

KANSAS FARMER

FOR THE IMPROVEMENT

OF THE FARM AND HOME

Volume 48, Number 24,

TOPEKA, KANSAS, JUNE 4, 1910

Established 1863. \$1. a Year.

Agriculture In the Common Schools

Vacation Farming a Necessity By Honorable E. T. Fairchild

The most general and significant educational movement of this age is the movement toward industrial education. It is not confined to any state or to any section; it is actually world wide in its sweep. Industrial training is a comprehensive term. It includes the training given in trade schools, factory schools, technical schools, continuation schools and agricultural schools.

An insistent demand comes from all quarters that our schools shall include in the training offered, courses of study that shall have as their aim the fitting of the pupil for his environment in life. Vocational subjects, it is urged, should find a larger place in our system of education. This demand comes not alone from the public in general—the laity—but it proceeds from eminent educators as well. Fully one-fourth of the time of the last national educational association was given over to a discussion of the "vocational" in our public schools.

It was in answer to the charge that the curriculum of the high schools in particular is for the special benefit of the few and that the eighty per cent or more who either fail to complete the course or get no formal training beyond the high schools is deprived in some degree of that knowledge that is of most worth to them. This same association stated in its resolutions that a free democracy cannot long continue without a system of state schools, that these free schools must advance along the lines of educational democracy and provide equal educational opportunities for all, that they must be democratic in their purpose and give a practical preparation, not only for professional, but also for commercial and industrial life. These resolutions embody the demand made upon the public schools today. It is a clear recognition of changed conditions and of twentieth century problems.

In Kansas the response to this newer and broader conception of the function of the public school is taking the form of manual training, domestic science, business training, normal training and elementary agriculture.

This new body of knowledge relating to the manual industries and to home making is coming forward with great momentum, demanding a place beside those traditional school subjects which until recently occupied the student's whole time. Strange to relate, however, those schools in which the great body of our young people are trained are the last to welcome these changes. Nevertheless this new knowledge is slowly but surely gaining a foothold in our elementary and secondary schools.

For example, agriculture is being taught in Kansas in ten county high schools, thirty-three city schools and, with more or less formality, in rural schools in sixty-seven of the one hundred five counties. In the counties of Lincoln, Cherokee, Sumner, Cloud and Smith, elementary agriculture is taught in practically all of the rural schools, while in Neosho, Rooks, Sherman and Saline it forms a part of the work in from one-third to one-half of the schools. In Sumner county seven high schools include agriculture in the courses offered. Neosho has six and Smith four high schools offering elementary agriculture.

In a state almost wholly agricultural this does not seem large, but when it is recalled that the movement is practically less than four years old much encouragement is found. It is an evidence that instruction in agriculture, in the industries and in home economics is to come down into the secondary and even into the elementary schools. Happily there is reason to believe that the simpler elements of these new subjects will gain a place in our reading books, arithmetics and geographies. It is to be hoped that they will be developed in an easy and progressive form that they may come naturally and have high educational value. Surely much in a sane and rational way can be accomplished in the seventh and eighth grades.

That these subjects will gain a place in all high schools seems inevitable. And why not? Sixty per cent of our boys and girls receive their education in the country. Agriculture

is the one fundamental industry. To learn the how as well as their fathers have learned it is important; but this alone is not enough; to learn the why is the imperative need of today.

The introduction of living topics means new life and new interest in the school. The dignifying of farm life and the development of social efficiency in the people who care for the growing of things on the fields and trees is the greatest uplift that can come to this country. It may be urged that there are few teachers capable of doing this work and that there is not time for the development of new subjects, that the curriculum is already overcrowded. As to the first objection, it is true that few of our present teachers have any technical preparation for any of the industrial subjects and it is also true that they may have not had even the experience of life on a farm. As to the formal training, this is a problem that the high school, the agricultural col-

lege and the other institutions must help to solve. If suitable courses are offered by the last named schools it will not be long until teachers properly qualified to do the work will be supplied. During the present year, of one hundred and thirty-seven state normal schools, eighty-seven are giving some instruction in agriculture.

But the introduction of agriculture should be gradual and adapted to conditions. As to the elementary school and the objection of an already overcrowded program, it is sufficient to point out that this work need not be formal, or for the present, at least be given a regular place on the program. It can readily be made the basis of opening exercises, or a short period two or three times a week can be set aside for this work. It can be taught as easily as any other subject. Much apparatus is not necessary, nor is a school garden needed at every school any more than the Alps are needed to develop the idea of a glacier. Simple experiments in the water holding properties of different soils, a study of the characteristics of the common plants of the farm, test of the fertility of seeds, selection of good types, the study of the care and the quality of farm animals, and simple tests of milk are all worth while. Such study will offer as much true culture as an intimate knowledge of the passive voice in grammar or the subject of foreign exchange in arithmetic.

It is upon this theory that a work on elementary agriculture was chosen as one of the reading circle books to be read and studied by teachers for the year 1910-11.

It is hoped and believed that the use of this excellent and suggestive book will result in an added interest in agriculture and that many teachers will be led to undertake such instruction in their schools.

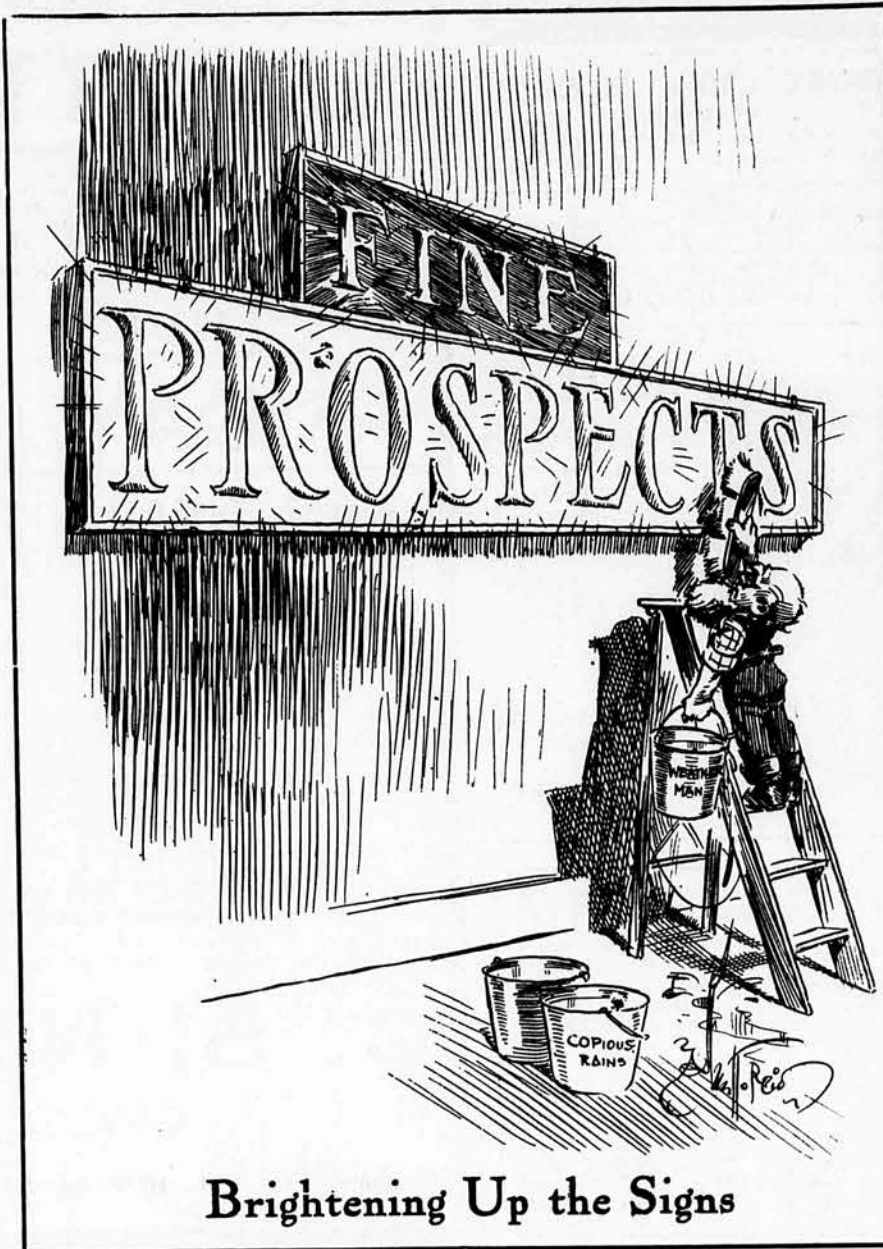
Kansas spent on her public schools in 1909, \$8,100,000. This is an increase of nearly one hundred per cent over ten years ago. The average daily attendance in ten years has increased 28,000 although there has been an increase of but 2,000 in the school population in that time.

Here is abundant evidence of the increasing faith of the people in the value of an education. A splendid work is being done by our schools. But they are to continue to improve.

The demand for vocational training is nation-wide if not world-wide, and it is a satisfaction to know that Kansas is a leader in this most important movement.

