Sta. Omaha, Neb.**

## HOLSTEIN CATTLE.

The Most Profitable Dairy Breed. Illustrated descriptive booklets free. Holstein-Friesian Ass'n of America. **F. L. HOUGHTON, Sec., 114 Brattleboro, Vt.**

## DUTCH BELTED CATTLE.

**DUTCH BELTED CATTLE—A few young animals of choice breeding for sale.** Springfield Stock Farm, Concordia, Kan.

## GUERNSEY CATTLE.

**GUERNSEY CATTLE FOR SALE—Young bulls by Eminence of Birchwood, 668 to 700 pound fat records.** Stock guaranteed against tuberculosis for 6 months after sale. Largest herd in Kansas. Farm near Roxbury, Kan., and visitors welcome except Sunday. **FREDERICK HOUGHTON, Galva, Kansas.**

**WILLOW BRANCH GUERNSEY FARM** **J. H. DUSTON, Prop., Hamilton, Missouri.**

Breeder of thoroughbred Guernsey cattle. Herd headed by Tilly's Major No. 864. Young bulls for sale, among them Ma. Bonnie Boy No. 3309 and two yearlings the choicest breeding. Address **J. H. DUSTON, Hamilton, Missouri.**

## GALLOWAY CATTLE

## Capital View Galloway

A few choice young bulls sired by Imperial Campflower 3d of Stepford 30938 (8407) and Meadow Lawn Medalist 28756.

**G. E. CLARK,**

**2101 Van Buren St., Topeka, Kan.**

## AUCTIONEERS

**H. R. LITTLE** Live Stock Auctioneer, Abilene, Kan. A close student of men and methods with 20 years' experience as a breeder of Shorthorns. Entire time devoted to auction work. Reasonable charges for first-class service. Write or telephone.

## LET ME BOOK YOUR WINTER SALE DATE.

Can make right terms and give satisfaction. On block or in the ring. Write, wire or phone.

**COL. RAY PAGE, Friend, Neb.****FRANK J. ZAUN,**

**Fine Stock Auctioneer.**

Am selling for the best cattle and breeders in the West. Terms very reasonable. Write or wire for dates. **"Get Zaun; He Knows How."**

## FRANK REGAN, ESQON, KA

Years of continuous selling has proved ability and my employers are my best advertisers. Write, wire or phone for dates.

## JOHN D. SNYDE

AUCTIONEER.

**WINFIELD, KANSAS.**

I sell for many of the most successful breeders.

## LAFE BURGE

LIVE STOCK AUCTIONEER.

Write or wire me for date.

**WELLINGTON, KAN.**

## W. C. CURPHEY

LIVE STOCK AUCTIONEER.

Write, phone or wire me for dates.

**ABILENE, KANSAS.**

## BERKSHIRES

## LARGE ENGLISH BERKSHIRE

Breeding Stock for Sale.

**H. U. McCURDY & CO.,**

**Hutchinson, Kansas.**

**40-BOARS AND GILTS—40** Herd boar, Forest Supreme by King est, dam by Lord Lee. For sale, 20 spring boars and 20 spring gilts, good ones. \$20 for choice. Write at once. **MANWARRING BROS., Lawrence, Kansas.**



**POLAND CHINAS**

**POLAND CHINAS**

**POLAND CHINAS**

**POLAND CHINAS**

**DESIGNER. SEARCHLIGHT**

Kansas Live Stock History Does Not Give the Names of Two More Consistently Successful Animals Than These, Our Chief Herd Bull and Boar.

They and their assistant are the factor in the everyday "make good" business practice which has given us a mighty satisfactory business in

**SHORTHORNS AND POLAND CHINAS.**

Stock for sale at all times and prices reasonable. Look for our sale dates and send for catalogue; each year better than the year before.

C. S. NEVIUS, Chiles, Miami County, Kansas.



**BIG BONED POLAND CHINAS**

Summer and fall boars sired by BLAINS WONDER; ORPHAN CHIEF by Orphan; JOHN LONG by Long John. The best lot I ever raised. Get your order in early and get your pick of my herd. My next bred sow sale January 20, 1911. Send for catalog.

JOY JOHNSTON, South Mound, Kansas.

**THE MORTONS**

**QUALITY AND SIZE POLAND CHINAS.**

Herd headed by Equipment 5153C by Impudence. For quick sale, 20 summer and fall gilts sired by a son of Meddler 2d, bred for August farrow. Also 3 fall boars. All representations guaranteed.

THE MORTONS, Tampa, Kansas, Marion County.

**SPRING BOARS**

We still have a few extra good spring boars for immediate sale, sired by First Quality Grand Chief. They will be priced right. Can also spare a few gilts, bred and open.

YOUNG & KIMMERLING, Glasco, Kansas.

**LAREDO HERD**

and Chinas, headed by Impudence Style 2378 and F. R.'s Meddler by Meddler for 15 fall gilts bred for fall farrow and other gilts.

G. W. McKAY, Laredo, Mo.

**LARGE TYPE POLAND CHINAS**

Herd headed by Big Hadley, Long John and John Ex. Young stock for sale at all times. A few choice Hadley boars.

CHARLES Z. BAKER, Butler, Missouri.

**KING DARKNESS No. 149999**

has my herd of RICHLY BRED POLAND CHINA SOWS. I have a few choice gilts and also sows bred to him for sale. A nice lot of fall pigs by Peerless Perfection 2d.

F. J. MILLER, St. John, Kansas.

**BOARS FOR SALE-12**

12 good, growthy Poland China boars for sale, from \$20 to \$30. Write me your wants.

A. L. ALBRIT, Waterville, Kansas.

**MILLIGAN'S POLANDS.**

Some extra good spring boars by Voter and Perfect Mischief priced low for short time. Gilts all reserved for Feb. 22 sale.

W. C. MILLIGAN, Clay Center, Kansas.

**HARTER'S BIG KIND POLANDS**

Headed by Mogul's Monarch 4558 and pt. Hutch 39068. Bred sow sale Feb. 16. Barre? Rock cockerels for sale.

J. H. HARTER, Westmoreland, Kansas.

**g Type Poland China Gilts**

A few very choice ones sired by the great likes Again and safe in pig to a grandson Grand Look. \$30 each if sold soon.

J. E. WHIPPLE, Fall City, Neb.

**aner's Great Big Poland Chinas**

Big and with quality. The big litter sort. 10 boars left. Bred sow sale Feb. 9.

H. C. GRANER, Lancaster, Kansas.

**UCCESSFUL SWINE RAISING**

J. R. Sparks, breeder of fancy Poland Chinas, has compiled a valuable book on how to grow, breed, feed, judge and exhibit in strong competition. This is one of the best of its kind. Write at once and mention Kansas Farmer. Address

J. R. SPARKS, Hunter, Oklahoma.

**POLAND CHINAS**

BRED SOWS AND GILTS. Ten Strike, grand champion at the Oklahoma State Fair, 1908, heads the herd. Special prices on a few bred sows and gilts. Pedigrees furnished when hogs are desired.

T. M. CHAMBERS, Oswego, Kansas.

**BLUEGRASS VALLEY STOCK FARM.**

Big boned Poland Chinas. Herd headed by Big Hadley, King Ex. 3d, Long John the and Missouri Wonder. Four of the best breeding boars of the breed; young stock for sale at all times; everything guaranteed represented.

W. A. BAKER, Butler, Mo.

**Highview Breeding Farm**

THE KIND OF OUR FOREFATHERS. Some of the big-boned spotted Polands. The only registered herd of original spotted Poland Chinas on earth. Bred sow sale February 15, 1911. Ask for catalog.

L. FAULKNER, Box K, Jamesport, Mo.

**THEY ARE PRICED RIGHT.**

Ten Poland China boars for sale at prices from \$15 to \$20, with good bone, backs and heads.

E. M. WAYDE, Burlington, Kansas.

**UREKA HERD of pure bred Poland Chinas**

and Duroc Jerseys. Boars all sold, but have a limited number of Poland China spring gilts bred for early farrow. These are good ones, priced right. Farm 7 miles north of Simpson, Kan. W. H. Sales.

**ROSE LAWN POLAND CHINAS.**

King Darkness by Meddler 2d, assisted Shortgrass Meddler by Meddler 2d head herd of richly bred Poland China sows. Few spring gilts by On the Spot for sale.

J. MANDERSCHIED, R. 3, St. John, Kan.

**WALBRIDGE POLANDS**

**Quality**

L. C. Walbridge, Russell, Kansas

**DEER PARK STOCK FARM.**

Richly bred Poland Chinas headed by the great Impudence E. L. and Noble Chief by Nobleman. Choice lot of spring pigs for sale by Impudence E. L. and Dawley's S. F. Perfection.

D. A. WOLFERSPERGER, Council Grove, Kansas.

**BIG TYPE POLAND BOARS.**

Good ones for sale sired by Expansive, Expansion See, Once Gold Bell Metal. Out of big mature sows. Write for prices.

FREELAND & WILLIAMS, Valley Falls, Kansas.

**BROOD SOW SALE.**

Boars all sold at present except a few fall boars. Brood sow sale Feb. 15. Send for catalog early, as there will be some awful good gilts.

R. J. PECKHAM, Pawnee City, Nebraska.

HAVING concluded not to hold a public sale, I will offer 25 well bred, growthy gilts bred to the best and highest priced large-type young boars out this year; six tried 2-year-old sows bred to Grand Look 2d. This cross produced my best sellers in my fall sale. If you want the best that grows, come or write. Special prices on a number in one deal.

S. A. Bugg, Hamilton, Missouri.

**DUROC JERSEYS**

**DUROC JERSEYS**

**RIVER BEND HERD DUROCS.**

Headed by Fitch's Kant by Kant Be Beat and out of a son by Ohio Chief, one of the best individuals and breeders in the state. Let me know your wants.

W. T. FITCH, Minneapolis, Kansas.

**DUROCS RICH IN COL. BLOOD**

Headed by G. C.'s Kansas Col., mated with the greatest line of sows ever owned by one Kansas breeder. Stock for sale at all times. Bred sow sale Feb. 14.

CHAPIN & NORDSTROM, Green, Kansas.

**SPRING BOARS AND GILTS.**

Best of breeding and top quality. Some early spring boars—good, strong, growthy fellows—will be priced right. By such boars as Agra Top Notcher, Paul Jumbo, Bonney K. and I Am a Bonney K.; also gilts of equal breeding, quality and size, priced right. Address

W. C. WHITNEY, Agra, Kansas.

**SPRINGBANK DUROC JERSEYS.**

Headed by W. H.'s Col., first prize junior yearling boar Hutchinson State Fair, 1908, assisted by Chief Orion, third prize aged boar.