It is important to know, too, that there is now before Congress a bill providing for vocational education under Governmental auspices. This bill provides for the appropriation of \$4,000,000 annually for the maintenance of instruction in agriculture and home economics in state distributed agricultural schools of secondary grade, and the appropriation of \$1,000,000 annually for the maintenance of branch experiment stations to be located at these schools. There is further provision of \$5,000,000 annually for city high schools, for the maintenance of instruction in trade and industries, home economics, and agriculture in the public schools of secondary grades. The funds so appropriated do not become available

(Continued on Page 5)



Brightening Up the Signs

Mitchell County Breeders' Association

DR. C. B. KERN, President. J. M. RODGERS, Secretary.
Nothing but first class animals offered for sale for breeding purposes.
Mitchell County Fair, Sept. 28, 29, 30 and October 1, 1910.
Premium List Ready June 1.
W. S. GABEL, Secretary. E. C. LOGAN, President.

SHORTHORN CATTLE.

THE PURE SCOTCH BULL HIGH-
land Laddy by Brave Knight by Gal-
lant Knight heads our herd. Some fine
young bulls developed for this fall's use.
A young herd of real merit. **BRINEY**
& **BRINEY**, Beloit, Kan.

LOCUST GROVE HERD SHORTHORNS.
Up-to-date breeding with good quality.
ELMER C. CREITZ,
Route 7, Beloit, Kan.

BOOKDELL STOCK FARM.
Shorthorn cattle. Poland China hogs.
Silver Laced Wyandottes.
E. E. BOOKER & SON,
Beloit, Kansas.

FOR SALE—A few young Shorthorn
cows and some young bulls ready for
service. Best of breeding. Write for
information and prices. **VINTON A.**
PLYMAT, Barnard, Kan.

HERD BULL, Royal Goods by Select
Goods by Choice Goods for sale; also
young bulls. Herd headed by Dread-
naught. **MRALL BROS.**, Cawker City,
Kan.

HEREFORD CATTLE.

W. B. & J. M. RODGERS, Beloit, Kan.
Breeders of Hereford Cattle and Berk-
shire Hogs. Quality before quantity.
Come and see us.

50 HEREFORD CATTLE, comprising
the H. B. Woodbury herd. Some famous
cows in the herd; 8 young bulls of
choice serviceable age for sale, four miles from
Tipton, Kan., 8 miles from Cawker City.
JOHN SCHMIDT & SONS, Tipton, Kan.

100 HEAD OF HEREFORDS, the
home of Caster 259475, the winner in
every big show he ever was in. A few
choice young heifers and cows for sale.
F. L. BROWN & CO., Sylvan Grove, Kan.

PERCHERON HORSES.

REGISTERED PERCHERONS—The
home of Vidoue (Imp.) 40103, also the
brood mare Risette (Imp.) 51115. In-
spection invited. Farm adjoins town.
E. N. WOODBURY,
Cawker City, Kansas.

REGISTERED PERCHERON HORSES
in stud. Imported Rebelais 42529 by
Casque by Tehidus, who sired Callipso
and Casino. Visitors welcome.
C. J. JOHNSON, Solomon Rapids, Kan.

THE HOME OF JACQUE W. 42659 by
Tiatrey, dam imported Risette. Inspec-
tion of my Percherons invited.
RALPH G. MCKINNIE,
Glen Elder, Kansas.

COLEDALE STOCK FARM, the home
of three first prize winners at the In-
ternational. Nothing but the best in this
herd. Come and see us. **FRANK A.**
COLE, Barnard, Kan.

GRANITE CREEK STOCK FARM.
Percheron and Standard bred horses.
Make your wants known to
M. A. SMITH, Supt.,
Cawker City, Kansas.

COACH HORSES.

LAWNDALE STOCK FARM, Olden-
burg German Coach horses. Interna-
tional prize winning stock. A tried sta-
tion for sale. Inspection invited. **JO-**
SEPH WEAR & SON, Barnard, Kan.

POLAND CHINAS.

LEBAN CREEK STOCK FARM—Po-
land Chinas, large herd to select from,
fall pigs of both sexes for sale now. Not
related. Can also spare a few bred
sows. **E. C. LOGAN**, Beloit, Kan.

EUREKA HERD OF PURE BRED
Poland Chinas and Duroc Jerseys. Bred
gilts and sows all sold, but have a few
fall boars and gilts of both breeds.
Prices right. **W. H. SALES**, Simpson,
Kansas.

DUROC JERSEYS.

GOLDEN RULE STOCK FARM—
Choice bred sows and gilts for sale at
prices to move them, best of breeding
and individuality. Satisfaction or no
sale. **LEON CARTER**, Asherville, Kan.

GOLDEN RULE STOCK FARM—The
best in Duroc-Jersey swine. Orders
booked now for early spring pigs of
either sex. **PEARL H. PAGETT**, Be-
loft, Kan.

HAMPSHIRE.

HAMPSHIRE HOGS. Always have
stock for sale. Write for prices. **A. B.**
DOYLE, Beloit, Kan., Rural Route 1.

O. I. C. SWINE.

Tracing to the famous Kerr and Big
Mary families. No more females to offer.
A few choice bred and open gilts for
sale. **T. C. WRENCH**, Beloit, Kan.

AUCTIONEERS.

COL. H. H. VANAMBURG
General and Live Stock Auctioneer.
PHONE 943, BELOIT, KAN.

COL. F. L. SMITH
General and Live Stock Auctioneer.
PHONE 434, BELOIT, KAN.

BISMARCK GROVE SHETLANDS

PURE BRED
BOTH SPOTTED AND SOLID COLORS
JOHN S. TOUGH, Lawrence, Kan.

SHETLAND PONIES FOR SALE—20 im-
ported stallions and few bred mares. We
have recently returned from Scotland with
the finest importation of ponies ever
brought to Nebraska. Write for private sale
catalog. **CLARKE BROS.**, Auburn, Neb.

STALLION B REGAINS

Imported and Home
Bred Belgian
Stallions.

Wolf & Cooper are offer-
ing reduced prices
on choice Belgian sta-
llions for next 20 days.
All are good individ-
uals and sold with an
absolute guarantee. 2
of these horses won
at the Belgian Horse
Show at Brussels,
Belgian. Call and see
DAVID COOPER,
Manager,
Freeport, Harper Co.,
Kansas.

ROSS FARM

A few Percheron stallions and 16
head of registered fillies in matched
teams, two to four years old. Imported
and American bred. They are now be-
ing bred to a 2,200 pound imported sta-
llion that was a winner at the Interna-
tional last year.

Have 30 head of pure Scotch cows
and heifers, all reds, and bred to a son
of New Goods by Choice Goods. Have
sold all my pasture land and must sell
my cattle. I am pricing them very
reasonable. Come and see me.

GEO. B. ROSS
Alden, Rice Co. Kansas

BARON MARR 286261

One of the best bred and best breeding sons of the famous \$5,000 cham-
pion bull, Cumberland's Last, five younger bulls and thirty-five
very choice cows and heifers will go in my

SHORTHORN SALE SATURDAY, JUNE 11

My last offering averaged nearly \$150 and was considered one of
the best of that year, but here is an offering that in my judgment, is
much more valuable.

Baron Marr, a Marr Roan Lady of extreme strength of breeding,
would alone make it noteworthy. He is the most perfectly fleshed bull
I ever owned; a beautiful roan, like his half brother, King Cumber-
land, and the calves are in the herd to show that he breeds his excel-
lence.

Nearly three-fourths of the offering is made up of pure Scotch cat-
tle, of the breeding which has given Shorthorns in the past decade,
an unprecedented lead with cattle growers of this country. I espe-
cially ask attention to this feature of my catalog.

Another feature which I believe will meet the approval of many
new, as well as older breeders, this year, is the number of young things
with the right quality which have been brought along in shape to fit for
the fall shows. Among these is my first Baron Marr heifer, a roan
junior yearling out of imported dam. She was calved in January, 1909.

Further particulars in the catalog and later advertising. I espe-
cially ask that everybody send for catalog and come to my sale, men-
tioning the Kansas Farmer.

H. E. HAYES, OLATHE, KS.

Sale on farm joining town; twenty miles from Kansas City

C. S. NEVIUS' SHORTHORN SALE

CHILES, KANSAS
FRIDAY, JUNE 10

45 - HEAD HIGH-CLASS - 45
SHORTHORNS
8 BULLS - 37 FEMALES

The bulls include a choice roan, out of Imp. Pavonia, by Blythe Con-
queror. A red Butterfly bull by Gallant Knight—a herd bull. Another
extra Butterfly by Captain Archer; also a junior yearling show bull by
Prince Pavonia.

15 choice 2-year-old heifers, the balance young cows, all bred and
well along in calf, 30 are bred to the show bull, SEARCHLIGHT. A
large portion of this offering SCOTCH.

Write for catalog. Don't fail to attend this sale.

C. S. NEVIUS

CHILES, KAN.

Auctioneers—R. L. Harriman, John D. Snyder.