Sow Sale—Ten tried sows by Chief Orion bred to W. H.'s Col. Come and see them.

W. H. WILLIAMSON, Raymond, Kansas.

**R. & S. FARM** 150 Spring Pigs, sired by King of Kant Be Beat No. 38333, and Golden Ruler No. 80555. Write your wants. Bred sow sale Feb. 3, 1911.

RINEHART & SON, Smith Center, Kansas.

**WOODLAWN DUROC JERSEYS.**

Headed by Woodlawn Prince 53343. Sows of Ohio Chief, Orion, Topnotcher and other good families. For quick sale 5 good spring boars, \$25 to \$30 each; also bred gilts.

ROY H. OTT & BRO., Concordia, Kan.

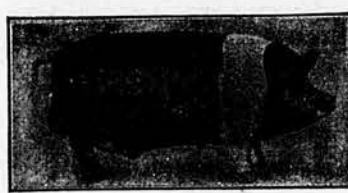
**BRED SOWS, AUGUST FARROW.**

Duroc sows and gilts sired by Bell's Chief 4th and bred to richly bred boars. Will sell and ship when safe.

FRANK VRTISKA, Pawnee City, Neb.

**HOGGETTE CURES AND PREVENTS SWINE PLAGUE**

Guaranteed to knock worms, cure and prevent hog cholera. Money back proposition. Sold direct. Write for terms and particulars. UNGLE'S HOGGETTE CO., 130 No. 10th St., Lincoln, Neb.



**W. F. DAVIS, Breeder of HAMPSHIRE HOGS**

Herd headed by the champion boar PAT MALOY 1415. Breeding stock for sale, either sex. Address, W. F. DAVIS SOUTH ST. JOSEPH, MO.

**HAMPSHIRE HOGS.**

**HILLWOOD STOCK FARM.**

Breeders of Hampshire hogs. Twenty bred gilts for sale. Service boars, pairs and trios, no kin. The celebrated boar Erlanger No. 1039 heads this herd. Address

J. Q. EDWARDS, Platte City, Mo., Route 2.

**OHIO HERD OF MULE-FOOTED HOGS.**

Stock of all ages for sale, sired by five big prize-winning boars and out of big matured and prolific sows. The equal of any breed. I have the largest herd in the land of this vigorous and healthy breed.

JOHN H. DUNLAP, Williamsport, O.

**OHIO IMPROVED CHESTERS**

**MOSSE OF KANSAS**

Kansas Herd of Improved Chester Whites. Grand Champion Sow Kansas State Fair.

ARTHUR MOSSE, R. D. 5, Leavenworth, Kansas.

**MAPLE LEAF O. I. C's.**

The best blood lines represented in this herd. When in need of quality write.

R. W. GAGE, R. D. 5, Garnett, Kansas.



# WALLACE'S MAMMOTH BRED SOW SALE AT BUNCETON, MO., FEB. 8, 1911

More Size, More Quality, More Rich Breedings

In this sale, I will offer to the public 50 HEAD of Large-Type Poland China Sows that are considered by breeders and fieldmen who are familiar with them as probably the strongest collection of strictly fancy bred sows ever put through a sale ring in the corn-belt territory. Besides top selections from my own herd, I am selling tops from half a dozen of the best herds in Missouri, Kansas and Nebraska. Two-thirds of the offering will be bred to the Missouri grand champion. All were bred early and are safe. There will be 10 Grand, Big, Tried Sows from two to four years old, sired by What's Ex, Colossus, Designer, Major Look, Proud Allerton, Orphan Chief, Taxpayer, and other good herd boars. 20 Big, Handsome yearling sows that have raised litters and 20 Large, Fancy Gilts. All are bred to the Great Herd Boars, Expansion Wonder (the champion of Missouri State Fair, 1910) and Grand Leader, two of the best boars living.

My fine illustrated catalogues will be ready to send out January 15. Get your name on my mailing list now. Don't wait to receive it but write today for it, kindly mentioning Kansas Farmer when you write.

AUCTIONEERS—R. L. HARRIMAN, JAS. W. SPARKS.

**W. B. WALLACE, Bunceton, Cooper County, Mo.**

O. W. Devine will represent Kansas Farmer at my sale. Bids sent to him will be carefully handled.

## FRANK IAMS'

new importation of draft stallions and mares arrived October 23, 1910, by "Iams' own special train" of "8 express cars." They are "business propositions," that "jar the cherries" on a "wide-awake" "horseman's hat." Iams' "Peaches and Cream" stallions and mares are "eye-openers." They are "diamonds," sold "at fifty cents on the dollar." They are "winners" and "sons of winners," having won "eighty prizes and medals" at Paris and Brussels and leading European horse shows. Iams makes buyers

### "SIT UP AND TAKE NOTICE"

"Ikey Boys," get into Iams' "money-saving game." Buy a stallion and mare today—save \$300.00. Iams "tickles" buyers with "Rippers" at "Let Live Prices." Owing to bad crops, panic—Iams' cash, his 29 years' successful business. He bought and sells better horses cheaper than ever. Mamma, Iams is a "hot advertiser," but, "he has the goods" and sells horses at his barns only. Buyers get the "middlemen's profits" at Iams'. Iams has

### 160---PERCHERONS AND BELGIANS---160



two to six years old, weighing 1,700 to 2,500 pounds; 90 per cent blacks, 50 per cent ton stallions. All registered and branded. He sells "toppers" at \$1,000 and \$1,400 (few higher), mares \$700 to \$1,000, 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 United States; saves thousands of dollars to stallion buyers. He is not in the stallion trust. Iams places \$1,500 insurance.