Artificial MARE IMPREGNATORS

We GUARANTEE you can get from 2 to 6 mares in
a from one service of stallion or jack. Increase the
fits from your breeding stables by using these Im-
pregnators. No experience necessary to use them
successfully. Prices, \$3.00 to \$5.00 each prepaid.
Popular SAFETY IMPREGNATING OUTFIT, especially
recommended for impregnating so-called barren and
regular breeding mares, \$7.50 prepaid.
Write for CATALOGUE which illustrates and de-
scribes our Impregnating Devices, Breeding Hobbles,
Bullion Bridles, Shields, Supports, Service Books, Etc.
ITTENDEN & CO., Dept. 32, Cleveland, Ohio

KENDALL'S SPAIN CURE

Never failing cure for Spavin,
Curb, Splint, Ringbone, all
lamenesses. Also a great fam-
ily liniment. \$1 a Bottle; 6
for \$5. Ask druggists,
"Treatise on the Horse" free
at drug stores or address
Dr. R. J. KENDALL COMPANY
Enosburg Falls, Vt.

Don't Have a Blind One

BOTH
JOHN S. VISIO

Don't Absolute Cure for
"VI" Moon Blindness

(Ophthalmia), Cataract
and Conjunctivitis
in horses all suf-
fering from diseased eyes.

An Absolute cure for diseased eyes.

Moon trial will convince any horse owner that this
remedy absolutely cures defects of the eye, irre-
spective of the length of time the animal has been
(Ophthalmia). No matter how many doctors have tried
and failed, use "VISIO" under our GUARANTEE.

Shying money refunded if under directions it does not cure.
For from \$2.00 per bottle, postpaid on receipt of price.

A trial with Remedy Ass'n., 1951 Wabash Av., Chicago, Ill.

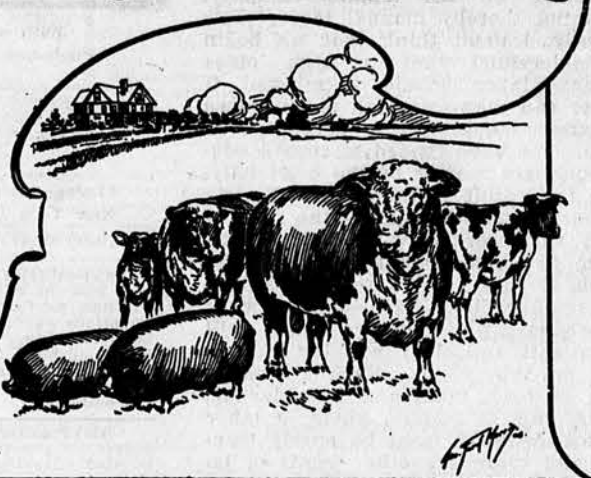
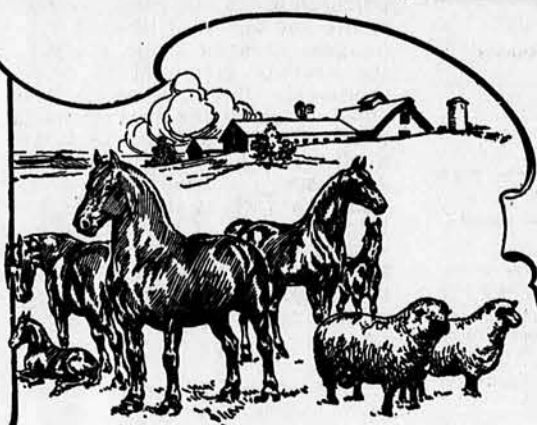
Money refunded if under directions it does not cure.
For from \$2.00 per bottle, postpaid on receipt of price.

ERCHERONS
REGISTERED.

choice lot of two-year-old fillies in
shed teams; will breed them to any of
herd stallions; will sell 10 or 15 year-
lings all registered and of the best blood.
Every animal sold sound.

J. W. BARNHART,
Atter, Mo.

KANSAS FARMER



Volume 48. Number 24.

TOPEKA, KANSAS, JUNE 4, 1910

Established 1863. \$1 a Year

Tomorrow of Electricity and Invention

By THOMAS A. EDISON

I thought that the possibilities of electrical development were exhausted. I should not give it a moment's consideration. Sometimes fathers come to me, or write to me, about their sons, and want to know if in view of the fact that so much of the field of work is already occupied by electricity, I would recommend it as a career. I am assumed by them that all the great electrical inventions have been made, and that nine or ten billion dollars is about all that electricity will do, in the way of investment. Well, I was beginning my own career when, I should ask no better field in which to work. The chances for big electrical inventions are much greater than before the telegraph, telephone, the electric light and electric motor were invented; and each of these things is far from perfect. We shall have easily \$50,000,000 of money in electrical service in 1925, and five times as many persons will then be employed in electricity as now, most of them in places for which we have not yet even a name. I often pick up my laboratory note books, of which I have hundreds, full of hints and suggestions and peeps into Nature, and realize how little we have actually done with electricity at work, let alone to mine its secret. Why, barely twenty years ago, there was no dynamo in the world capable of supplying power cheaply and efficiently to the incandescent lamp, and some of the keenest thinkers of the time doubted if the subdivision of the electric light was possible. Tyndall related in a public lecture, with a double shake of his head, that he would not have Mr. Edison should have the job himself. It is those that will not at the art in the next fifty years are to be envied. We poor groggers of the last fifty are like the struggling farmers among the bare New England rocks before the wide grain of the West were reached. They have been thin, without reapers and threshers to harvest them. We haven't gone very far, yet, beyond Franklin or Faraday.

Look at the simple chances of improvement in what devices are known. They are endless. About 100 incandescent carbon filament lamps are here every year, much the same essentials as a quarter of a century ago. We must break new ground. The art has gone back to the filaments bringing down to one the amount of current needed for the same quantity of light. That is a step. The next stage should be one-sixth, and, as Steinmetz says, it is still in the game, for many qualities render it superior to the old.

It is the same way with electric heating and cooking appliances, ingenious even now, and better than any other means; but ten years hence they will be superseded and in museums with bows and arrows

and the muzzle-loaders. As for the electric motor, it will not be perfectly utilized until everything we now make with our hands, and every mechanical motion, can be effected by throwing a switch. I am ashamed at the number of things around my house and shops that are done by animals—human beings, I mean—and ought to be done by a motor without any sense of fatigue or pain. Hereafter a motor must do all the chores.

Just the same remarks apply outdoors. For years past I have been trying to perfect a storage battery and have now rendered it entirely suitable to automobiles and other work. There is absolutely no reason why horses should be allowed within city limits, for between the gasoline and the electric car, no room is left for them. They are not needed. The cow and the pig have gone, and the horse is still more undesirable. A higher public ideal of health and cleanliness is working toward such banishment very swiftly; and then we shall have decent streets instead of stables made of strips of cobblestones bordered by sidewalks. The worst use of money is to make a fine thoroughfare and then turn it over to horses. Besides that, the change will put the humane societies out of business. Many people now charge their own batteries, because of lack of facilities; but I believe central stations will find in this work very soon the largest part of their load. The New York Edison Company or the Chicago Edison should have as much current going out for storage batteries in automobiles and trucks as for power motors; and it will be so some near day. A central station plant ought to be busy twenty-four hours. It doesn't have to sleep. So far, we electrical engineers have given our attention to two-thirds of the clock; and between 10 p. m. and 6 a. m. have practically put up out shutters, like a retail store. I am proposing to fill up that idle part of the clock.

Electricity is the only thing I know that has become any cheaper the last ten years, and such work as I have indicated, tending to its universal use from one common source, is all aimed consciously or insensibly, in this direction. I have been deeply impressed with the agitation and talk about the higher cost of living, and find my thoughts incessantly turning in that direction. Prices are staggering! Before I became a newsboy on the Grand Trunk Railroad, I raised and distributed market garden "sass" grown at the old home in Port Huron, Mich., and made many a dollar for my crude little experiments that my mother with great doubt and trepidation let me carry on. Thus with early experience as a grower and distributor, reinforced by fifty years of inventing and

manufacturing, I am convinced pretty firmly that a large part of our heightened expense of living comes from the cost of delivering small quantities to the "ultimate consumer."

My poor neighbors in Orange pay four or five times what I do for a ton of coal because they buy in such small quantities; and thus the burden falls on the wrong shoulders. This appeals to my selfishness as well as to my philanthropy, for the workingman hasn't much left to buy my phonograph or to see my moving pictures with, if all he makes is swallowed up in rent, clothing and food. I'll speak about rent a little later. In clothing we have got onto the universal "ready-made" basis which has vastly cheapened dress while ensuring a fastidious fit. When we come to food, let us note how far we have already gone in centralized production of the "package." I believe a family could live the year around without using anything but good "package" food. What is needed is to carry that a step further and devise automatic stores where the distributing cost is brought down to a minimum on every article handled. A few electro-magnets controlling chutes and hoppers, and the thing is done. I wonder the big five and ten-cent stores don't try the thing out, so that even a small package of coal or potatoes would cost the poor man relatively no more than if he took a carload. If I get the time I hope to produce a vending machine and store that will deliver specific quantities of supplies as paid for, on the spot.

Butchers' meat is one of the elements in high cost of living that this plan may not apply to readily; but it is amazing how far, even now, automatic machinery goes in carving up a carcass. We shall simply have to push those processes a little further. Thousands of motors are now in use running sausage machines, for example. Besides I am not particularly anxious to help people eat more meat. I would rather help them eat less. Meat eating like sleeping is a bad habit to indulge. The death rate and sickness of the population of the country could be reduced several per cent, in the ratio of abstinence from animal food.

One most important item in the modern high cost of living is rent. The electric railway has been an enormous factor for good in distributing people so as to lessen congestion and lower rents. But homes and rents are still much too high in price because of the cost of construction. I saw it coming months ago and hence went into the making of cement, the cheapest and most durable building material man has ever had. Wood will rot and burn, but a cement and iron structure seems to last forever. Look

at the old Roman baths. Their walls are as solid today as when built two thousand years ago. When I came to the close of some experiments on magnetic ore milling, on account of the opening up of the Mesaba Range—which will not last forever—the insurance companies canceled their policies because of the "moral hazard" on my idle buildings. I said to myself that I would construct buildings that did not have moral risk, and thus went into the Portland cement industry. I have already put up a great many large buildings of my own all of steel and concrete, avoiding this moral risk, and now I am rapidly developing the idea, in building with large iron molds, houses for poor plain folk, in which there is no moral risk at all, nothing whatever to burn, not even by lighting. When I get through the fire insurance companies can follow the humane societies, for the lack of material to work on.

My plans are very simple. Nothing that is fundamental and successful in dealing with the wants of humanity in the mass, must ever be complicated. I just mold a house instead of a brick. A complete set of my iron molds will cost about \$25,000, and the working plant \$15,000 more. As a unit plant, I will start six sets of molds, to keep the men busy and the machinery going. Not less than 144 houses can be built in a year with this equipment. A single house can be cast in six hours. With interest and depreciation of 10 per cent on a sum of say \$175,000, the plant charge against each house is less than \$125. I believe that the houses can be erected complete with plumbing and heating apparatus for \$1,200 each when erected on land underlaid with sand and gravel. Each house may be different in combination of design, color and other features; and endless variation of style is possible. The house I would give the workingman has a floor plan 25 by 30 feet, three stories high, with cellar, on a lot 40 by 60 feet, with six large living and sleeping rooms, airy halls, bath and every comfort. In cut stone such a house would cost \$30,000. These houses can be built in batches of hundreds and then the plant can be moved elsewhere. When built these communities of poured houses can become flowered towns with wide lawns and blooming beds, along the roadways. Rats and mice and Croton bugs will have as much show in them as in the steel safe of a bank. Cement neither breeds vermin nor harbors it. There is nothing in all this that is not common sense and easy of practice. With a fair profit these houses should rent at \$10 to \$12 per month. Who would not forsake the crowded apartment or tenement on such terms for roomy, substantial houses, fitted with modern conveniences, beautified with artistic decorations, with no outlay for insurance or repairs and with no dread of fire or fire bugs?



KANSAS FARMER

EDITORIAL



AS COL. ROOSEVELT SEES IT.

We have been fond, as a nation, of speaking of the dignity of labor, meaning thereby manual labor. Personally, I don't think that we begin to understand what a high place manual labor should take; and it never can take this high place unless it offers scope for the best type of man. We have tended to regard education as a matter of the head only, and the result is that a great many of our people, themselves the sons of men who worked with their hands, seem to think that they rise in the world if they get into a position where they do no hard, manual work whatever; where their hands will grow soft and their working clothes will be kept clean. Such a conception is both false and mischievous. There are, of course, kinds of labor where the work must be purely mental, and there are other kinds of labor where, under existing conditions, very little demand, indeed, is made upon the mind, though I am glad to say that I think the proportion of men engaged in this kind of work is diminishing. But in any healthy community, in any community with the great solid qualities which alone make a really great nation, the bulk of the people should do work which makes demands upon both the body and the mind. Progress cannot permanently consist in the abandonment of physical labor, but in the development of physical labor, so that it shall represent more and more the work of the trained mind and the trained body.

CONSIDER YOUR NEIGHBOR.

Those who own properties owe duties to others. No man may hold property free from obligations to society for proper uses. Among obligations is one sometimes overlooked. The health and lives of people who may be affected should be considered, and no man may endanger the health or lives of neighbors. It is not lawful for a man to mix poisons with the food of neighbors, and his right to mix poisons with air which his neighbor may breathe, is not greater. Whoever pollutes the air which his neighbor must breathe, violates law. No man has a right even to so use property that from it may come noxious smells. If he does this, his neighbor may complain to the courts, may enjoin the nuisance, and recover damages.

A good citizen will wish to so use property that it shall injure no one; and a man willing to do his neighbor injury by endangering the lives of his family is on the road to bad citizenship.

The man who keeps a dangerous dog is culpable and he who keeps any kind of a dog is assuming risks that may become grave ones.

A BEEF MISTAKE.

A certain neighborhood in Kansas that had formerly attained some reputation as a home of goodly members of well bred cattle is now found to have changed and to have lost this reputation. This fact is due to two things. Many of the farmers have found it more immediately profitable to raise and sell grain than to continue in the live stock business as the former only occupies a part of the year and, under existing prices, is very profitable and is not attended by any risks such as the breeder and feeder assumes. The ultimate result of this method is apparently lost sight of and the fact that the farmer sells his farm with every load of grain is either not recognized or is ignored. The result is already noticeable. It is true that, for the immediate dollar, grain farming is excellent but it is a vastly bigger truth that farming without live stock is financial suicide. The other reason noted is to be found in the fact that a considerable number of farmers in this particular neighborhood have retired from active work and rented their farms and, under the present custom, it is not practicable for a renter to make stock raising his chief business when he can only secure an annual lease. A renter with sufficient capital might have bought feeders and made money in years past but not now. If he has plenty of capital he does not long remain a renter

With which is combined FARMER'S ADVOCATE. Established 1877.

Published Weekly at 625 Jackson Street, Topeka, Kansas, by the Kansas Farmer Company.

ALBERT T. REID, President.

S. H. PITCHER, Secretary.

J. R. MULVANE, Treasurer.

T. A. BORMAN, I. D. GRAHAM, Editors.

Chicago Office—First National Bank Building, 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. One renewal and one new subscription, one year \$1.50. One renewal for two years and one new subscriber for one year \$1.75. One renewal for three years and two new subscriptions each for one year, \$2.25. The date of subscription will be found on the label on your paper. We follow the usual custom of publication and conform to a desire of most subscribers, by sending the paper until an order is received to discontinue it. We must be notified in writing when the subscriber desires the paper stopped. Returning the paper is not sufficient, as we cannot tell from the label alone what the address is. Both name and address must be given and all arrearages paid.

ADVERTISING RATES—25 cents per agate line. 14 lines to the inch. Announcements of reputable advertisers respectfully solicited. No medical nor questionably worded advertising accepted. Forms close Monday.

OUR GUARANTEE—It is our belief that all advertisements in this paper are from reliable persons or firms. To show that we are in earnest in protecting our subscribers we guarantee the trustworthiness of our advertisers under the following conditions: We will make good the loss of any paid up subscriber who suffers by dealing with any fraudulent advertiser in our columns, provided complaint is made to us within thirty days after the transaction. This guarantee means just what it says. It does not mean that we guarantee to settle all trifling disputes between a subscriber and an advertiser, though we offer our good offices to this end. We do, however, protect you from fraud under the above condition. In writing to advertisers be sure always to say: "I saw your advertisement in Kansas Farmer."

CONTRIBUTIONS—Correspondence invited on all farm topics, live stock, soil, cultivation, grains, grasses, vegetables, household matters, recipes, new and practical, farm ideas, farm news. Good photographs of farm scenes, buildings, live stock, etc., are especially invited. Always sign your name, not for publication, unless you desire it, but as evidence of good faith. Address all communications to

KANSAS FARMER COMPANY, Topeka, Kansas.

and he cannot buy the feeders at money making prices as he once could. Neither can he practice a rotation of crops such as is necessary in stock raising, for his own interests and for the benefit of the soil fertility. His necessities compel him to make the most he can out of the farm during each succeeding season as he may not get a renewal of lease.

All this points to the fact that this naturally rich farming locality is going backwards and doing it rapidly. It points out that the reason lies in the abandonment of the live stock industry and it suggests that this locality may be typical of others where the present system of farming must be modified or radically changed. The future beef supply must come from the farms and not from the ranges. It must come through the few head that can be profitably bred and raised on each farm and not from the large herd. It must come through that modification of present methods by which the farmer can turn out a few head of beef cattle of his own raising in excess of the number to which he has heretofore been accustomed.

A little careful study of ways and means, a little more of economy in production and a full realization of the fact that live stock is not only a necessity in farming, but that it is a money making necessity will serve to place this community, and others like it, on its proper level.