**\$1,000 'SAVED AT IAMS' \$1,000**

Ikey, what "a graft" these "stallion salesmen" are working on the 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. Big Bill, 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, buys 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 buyers' fare; gives 60 per cent breeding guarantee. Iams' guarantee is backed by one-half million dollars. Write for million dollar Catalog.

REFERENCES:—ST. PAUL STATE BANK AND CITIZENS' NATIONAL BANK, ST. PAUL, NEB.; FIRST NATIONAL BANK AND OMAHA NATIONAL BANK, OMAHA, NEB.

**ST. PAUL, NEBRASKA**

### ROYAL SCION DUROCS Colonel Ohio Chief Crimson Wonder Sale

At Winfield, Ks., Feb. 1 1911.

I will sell 30 head of choice Duroc sows and gilts, two tried sows, litter mates to Colonel Scion, two Bell's Chief sows, four by Beat Me If You Can, one by Imp's Lad, two gilts by Red Advance, three by Alfred's Col., all bred and safe to Col. Scion. 12 fine gilts by Col. Scion—all bred to Crimson Scion. This will be a Colonel-Ohio Chief-Crimson Wonder sale, and these three families have won more first and champion prizes than all other Durocs combined at the leading state fairs in the corn belt in the last three years. Now I ask the breeders to come to my sale. I have the breeding that is very popular and the fieldmen tell me I have extra good hogs. Come and see for yourself.

My catalogs are ready. Send for one, read it, then come or send a bid. I guarantee a good offering. O. W. Devine will represent Kansas Farmer. Bids sent to him will be handled with care.

**G. C. NORMAN, WINFIELD, KANSAS.**

AUCTIONEER—COL. JOHN D. SNYDER, WINFIELD, KAN.

## COTTINGHAM & SONS'

### Percheron Sale

At McPherson, Kansas,

**Thursday, February 2 1911**

25 HEAD of Percheron mares and stallions, including 20 head of imported and American mares, 5 registered stallions. A number of matched teams, blacks and grays. All bred to a ton stallion and all registered in the Percheron Society of America. Some of them first prize winners. We will also sell 40 head of grade mares, geldings and mules. Send for a catalog and arrange to attend our sale. Catalogs are ready to mail out. Remember our date and come to our fifteenth annual sale **TUESDAY, FEBRUARY 2, 1911.**

## COTTINGHAM & SONS

McPherson, Kansas.

### PERCHERONS, BELGIANS AND GERMAN COACHERS

First importation arrived October 22. The best we could buy in the old country. Our barns are full of Stallions and Mares from 1 to 6 years old with plenty of size and quality. We have 2-year-old stallions weighing a ton or better, and are pricing them at figures that will interest every one contemplating the purchase of stallions or mares. YOU PAY NO AUCTIONEERS OR HORSE COMMISSIONER when you buy from us. Barns located so we can show horses any time between trains. A 60 PER CENT GUARANTEE GIVEN WITH EVERY HORSE.

**SKOOG, REED & DE COW,**  
Holdredge, Nebraska.



## ROBISON'S PERCHERONS

For sale now, 100 head of stallions, mares and colts, of all ages. All stock recorded in Percheron Society of America.

ADDRESS BOX C,  
**J. C. ROBISON, Towanda, Kan.**

### VALLEY SPRINGS PERCHERONS

IMPORTED AND HOME-BRED STALLIONS AND MARES.

The big, rugged kind, with heavy bones, fine style and good action. No better blood lines in America. Black Kentucky Jacks and Jennets, with size and quality.

**O. P. HENDERSHOT,**

Hebron, Neb.



# WILEY & SONS' Great Percheron Sale!

**SALE TUESDAY AND WEDNESDAY  
JANUARY 24 AND 25, 1911**

## 100 High-Class Drafters

...INCLUDING...

**Registered and Imported Stallions and Mares**

**Registered Belgians      Registered Shires  
Registered French Draft  
And a Few High-Grade Mares and Geldings**

### THE FIRST DAY'S SALE

Includes all the Imported and Registered Percheron Stallions and Mares, as well as a few Registered Belgians, Shires and French Draft. A dozen prime Stallions and nearly 40 Mares. The Imported Mares now on the way have been bred to the leading stallions of Europe. All other Mares of suitable age are safe in foal and showing it, to our imported herd horse.

### OUR ENTIRE SHOW HERD

As exhibited at the Kansas State Fair, Topeka, with the exception of one animal, will go in this sale—18 head, including five Stallions, 2 to 4 years old, and 13 Mares and Fillies, from yearlings to 5 years.

**THE SECOND DAY.** You will find something in this offering that will suit you if you want a good team of geldings, work mules or grade brood mares. You better buy early and avoid the rush and higher prices when the spring demand begins.