COMMENCEMENT AT K. S. A. C.

The Kansas Agricultural College will close its regular work for the year 1909-10 on June 16. Commencement exercises will begin on Saturday, June 11, baccalaureate sermon on Sunday, June 12, by President A. B. Storms, of the Iowa Agricultural College, the exercises of the week culminating with the commencement address on Thursday by Hon. Willis L. Moore, Chief of the Weather Bureau Service, Washington, D. C., band concert, military drill, sham battle, etc. The approximate number of graduates from the several courses is 140, and the attendance for the year aggregates over 2,300.

Kansas has developed more good men, men who have made their several marks in the world, at her State Agricultural College, than has any other state. In all too many cases, however, it happens that just as she has gotten a man into his best working shape some other state with more available money or the national government with more than any will tempt him away with a bigger salary. Once in a while Kansas gets a man whose loyalty is proof even against the temptations of the wily dollar, and he remains because of his state,

because of his work and because of his loyalty to both. One of these men is Prof. R. J. Kinzer, who is reported to have refused a very tempting offer from the Missouri Agricultural College and who remains here to carry forward the splendid work which he has been doing ever since he came to Kansas. The live stock interests of Kansas are to be congratulated.

When the boys get home from college, as they soon will, they will have a feeling of satisfaction that they have finished the course of study and, it may be, they will feel that they are each a finished product in consequence. Such a feeling is bad for the boy and bad for his future. After leaving college with all that he can gain from the professors, the students and the college experience he will still have much to learn and much of this will come only by hard knocks. Hard knocks should not be alarming, however. Remember that hard conditions breed men. Remember also that a thing that is finished is dead. An education is simply a preparation for a beginning.

In attempting to explain why so much of foreign immigration has been diverted from the United States to the Canadian Northwest as well as why so many thousands of American farmers are going there a writer in an eastern journal has this to say: "The merchant will buy and sell and buy again, but the farmer will sell and sell, until he is practically sold out; then he goes 'west,' and with him 'westward' the course of Empire takes its way." But the western boundary has been reached. Many of the men who are emigrating to the Canadian Northwest are grain farmers, and raising grain, in California, for instance, is now a joke. While it once exported millions of bushels of grain, California now does not raise enough wheat to make its own bread. Lands in other western states are also becoming depleted, and northwestern Canada offers good opportunities for a repetition of the 'skinning method.'

Fewer acres with better cultivation will be the slogan of the near future. If for no other reasons the scarcity of capable farm help and the conservation of fertility would be enough. If a man can produce on 80 acres by better methods as heavy yields as he has been getting from 160, is he not a gainer in every way?

There are some 7,000,000 farmers and their families in the United States and these constitute the largest single class of our citizenship. Counting the necessary investment in land, live stock and farm tools, to-

gether with whatever of surplus wealth they may have, these farmers constitute the wealthiest class of our citizenship. Considering his methods of life and habits of thought by which he has more time for reading than the average man and by which he thoroughly digests what he reads instead of skimming over it as is the habit of the city man, the farmer as a class is the best posted man in American citizenship. Moreover, taken as a class, the farmer has the largest income of any. What wonder then, that the man who would supply the farmer's trade as well as the man who would furnish his reading matter must supply the best.

Another way to secure economy in farm management is to kill off the rats. The government statistics, to which we naturally turn when we want big figures about any particular thing, give a long string of these figures preceded by a dollar mark as showing the actual loss sustained by the farmers of the country from the depredations of these rodents. It may be all true. It probably is true, but these figures are intended to show only the value of the crops and seed actually destroyed and not the loss which comes through their transmission of hog cholera and other diseases that are deadly to both man and beast, nor do they estimate the annoyance experienced from having them around. About them nothing good can be said and a good many other things might.

Most men do about the same amount of work, but they differ in effectiveness. The railroad president is such because his work is effective. The hobo, because he is not. The hobo does about as much work in keeping out of work as any and his position at the bottom of the scale is due to his lack of effectiveness in doing work that is of value to himself and his fellow man. Effectiveness counts.

The real value of the farm does not lie either in its worth as a home or as a money maker but in both. It means even more than this. The value of that little tract of land which is enclosed by your fence and which bears the imprint of your character and individuality through long years of labor and planning cannot be measured by the assessor. Suppose you were to sell it for a goodly sum and move to the city you would then begin to realize something of this real value. The selling price of a good farm would buy only a fairly good residence in the city and leave nothing upon which to live. Taxes and other expenses would be immensely increased and your income gone. You would be hampered by restrictions and laws that would be irksome and with but little in the way of compensations. You would have a shelter in town while the farm furnished a real home and an occupation. Fix up the farm home and stay with it. It is more worth while.

Don't borrow. The borrower is a slave to the lender, and why should you want to be a slave? The borrower has few friends and retains none long. If you cannot buy, then hire. If you can do neither, then do without.

Dr. Sambon, who is a member of the committee which has been investigating pellagra, telegraphs from Rome that the committee has proved that corn is not the cause of this dreaded disease. The committee has found that the disease is transmitted by the aid of a biting gnat which is known to science as "simulium rep-tans."

The Industrialist says that Prof. A. Dickens smudged the college orchards dense and plenty during the cold nights of the week and the students are guessing whether the smudge pots or the prevailing wind should be given credit for the saving of the fruit.

Agriculture in the Common Schools.

(Continued from Page 1)

until July 1, 1913, but there will be a fund of \$1,000,000 per year made immediately available for use of the state normal schools in the training of teachers to care for the instruction in the secondary schools as provided for in the bill. In addition, there is another fund of \$1,200,000 that is available for the training of teachers of vocational subjects in agricultural high schools.

This arrangement provides a fund of over \$2,000,000 a year for the next three years to be used by agricultural, mechanical and normal colleges and schools in the training of teachers in the subjects to be taught under the provisions of the bill appropriating \$10,000,000 for secondary and vocational education.

The Nelson bill, which provides for the immediate appropriation for the instruction of teachers, also provides the condition that each state which accepts the federal appropriation shall duplicate it from its own treasury. In other words, if the Governmental appropriation should amount to \$25,000 per year for the agricultural high schools and the associated experiment stations provided for, then the state must duplicate this fund so that \$50,000 will be the available fund for each school of this kind. A further provision is made that each state shall be divided into districts so that not more than 15 counties and not less than 5 counties shall be included in the territory which supports each agricultural high school and branch experiment station. This division of territory is to be made by the State Legislature.

The bill appropriating the fund for the creation of these schools is known as the Dolliver-Davis Bill, and seems to have the united support of organized labor, manufacturers, transportation companies and of the employers of labor generally. It is also supported actively by the National Grange, the National Education Association and numerous other bodies.

Our educational system generally is thought to be an excellent one, but a little investigation shows it to be far behind the times. Modern business conditions, as well as modern ways of living, demands vocational training. This is furnished in a most excellent manner by the State University, the Agricultural College and the State Normal School, each in its sphere, but the great mass of young people who will constitute our future citizenship, find it beyond their means to take advantage of the educational facilities offered in these institutions and the problem of carrying agriculture, home-making and other vocational studies to the large percentage of young people who need it and yet who can not enjoy it under present conditions, is a problem which has engaged the brightest minds and awakened general attention. These bills before Congress now seem to offer at least a partial solution to the problem.

How Can One Make a Living on a Small Tract?

EDITOR KANSAS FARMER:—This question is earnestly asked by two classes of people who, on account of failing health or uncongenial surroundings and employment, are anxious to try it, and desire to invest their earnings in land that they may eventually make

a living from it. For such, plenty of advice is found in the land booming real estate literature, for the alluring accounts of the large sums of money realized from small areas are sure to attract a person in necessity; especially so when the claims and figures are backed by the most convincing proof—the personal testimonials from the men who have actually secured the results. The fact that it has required an equipment of perhaps years of training and experience is not mentioned, or that the condition of soil fertility was ideal, or that specially favorable climatic and market conditions prevailed which made the returns possible. These points are kept in the background; and the items of cost and expense are seldom deducted or even mentioned.

Hardly a mail comes to the Colorado Agricultural College and Experiment Station that does not contain letters of inquiry upon the essence of this question—information which in many cases it is impossible to furnish in a way that will be satisfactory to the inquirer, for so much depends upon the local conditions and the ability of the man to cope with obstacles.

There is no question about the right kind of men in the right kind of surroundings making a good living on a small tract in truck farming, poultry, and fruit. Every experienced man knows that many small farms are failures; that is, the 10- and 15-acre farms devoted to field crops, like grain, beets, potatoes, or cantaloupes. For a few years there may be bountiful returns, but eventually rotation with alfalfa is necessary, and then there must be other resources for the farmer, because his small area seeded to alfalfa will not afford him a living.

The teacher in the city school had been telling her class about cattle. "Now name some things," she said, "that are dangerous to get near and that have horns." "Automobiles!" responded Jennie, promptly.

Legality of Wills.