**Don't Miss the First Day** THE IMPORTED PERCHERONS ALL SELL THEN, AND THE SALE BEGINS AT 10 O'CLOCK A. M.

Remember, the Sale will  
be held at . . . . .

**Strong City, Kans.,**

On Main line of the Santa  
Fe Ry. All Trains Stop

**...THIS WILL BE A HORSE SHOW WORTH GOING MILES TO SEE...**

You are welcome whether you buy or not. Be our guests Sale Day. Remember the dates and arrange to attend. Write for Catalogs.

# L. R. WILEY & SONS

Auctioneers: R. L. HARRIMAN, JAS. W. SPARKS,  
C. CROUCH and A. B. WOOD.

**Elmdale, Kansas**





**CHAS. KNIGHT'S  
DISPERSION**



## SHORT HORN SALE

**WEDNESDAY, JAN. 18th.**

**OKETO, KANSAS**

**At Farm, Three Miles From Town**

35 head, representing some of the best families such as Young Marys, Caroline Goodness, etc., 25 good, useful young cows and heifers including several daughters of the noted bull, Red Knight. Eleven of them have calves at foot by the herd bull, Baby Conqueror 288373 by The Conqueror, one of the noted Scotch bulls used with great success in the Tebo Lawn herd. All of the females old enough to breed will be in calf to Baby Conqueror.

9 blocky red bulls in age from 9 to 24 months, also the herd bull, Baby Conqueror. The older heifers and three bulls were sired by Kansas Boy 265224, one of the best sons of Secret Prince, first prize bull at Nebraska State Fair. The Conqueror was sweepstakes bull at the same fair. The offering as a whole is a good, useful one and we believe will be appreciated by those that attend. All of the young stuff is by Baby Conqueror and very promising. Catalogs ready to send upon application. Free transportation from Oketo, Kan., or Barnston, Neb.

AUCTIONEERS—F. E. KINNEY, BOSS WRIGHT, FIELDMAN, JESSE JOHNSON.

**CHAS. D. KNIGHT, Oketo, Kansas**

## JOHNSTON'S POLAND CHINA BRED SOW SALE

**At Farm Near Southmound, Kansas**

**JAN. 20 1911**

44 head, consisting of the queens of the breed, such sows as Beauties Only by Hutch, dam Expansion Beauty bred to Blain's Wonder; Pansy Pan by Expansion, dam Orphan Girl—Orphan Girl sold for \$360 in the Dawson sale, going to Thompson Bros.' herd; Pansy Pan is safe to Blain's Wonder; Cosette by Blain's Wonder, bred to Orphan Chief; Bx by Mammoth Ex, dam Bonnie B. and the best Blain's Wonder sow on the farm, sold bred to Orphan Chief; Lady May by Chief Victor, dam Lady Clover, bred to Orphan Chief; May Lady by Blain's Wonder, dam Logan Beauty, the largest sow in Kansas, bred to Orphan Chief; Maud G. by Michael's Wonder, sold bred to Standard O. K.; Sterling Lady by Sterling Jumbo, dam M. B.'s Lady Mate 3d, bred to Erie's Prospect. Many other choice sows and gilts of the large, smooth type, the best lot I ever offered. Send for my catalog early and come to my sale and look at my entire herd and herd boars, then you will be the judge. If you cannot come bids sent to O. W. Devine, representing Kansas Farmer will be honestly handled.

AUCTIONEERS—COL. FRANK J. ZAUN, COL. H. HOHENSTEIN.

**Roy Johnston, Southmound, Kansas**



IMPORTERS AND BREEDERS.

**Percherons, Shires and Belgians**

75—HEAD MARES AND STALLIONS—75

We won more prizes at Kansas State Fair than any one exhibitor, which proves the quality of our horses. Just one word with you, Mr. Buyer: If you will come and inspect our horses and if you don't say that we have as good a bunch as you ever inspected, and our prices the lowest, considering quality, we will be glad to pay your expenses. Write or come and see us before buying elsewhere, for we will save you money.

**L. R. WILEY & SONS  
ELMDALE, CHASE CO., KANSAS.**

## LOBAUGH'S

**Big Type Poland China  
Bred Sow Sale**

**FRIDAY, JAN. 27**

**Washington, Kans.**

40 head in all, 10 tried sows and 30 selected gilts of early spring farrow, all bred for first of February, March and April farrow. The tried sows to Kansas Ex., the greatest breeding son of the great Expansive. The gilts to L's Mastiff by King Mastiff, first prize senior yearling at Nebraska State Fair 1909. The tried sows are daughters of the 1000 lb. boar, Chief, a Peter Mouw bred boar. More than two-thirds of the gilts were sired by Kansas Ex. They are very large, smooth, good, wide heads and every one of them sure to make a first class brood sow. A few are by L's Hadley by King's Hadley, sweepstakes boar at Nebraska State Fair last year. Write for catalogue.

Sale will be held in heated pavilion and every one made comfortable.  
AUCTIONEER—JAS. T. McCULLOCH.

**A. C. Lobaugh,  
Washington, Kans.**

JESSE JOHNSON, FIELDMAN FOR KANSAS FARMER. SEND HIM BIDS.