Every person is interested in the disposition of his property at his death and should know absolutely that it will be received by those whom he desires to have it, without trouble or expense. Nathan Q. Tanquary, Continental Bldg., Denver, Colo., for more than 20 years has made a specialty of the law concerning wills, estates and diversion of property. No will drawn by Mr. Tanquary has ever been broken. All inquiries by mail or in person are treated with the utmost confidence and given careful personal attention.

WORTH LOOKING FOR

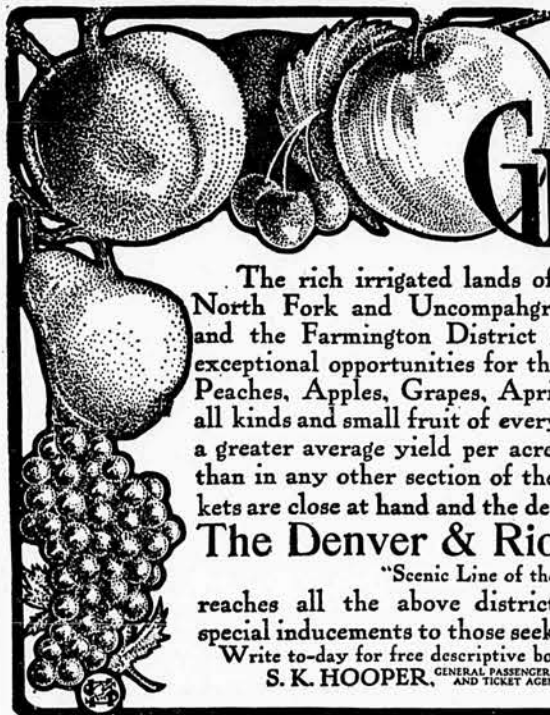
When buying Hay Stack Covers always find the "Baker" Trade Mark before you decide. That trade mark tells you that there are 40 years of experience behind the cover.

"BAKER" STACK COVERS

Guaranteed Full Weight

last years longer and cost no more than other Stack Covers. Write us for names of dealers near you who sell genuine "Baker" Stack Covers.

Baker & Lockwood Mfg. Co.
Established 1870
616 Wyandotte St.
Kansas City, Mo.

FRUIT GROWING


The rich irrigated lands of the Arkansas, Grand, North Fork and Uncompahgre Valleys of Colorado, and the Farmington District of New Mexico, offer exceptional opportunities for the fruit grower. Pears, Peaches, Apples, Grapes, Apricots, Plums, Melons of all kinds and small fruit of every variety are raised with a greater average yield per acre—and a finer quality—than in any other section of the United States. Markets are close at hand and the demand exceeds the supply.

The Denver & Rio Grande R. R.

"Scenic Line of the World"

reaches all the above districts and offers special inducements to those seeking locations. Write to-day for free descriptive booklets.

S. K. HOOPER, GENERAL PASSENGER AND TICKET AGENT, Denver, Colo.



SCHOOLS AND COLLEGES

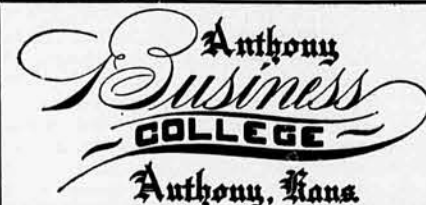
KANSAS WESLEYAN BUSINESS COLLEGE

Wanted 1500 Young People

500 Men
500 Men
500 Lady
Telegraphers
Bookkeepers
Stenographers
Bookkeepers
Positions Guaranteed.

Authentic School for Railroads and Banks. Largest, best equipped west of the Mississippi. 1,000 students annually; 18 professional teachers, six certificated teachers of Shorthand; Best Pen Art Department in the West; Individual Instruction; Satisfactory Positions Guaranteed. Union Pacific contracts to take all graduates of Telegraphy. Expenses low. No agents. Write for illustrated catalog. SEE OUR ONE MONTH TRIAL OFFER.

Fully Equipped School of Motoring for Chauffeurs.
T. W. ROACH, GEN. SUPT.,
200 S. Santa Fe Ave. Salina, Kan.



Anthony, Kans.

THE SCHOOL FOR FARM BOYS AND GIRLS

Highly Endorsed by Business Men.
New Building. New Equipment. Terms very low.

FALL TERM BEGINS SEPT. 1ST.
WRITE FOR FREE CATALOG.



WILL G. PRICE - PRESIDENT

Our motto: Exceptionally well-trained graduates receive exceptionally good salaries and rapid promotion.
Our new original catalogue will interest you. For it write now—right now.

WILL G. PRICE, President,
Wichita, Kan.

START TODAY TO FULFILL YOUR AMBITION TO BECOME SELF SUPPORTING!

The first thing to do is to decide what you want to do.
The second, if it's a business career is to enroll yourself as a student here.
Our courses are practical and thorough, covering the ground quickly and preparing you to meet any demand in the business world.
Make your start today! Write for catalog.
ARKANSAS CITY BUSINESS COLLEGE AND SCHOOL OF TELEGRAPHY,
ARKANSAS CITY, KANSAS.



508-10-12-14-16 East Douglas Ave.

Our 17 years of successful existence, faculty of specialists, modern and approved methods, excellent equipment, best text books, enables us to do more for you than you can get elsewhere.

Write for Bulletin F, giving full information.

THE INDEPENDENCE BUSINESS & TRADES COLLEGE

Get your experience while in school from actual business. We have the most completely equipped Business College in the Southwest in a new modern College building. Cheapest living expenses in the State. EVERYONE of our GRADUATES filling good positions. Write today for catalog.

E. G. BETZ, President, Independence, Kansas.

MISSOURI AUCTION SCHOOL

(Largest in the World.)

121 students attended the January term 1910.
August 1, 1910 is the opening date for our next four weeks' term. Additional instructors selected from America's leading Auctioneers have been engaged to instruct and lecture during the term. No other profession paying as well can be attained at ten times the expense and time. The only school where students sell all kinds of property. Our Correspondence Course is greatly appreciated by those who cannot attend personally. Illustrated catalog of either course free.

WM. B. CARPENTER, PRES., TRENTON, MO., OR OKLAHOMA CITY, OKLAHOMA.



MUSIC STUDENT

Write TODAY for our FREE 60-page illustrated catalog, booklets on Leschetizky system of piano instruction, booklet on Voice Culture, Violin, etc.

THE WICHITA COLLEGE OF MUSIC

The Largest and Best Equipped School of Music in Kansas.
Boarding Department—Elegant new apartments for young ladies.
Piano practice rooms.

For information write to THEODORE LINBERG, Pres., 216 N. Lawrence, Wichita, Kan.

LEARN TELEGRAPHY IN 5 MONTHS

Sure Job on Santa Fe.
Pays from \$53.00 to \$145.00 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
DESK F. TOPEKA, KAN.



Lawrence, Kansas.
Positions secured. Our big illustrated catalog explaining everything is FREE. Address 114 Mass. St.

WICHITA TELEGRAPH SCHOOL.
Young men wanted for positions on three different railroads. You can't lose out. Write for catalog and we will tell you why.
W. D. ALVEY, Manager, 605 E. Douglas, Wichita, Kan.

Business Colleges

Box 353 F., Hutchinson, Kan.
Largest in Kansas. Students come from fifteen states.

CENTRAL KANSAS BUSINESS COLLEGE

Strong, efficient, thorough and ready to help you. Catalogue free upon request.
ABILENE, KAN.

Emporia Business College

Clean, moral surroundings. Special course for farmer boys and girls. Write for illustrated catalog. EMPORIA, KANSAS.

LOOKS EXACTLY LIKE LINEN

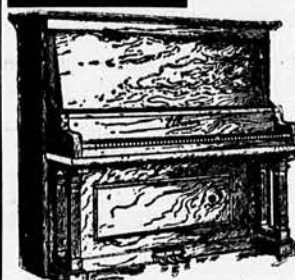
TAKE a good look at an Anchor Brand Waterproof Collar—note the perfect linen finish and whiteness. Can't tell it from the finest linen—yet it will wear a year and never require laundering. Saves you money every day you wear one. Right-up-to-the-minute in style.



Collars 20 cents each
Cuffs 40 cents a pair
If your dealer doesn't sell them write us. We'll send you our free style book.
CAPITAL COLLAR & CUFF CO., MANUFACTURERS, LINCOLN, NEB.

PIANOS

Be Sure What You Get is Worth What You Pay.



The success of our business is built upon inspiring trust and giving satisfaction. Ours is the One Price No Commission Plan—every piano is marked

at its lowest net cash price and that price is the same to everyone. People all over the Southwest know that it is as safe to buy by mail of Jenkins as if they called in person.

WE SELL SAFE PIANOS IN A SAFE WAY.

Buy the ELBURN H-2 \$6 Per Month—the Best Piano in the World at the Price. We have letters from thousands of pleased customers to prove it. We will send the Elburn to you on approval freight prepaid.

Scores of bargains—USED PIANOS many of them as good as new. All of them priced at 1-3 to 1-2 their original value. WE ARE FACTORY DISTRIBUTORS FOR STEINWAY, VOSE, WEBER, KURTZMAN, ETC. Write for catalogs. Address Piano Department No. 2, J. W. JENKINS SONS MUSIC CO., Kansas City, Mo.

FREE DIAMOND BROOCH

AND OTHER BEAUTIFUL JEWELRY

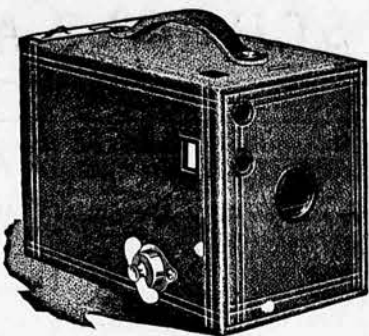
1st prize—Diamond Brooch. 2d—Lady's Gold Watch. 3d—Lady's Silver Hand Mesh Bag. 4th—Lady's Gunmetal Watch. Next 25—Ladies' Gold Filled Rings. Next 50—Pearl Stick Pins.

FIND THE INDIANS
And write the sentence—"Evan's sells pianos from factory to home and saves us money."



There is a council of Indian chiefs in this picture. Can you find four of them? Outline each face with a pencil on this or a separate sheet of paper. To the nearest, correct, artistic answers will be given the above presents in order named. Each contestant to receive a credit check good for \$50.00 on any new piano. CONTEST CLOSES JUNE 15, 1910. Only one contestant in a family permitted to enter. Send answers with self addressed stamped envelope to

F. O. Evans Piano Co.
402 W. Ninth St., Des Moines, Ia.



Large Pictures, Small Cost.

In this serviceable little Camera we have simplified picture taking to the last degree. It loads in daylight with Kodak Non-Curling Film Cartridges for four, six or twelve exposures, has a fine meniscus achromatic lens, automatic shutter for snap-shots or time exposures with set of three stops, has two finders and two tripod sockets. Takes pictures $3\frac{1}{4} \times 4\frac{1}{4}$ inches, and is well made and finished in every detail. Anybody can take good pictures with this camera without previous experience. The price is \$4.00. Ask the dealer to show you the

No. 3 BROWNIE

"The Book of the Brownies" free at the dealers or by mail.

EASTMAN KODAK CO.

408 State Street, ROCHESTER, N. Y.

KODAK Developing and Printing

Kodak, Brownie, Premo, Century and Graflex Cameras. Films, Plates, Papers and Sundries. Catalogue free.

Sweet, Wallach & Co., 74 Wabash Ave., Chicago, Ill. Largest Retailers of Photographic Goods in the World.

DAISY FLY KILLER



placed anywhere, attracts and kills all flies. Neat, clean, ornamental, convenient, cheap. Lasts all season. Made of metal, cannot spill or tip over, will not soil or injure anything. Guaranteed effective. Of all dealers or sent prepaid for 20 cents. HAROLD SOMERS 150 DeKalb Ave. Brooklyn, N. Y.

Fish Will Bite

like hungry wolves at all seasons if you use FISH LURE. It keeps you busy pulling them out. Write today and get a box and complete Fishing Outfit to help introduce it. Enclose 2c stamp. Michigan Fish Bait Co., Dept. 6, Port Huron, Michigan.

PATENTS WORTH FORTUNES
Inventors send 6c for our valuable Patent Book. R. S. & A. B. LACEY, Dept. 46, Washington, D. C. Est. 1869.

"RANGER" BICYCLES

Have imported roller chains, sprockets and pedals; New Departure Coaster Brakes and Hubs; Pneumatic Proof Tires; highest grade equipment and many advanced features possessed by no other wheels. Guaranteed 5 yrs. direct to you. Others ask for cheap wheels. Other reliable hand machines \$3 to \$8.

10 DAYS' FREE TRIAL. We ship on approval, freight prepaid, anywhere in U.S. without account in advance. DONOTBUY a bicycle or a pair of tires from anyone at any price until you get our big new catalog and special prices and a marvelous new offer. A postal brings everything. Write it now.

Tires Coaster Brake Rear Wheels, lamps, parts, and sundries half usual prices. Rider Agents everywhere are coining money selling our bicycles, tires and sundries. Write today. MEAD CYCLE CO., Dept. S284 CHICAGO

HOME CIRCLE



Concerning the Bath.

Sometimes, through neglect, I feel obliged to say, the boys, and girls too, of some families grow up to dislike bathing. To them the weekly bath becomes monotonous and tiresome, and "if they just had a bath tub and bath room, how lovely," the girls say. And the boys jump and skip in the yard at the mention of a bath, and firmly protest that it "ain't no use."

All parents should know and be qualified to teach the importance of bathing to their children, since there are few papers and magazines of today that we pick up that we cannot find an article on the importance of the bath. But when by neglect the boys and girls have grown to dislike the bath the question is, how are we to induce them to take an interest in bathing, especially when there is no bath room and equipments. We all would enjoy our bath better if we had a bath room, etc., but since we can't all have them we must make the best of what we have.

To begin with the growing boy who says "it ain't no use," we must talk kindly to him and make his surroundings inviting to induce him to love his weekly bath. I say weekly bath, because the family washing is done weekly, hence the bath in most homes is a weekly affair. But it is no offense if a bath be taken more often.

If the boy has a room of his own, fix up the interior as neat and pretty as possible. For the equipments try a new galvanized tub or a granite foot tub; a pretty $1\frac{1}{2}$ yards square linoleum rug, a pretty cotton rug, a soap dish, a towel rack and a cake of toilet soap. All of this should be the boy's own property, with the possible exception of the tub.

Provide him with good bath towels and see that the towels, all his clothes, even his socks, are neatly ironed and folded away. All boys appreciate pretty things and neatly

HOME CANNING—For several years we have been selling kitchen utensils which make it easy for you to successfully preserve your own vegetables, meats and fruits. All our customers are pleased and we can please you. Write now for free booklet explaining our methods. Agents wanted. The Home Canner Co., Lawrence, Kan.

Admiral percales

36 inches wide

10 CENTS A YARD

Like spring flowers, except that they are beautiful the whole year round. Serviceable too—for House Gowns, Kimonos, Dressing Sacques, Shirts, etc.

Every good shop has them.

Write to us for samples.

HAMILTON MFG. CO.

93 Franklin St., Boston, Mass.



ironed clothes. After his bath he should always find a neat clean bed to receive the refreshed body. The pillow cases should be neatly ironed, the quilts and blankets should be clean, and sheets, if you use them, should be ironed at least one-fourth the length across the top, if no more. All of this trouble (?) time to bathe, and a gentle talk on the importance of keeping the body well groomed to be genteel and respected will induce most any boy to take an interest in keeping clean.

For the girl, provide her a neat, pretty room, with about the same bath fixtures that was provided for the boy's room. Her clothes, etc., should also be ironed; this she should be taught to do for herself as well as for her brother. Both the boy's and girl's room should be provided with a good brush and comb, toilet soap, and all other toilet necessities they deem necessary to their toilet.

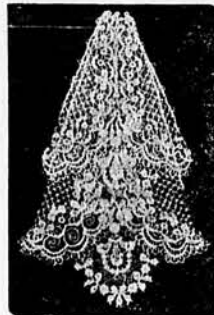
Never permit the children, or for that matter yourself, to use toilet powder or toilet creams, etc., without first bathing the body.

Once you acquaint the junior members of the family to regular bathing they will take an interest in keeping clean, be more energetic, more intelligent, and will not grow up regarding the farm as a place where you can't keep clean. Although the farmer and his family live close to mother earth, rural progress demands that the whole family regularly acquaint themselves with the living water.—F. Lincoln Fields, Burlington, Kan.

The farming class, if at all anxious for group influence, can hardly avoid this tendency to organization. Farmers, more than any other class, need to organize. An argument for organization gains force from the fact that relatively the agricultural population is declining. In olden days farmers ruled because of mere mass. In farm organizations there is a tendency for class interests to be put above general social welfare. This is a danger to be avoided in organization, not an argument against it. So farmers' organizations should be guarded, by adhering to the principle that organization must not only develop class power but must be so directed as to permit farmers to lend full strength to their class in general social progress.

The ancient Spartans did not ask how many there were of the enemy but where they were.

DAINTY LACE JABOT 25c.



These beautiful jabots are of fine quality heavy lace in Irish crocheted effect on a large meshed net foundation. The

style is copied from an expensive jabot of real lace and is one of the most attractive we have even seen to sell for so little.

Order at once as the supply of these jabots will soon be exhausted.

Postage paid in Kansas.

KANSAS MAIL ORDER SERVICE
The Mills Dry Goods Co., Topeka.

NEW HOME



No other like it. No other as good.



Warranted for All Time

Not sold under any other name.

The NEW HOME is the cheapest to buy, because of its superior wearing qualities. All parts are interchangeable, can be renewed at any time. Ball bearings of superior quality. Before you purchase write us for information and Catalog No. 10

THE NEW HOME SEWING MACHINE CO., Orange, Mass.