## ROL. STUMP'S BIG TYPE POLAND CHINA BRED SOW SALE

**Thurs., Jan. 26**

**At farm near Blue Rapids, Kansas**

**50 HEAD 50 HEAD**

**15 Tried Sows 23 Fall Yearlings 12 Spring Gilts**

All bred for last of February, March and April farrow to the big boars, Kansas King by Graniteer by Expansion, Capt. Hutch by Captain Hutch, Faultless Chief by Fulton's Chief, and Colossus Boy by Colossus.

TRIED SOWS are daughters of Big Hutch, Capt. Hutch, Kansas King, U. S. Jones and other big hogs.

FALL GILTS are strictly tops and sired by Kansas King and Capt. Hutch.

SPRING GILTS—growthy daughters of Kansas King, Capt. Hutch and Colossus.

ATTRACTIVE—Beatrice 6th by Big Hutch and out of Beatrice by Expansion See, Betty by Kansas King, dam by Old Faultless Overchief.

One of the best offerings of the season; must be seen to be appreciated. Write for catalog and if unable to be present send sealed bids to Jesse Johnson of this paper in my care.

AUCTIONEER—COL. JAS. T. McCULLOCH.

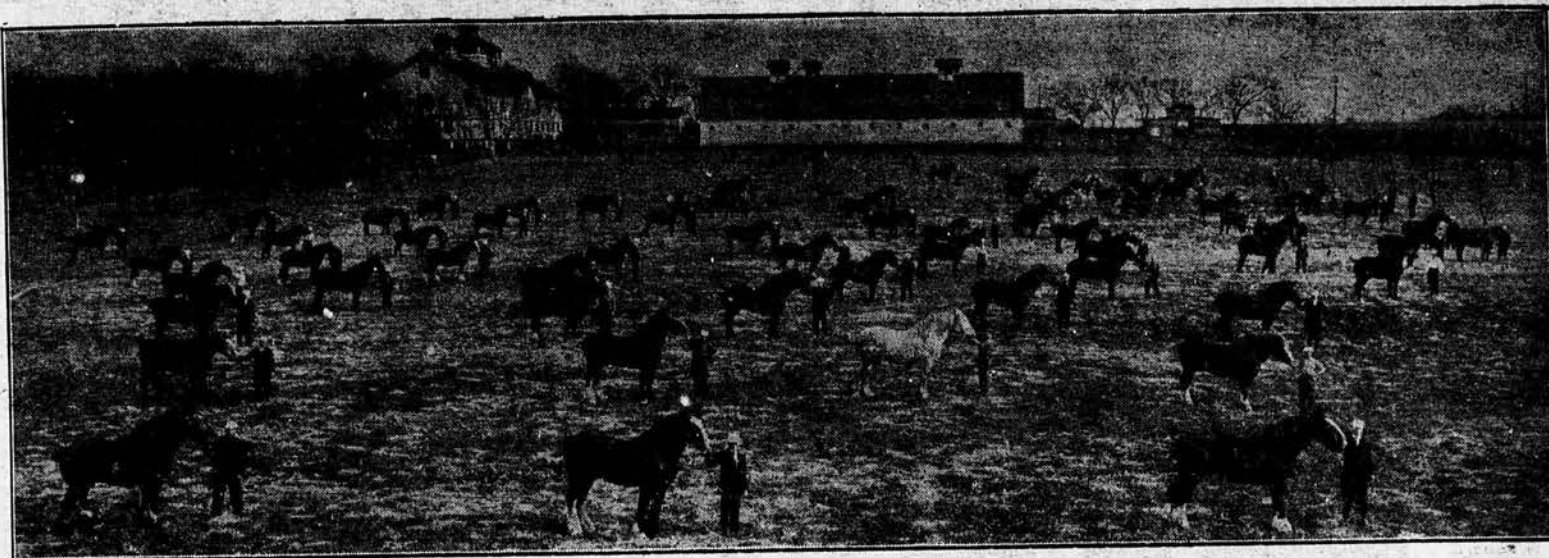
**W. R. STUMP,  
Blue Rapids, Kansas**



# 75 - IMPORTED STALLIONS AND MARES - 75

STALLIONS

MARES



We claim that we have the goods as we advertise.

The above cut shows you a view of our importing establishment together with 69 head of horses. If you are thinking of buying an IMPORTED STALLION or some IMPORTED MARES of either the PERCHERON or ENGLISH SHIRE breeds, we feel assured that we can fit you out to your entire satisfaction. Never before have we been in a position to show to a prospective purchaser such a grand lot of stallions and mares. They range in age from 2 to 5 years, the heavy boned, drafty type so much in demand at the present time. We do not have a lot of left-over stuff, but all our animals were imported early this fall.

If you are intending to purchase a stallion or some mares, call and inspect our horses. We invite inspection, as we know they cannot help but please the most critical buyer. Our prices are low considering the quality and breeding of our offering. Our guarantee is a straight 60 per cent breeding warranty without any clauses attached to same. We have importations arriving every 60 days from now until next June, which always insures a prospective buyer a good string of horses from which to make his selection. GET OUR CATALOG. It is free for the asking.

**WATSON, WOODS BROS. & KELLY COMPANY, Lincoln, Nebraska**



## LAFAYETTE COUNTY JACK FARM

ONE MILE FROM TOWN.

**50 JACKS**  
**65 JENNETS**

Two to five years old, my own breeding, for sale at private treaty.  
Safe in foal to Dr. McCord. My prices will move them.

In my March sale Jacks sold up to \$1,625. In my present offering are many that are better. I cordially invite Jack buyers to come and see this offering or write me for further particulars and prices.

**W. J. FINLEY, Higginsville, Mo.**

## PERCHERON IMPORTING CO. AT THE FOUR BEST SHOWS IN THE WEST WE WON:

12 times champion stallion any age. 29 times first in stallion classes.  
6 times champion group of five stallions.  
Champion Percheron stallion at Inter-State Fairs.  
Champion Shire Kansas and Missouri State and Missouri State Fair.  
Champion Belgian Kansas, Missouri and American Royal.  
All our horses are imported. We sell as low as anyone on earth, quality considered. Our guarantee and insurance are the best.  
**PERCHERON IMPORTING CO., South St. Joseph, Mo.**

## LAKEWOOD FARM

The Greatest Breeding Establishment in the World

Our Percheron winnings at the recent Chicago International, which is conceded to have been the greatest Percheron Show ever held in the world, has never been equalled before.

At this great show, we won:

**CHAMPION STALLION**, showing four of his get (CALYPSO)  
**CHAMPION AMERICAN BRED STALLION**  
**RESERVE CHAMPION AMERICAN BRED STALLION**  
**CHAMPION MARE**  
**CHAMPION AMERICAN BRED MARE**

Also TWENTY-FIVE other prizes. All of these CHAMPIONS were sired by the world's famous CALYPSO.

**LAKEWOOD FARM IS HEADQUARTERS FOR THE BEST**, and our prices are reasonable. Send for illustrated catalog.

**H. G. McMILLAN & SONS, Props.**

**Rock Rapids, Iowa**

## AVONDALE STUD FARM - CLYDESDALES

LARGEST IMPORTER AND BREEDER OF CLYDESDALES IN U. S.

Our winnings at the State Fair, including the Grand Champion Stallion of the International, 1910, is our best advertisement. Those wanting stallions or mares should write for catalog or visit the farm. To make room for other importations in February, we will make a special discount for next 30 days. We are 40 miles west of Peoria on the C., R. I. & P. Ry.  
**JOHN LEITCH, Proprietor, La Fayette, Ill.**



## PERCHERON MARES

Weanlings to 4 years old in matched teams, including the Kansas State Fair and American Royal champions, all registered or can be registered in Percheron Society of America. Good clean lot of heavy bone mares and bred to the champion stallion of Kansas State Fair at Hutchinson, 1910. Come and see me.

**F. D. WEBB, Sterling, Kan.**

## HOMEWOOD STOCK FARM

IMPORTERS AND BREEDERS OF

**Percheron Belgian Shire Stallions and Mares**

NOTICE TO PROSPECTIVE BUYERS:

For the benefit and convenience of our Western trade, we have established a permanent branch barn at Abilene. Prospective buyers are cordially invited to inspect our stock here, and if you don't find just what you are looking for, we will be pleased to accompany you to the home barn at Homewood, Ill., where we can show you 100 head of big, drafty Stallions and Mares with plenty of bone and quality. Every horse guaranteed sound and a satisfactory breeder. Prospective buyers should see this stock before buying elsewhere. We have a car load shipped direct from the International. Write us your wants, or better still, come and see us. Abilene is on the Rock Island, Santa Fe and U. P. railroads.

Barns 2 Blocks  
North U. P. Depot.

**S. METZ & SONS ABILENE, KANSAS**



## W. H. RICHARDS, Importer

PERCHERON AND BELGIAN HORSES.

A car load of extra good 2-year-old and 3-year-old stallions recently arrived. Come and see these magnificent horses before you buy a stallion. I will make you some eye-opener prices just now. Barns only four blocks from A., T. & S. F. depot.

**EMPORIA, KAN. EASY TO GET THERE.**

## Riverside Stock Farm

Importer and Breeder

FOR SALE—12 head of registered Percheron stallions from 2 to 5 years old, 8 head of registered mares and fillies; the good bone kind; also two large standard bred stallions; also a few good big jacks. All this stock will be closed out at a low price and must be sold before March 1st. All pedigrees and breeding guaranteed. Come and see them and get your choice.

**O. L. Thisler,**

**Chapman, Kansas**

## Percheron Stallions

I have as fine a bunch of stallions as you will find. I have the ton size, and 1,700 to 1,800 pound two year olds, with worlds of bone and great action. My prices are right and my horses are right.

Yours for home grown Percherons,

**J. W. BARNHART, Butler, Mo.**

## DUNHAMS' PERCHERONS

For forty-six years renowned as the best of the breed. Six large importations since February 1, 1910 (the last arrived October 12th), insure fine selection, as each animal was individually selected for size, bone quality and excellence. If you want choice stallions or mares, write for catalogue, illustrated from life.

**W. S., J. B. & B. DUNHAM**  
**WAYNE, ILL.**



**Percherons**  
**Belgians**  
**and Shires**

Also Shetland Ponies. Will have a good importation of stallions of the breeds mentioned Jan. 1. Now offering special bargains in mares to make room. Call on or write **Joseph M. Nolan, Paola, Kan.**, 40 miles south of K. C. Please mention the Kansas Farmer.

## REGISTERED HORSES

**O. K. BARNES, SAVANNAH, MO.,**  
**W. L. Price, Proprietor.**  
Dealer in registered horses. Three very fine stallions to SELL AT ONCE. Also the best stud colt in the state. Write for description of stock. I can suit you.

## PERCHERON HORSES, HOLSTEIN-FRIESIAN CATTLE.

Up-to-date Poland China hogs. Write your wants.  
**H. N. HOLDEMAN, Meade, Kansas.**

## Registered SHETLAND PONIES FOR SALE

The Pure Shetland is the Child's Pony  
Correspondence Solicited

**N. E. STUCKER OTTAWA, KAN.**



# A 2-MONTH PROVING TEST

The Separator  
Without an "If"

Produces More  
Cream with Less  
Labor Than Any  
Other Separator

Send for Full  
Particulars  
of our Great  
Two-Month  
Proving Test  
Offer and the  
wonderful  
Vortespooon  
Skimming  
Device



Goes with the Perfect

# NATIONAL

Two full months on your farm and you make the test. Take the Perfect National to your own place—make this great proving test for two months on the milk of your own cows. Prove to your own satisfaction in your own way on your own place that you can get more cream with less labor and care with a Perfect National with our one-piece Vortespooon Skimming Device than with any other cream separator on earth.

You not only get **more** cream but you get more **perfect** cream, the result of the marvelous Vortespooon Skimming Device, the greatest achievement in modern cream separator manufacturing. You prove these amazing facts yourself. You make your own demonstration of the marvelous **one-piece Vortespooon** skimming principle. We give you two full months using the Perfect National twice a day to make this great unheard-of profit-making test. Two months to prove that the Perfect National deserves its high reputation among the most successful of the great dairymen of this country as the unrivaled separator—the best separator and the best **money-making** separator on earth. The separator with the unconditional guarantee. Send Free Coupon and get particulars.

## The Separator Without an "If"

The Perfect National has been brought to the highest state of perfection through twenty years of separator building. Only the wonderful Vortespooon Skimming Device (one piece) could give this perfection. Probably you already know what the National is doing for a neighbor or a friend. Ask any man who owns a National and he will tell you it is a machine which cannot be surpassed. The

reason is this: It was designed **originally** on the **right principle**—the principle of the Vortespooon One-Piece Skimming Device. **The Perfect National is the one separator without an "If."** A Perfect National never fails. It wins in tests against the best machines. We **welcome** the opportunity to put the Perfect National side by side with **any** others. We believe you cannot fail to see its great superiority. The president of the National Company has said: "If people only knew what I know about the National they would have no other machine." The reason for this proving test is to let you know what **he** knows. We want to show you that the National is the machine which comes up to expectations—meets your most exacting requirements. Send for all particulars of this sensational proving test free.

## Wonderful ONE-Piece Vortespooon Skimming Device

Marvelous!  
Sensational!

One piece! Think of it! One single piece to do the skimming! To take off **all the cream**. Not a multiplicity of "discs," "wings," "floats" and "beaters" to chop up and crush the cream globules. Not an armful of pieces to clean, but only **ONE!** Not a great number of pieces to lose and break and get out of alignment. **One Piece does the work** in a Perfect National. You can put your hand and whole arm through this piece. One piece that can't break or get out of order. One piece as true as a die. One piece that skims today and tomorrow and for years to come. The skimming device that any man can see is the one sensible ahead-of-the-world skimming principle. The Vortespooon One-Piece Skimming Device is **the crowning triumph of separator invention**. We back this up with a two-month proving test and with an absolute manufacturer's guarantee. Don't buy a cream separator until you get all the particulars about this great offer and learn the advantages of the **marvelous Vortespooon principle**. Send for particulars of this great offer today and read our unlimited guarantee.



The Wonderful  
Vortespooon

The Vortespooon Skimming Device is made of German Nickel Steel, the fine textured tempered steel that lasts forever. The steel that is used in the most particular parts of the great modern battleships. It can't break or bend or give way or cause trouble or wear out. You will be astonished when you see what a marvelous device it is—in keeping with every part of the Perfect National.

**FREE  
COUPON**

HASTINGS INDUSTRIAL CO.  
Dept. 3981, Marine Bldg., Chicago

GENTLEMEN:  
Without any obligations whatever on me you may send me your two-month Perfect National Proving Test Offer with all particulars. Also an explanation of your marvelous One-Piece Vortespooon Skimming Device together with your Free Catalog and Cream Books. I am sending the name of the hardware or implement dealer where I usually trade.

My Name.....

My Address.....

Dealer's Name.....

Dealer's Address.....

**Send This FREE Coupon and Get Our 2-Month PROVING TEST Offer!**

Don't wait. Send for this great offer today. We want you to get the benefit of this offer. If you are using some other separator you can quickly prove to your own satisfaction that it will pay you to put in a Perfect National now. The saving in cream, in quality and in care and labor and repairs will more than pay you to do it. Prove this yourself on this great offer we make to you now. Send the Free Coupon today and we will mail all the particulars to you prepaid. Send your own name and the name of your dealer—a hardware or implement dealer. We couldn't make this offer to you unless we knew through the proof that has come to us during many years that the Vortespooon One-Piece Skimming Device (the heart of the separator) makes the Perfect National Separator an absolutely perfect machine. We make **this valuable proving test offer** to you now so that you may find out for yourself. Send the coupon today and get free Cream Book and our free offer.

**Hastings Industrial Company**

Dept. 3981, Marine Bldg., CHICAGO, ILL.