"ENTERPRISE" MEAT AND CHOPPER

The most useful of kitchen helps—an invaluable aid in sausage making. It actually cuts anything that goes through it—meat, fish, vegetables, fruit, etc. Strong and simple. Made in 45 sizes for hand, steam, and electric power. No. 5, small family size, \$1.75. No. 10, large family size, \$2.50. Also makers of "ENTERPRISE" Bone, Shell and Corn Mills, Sausage Stuffs and Land Presses, Coffee Mills, Raisin Seeders, Fruit, Wine and Jelly Presses, Cherry Stoners, Cold Handle Saws, etc.

The "ENTERPRISE HOUSEKEEPER" contains over 200 recipes. Sent anywhere for 4 cents in stamps.

The Enterprise Mfg. Co. of Pa., Dept. 36 Philadelphia, Pa.



No. 5 \$1.75

No. 10 \$2.50

Look for name "ENTERPRISE" on machine you buy.

THE FARM



Waterproofing Concrete.

PROF. W. S. BELLOW, SCHOOL OF ENGINEERING, KANSAS UNIVERSITY.

Concrete, being easy to handle, is adapted to such building work as a farmer or house owner has to do. Yet concrete walls are liable to damage from dampness. In providing against such danger, however, when possible, the water should be led, not fought. Whenever the water can be drained away, through the wall into the sewer for instance, the problem reduces itself to one of damp-proofing. Otherwise, three general methods of making concrete waterproof are offered, namely: 1. The seal method; 2. The surface-coating method; 3. The integral method.

The seal method requires a separate "sealing" or protecting wall of tar paper, burlap and hot tar, or felt of some kind, built independently of the concrete construction. Painting with hot tar is insufficient. A common method is to use layers of felt soaked in tar, and with a coating of hot tar on each layer, and a patent tarry cement to seal the joints. This wall must be built on temporary supports before the regular concrete construction in case of foundation walls, and at the same time with concreting in case of floors. In this way an elastic developing shell is secured without leaving joints between walls and floors.

The disadvantages of this method are, that the work can be done only by skilled and experienced laborers; that its cost is high; that the wall is difficult to repair; and that because of the wear and tear, repairs are often needed. As the protection is placed on the outside of the walls, it is often necessary to tear down the wall in several places before a leak can be located. However, this method is reliable and will withstand high water pressures. It is the only method that can be used where there is danger of settling and cracks in the walls.

For surface coating, paraffin, plain mortar, or mortar containing some patent waterproofing compound may be used. Plain mortar consisting of equal parts of Portland cement and sand or of one part lime is commonly used. Innumerable patent compounds are sold to be put in mortar plasters to make them water-repellant. Many of these are of little value. In all such work, it is important that the plaster shall adhere to the wall, that it be of even thickness, and that no joints be left, especially from one day's work to the next.

The use of paraffin is one of the more expensive methods and is limited to monuments and building fronts.

A surface coating on the outside prevents water from going through the wall at all, but the coating itself wears out there more rapidly than on the inside. If placed on the inside it is protected and does not require as frequent renewal, but stops the water only after it has passed through the wall. Therefore, it does not prevent the ill effects on the wall itself. The inside application is very useful for reservoirs, dams, etc., where the surface exposed to water is on the inside of walls and floors. This is about the only practicable method for waterproofing existing structures. All surface coatings require occasional patching and renewal. In general, if a surface coating is effective for five years, that form of waterproofing should be considered satisfactory.

The integral method consists of adding some foreign material to the concrete on mixing. Compounds of alum and soap have been used in this way for many years. However, either lime or aluminum sulphate is better and cheaper than alum. These substances form with the organic acids in soap an insoluble precipitate. The

cause of their waterproofing propensities is not entirely understood. As their volume is but one-twentieth of the volume of the voids in the concrete they are supposed to fill, their water-repellant effect is not because of their merely filling the voids. It is known that a film of oil on a wire screen will prevent water from passing through it. It has been suggested that these substances act on concrete in some manner similar to that of oil on a screen.

The amount of chemicals and soap should be about 2 per cent by weight of the cement used. A less amount has less waterproofing effect, and a greater amount weakens the body of the concrete. Enough of the chemical should be used just to neutralize the acid in the soap. This is practically accomplished by using one part of the chemical to two parts of soap by weight in case alum or aluminum sulphate is used, and one part of lime to three parts of soap when lime is used. The alum or lime may be ground and added to the cement and the soap dissolved in the water to be used in mixing the concrete.

Nearly all patent compounds for this purpose contain substances similar to the alum and soap combination. Many of them are worthless. Those containing a metallic stearate—i. e., a soapy compound—as the principal ingredient are the best liked.

For every job of construction there is some one best way of waterproofing, but there is no one method suitable for all cases. To waterproof existing buildings, some surface coating would probably be used. Where there is danger of settling and cracking of walls, the seal method is the only one adaptable. Where there is not much

VEGETABLE SCOOP FORKS

THE True Temper Vegetable Scoop Fork is not only invaluable for handling corn from field to wagon, bin or cars; but also for rapid and easy handling of almost all fruits and vegetables in bulk. It is the most useful fork that the farmer can own.



Handles Without Injury

The blunt, flattened ends of the tines prevent bruising. Perfect shape and hang enable you to carry a large load with easy swing, screening out dirt or snow in the process.

Sold by hardware dealers everywhere. If your dealer doesn't handle, write us and we'll see that you are supplied.

The American Fork & Hoe Co.
CLEVELAND, OHIO

BINDER TWINE 7½c. lb.

F. O. B. Melrose, Ohio, or Kansas City, Mo. Farmer Agents wanted. For samples and catalog write
THEO. BURT & SONS,
Melrose, Ohio.

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 10c cans, or 24 for \$2.00, at Grocers or Drug-gists. Accept no substitute.

E. Myers Lye Co., Dept. 12 St. Louis, Mo.

Select your Hay Harvesting Tools By the Great Dain Standard.

You cannot afford to buy cheaply made tools—we could save 25% in the quality of materials and workmanship put into Dain tools, and you could not detect this deception from appearances, but it's the years of steady service in the field that prove the high quality of Dain tools—and you cannot go wrong in buying hay tools by the Dain standard. Now take for instance the

Great DAIN Truss Frame Sweep Rake

It gets the hay from swath, windrow or cock, better than any other for the reason that this rake automatically follows the ground—combs the bumps and reaches into the hollows. It took many years of experience before we determined the exact angle at which the teeth could be set to offer least resistance, yet gather up all the hay. You see this means lighter draft. The hinged tongue and humane hitch takes weight off the horses in rough ground and prevents sore necks. Then, in connection with the sliding seat, the driver can balance the load, lightening the draft, or can lift the teeth off the ground when rake is empty. There's the steel channel truss to prevent sagging at ends or in the middle. For a large capacity rake this one has no equal, it is guaranteed to be the strongest and largest capacity two-wheel rake on the market. We build five different kinds of sweep rakes, but just one grade—the highest—each the leader of its kind. In our line you will find a rake built especially for you. Tell us your hay tool needs and we will send you full particulars.

Great DAIN Junior Stacker

is one that deserves special mention; it's the most popular stacker made. It's made on the right mechanical principle. The draft is light and evenly distributed. Regardless of the height the hay is lifted, the draft is always the same. This is because the double A frames provide a compound leverage, which in connection with the hoisting rods, also causes the stacker head to be lifted simultaneously from each side, thus preventing sagging or tilting. Patented hay retainers on ends of teeth save one man's time by keeping hay from pulling off and scattering when rake is backed away. Cushion springs protect horses from jar, and cause teeth to rebound quickly, causing hay to fall on stack in flat mass. The only stacker with pitcher teeth adjustable so hay can be delivered into center of stack from bottom to top. This enables stack to settle straight and turn water. With slight adjustment, load can be held at highest point for topping off stack.



In building the Dain Stacker, as is true of all our famous hay tools, our aim has been to produce a machine that would save expense—save trouble—reduce labor—help you make a bigger price—bring quality of hay. We make seven different styles of Stackers, all invented by Mr. Joseph Dain, the Hay Tool Specialist, and made in one factory by hay tool specialists. Consult your dealer about Great Dain Hay Tools or tell us which machine you are interested in. "All About Hay" is full of instructive things, some of which you may not know. Send for it. It's FREE. It also tells about our Loaders, Side Delivery Rakes, in fact the whole Dain Line.

DAIN MFG. CO. Vine St., Ottumwa, Ia.

I'll Save You \$50 On a Manure Spreader If You'll Let Me

This is just a little ad—but a postal will bring my Big Book—and give you my \$50.00 Saving Price and Special Proposition. You can save as much answering this little advertisement as if it covered a page. My Spreader positively will do better work and last longer than any Spreader made—no matter what the price—so why pay \$50 more? 40,000 farmers have stamped their O. K. on my spreader and money-saving prices. My Special Proposition will interest you. Just a postal addressed to Galloway of Waterloo, Iowa, will bring you everything postpaid. Will You Pay a Penny For The Postal and Save \$50.00? Address Wm. Galloway, Pres., WM. GALLOWAY CO., 325 Galloway St., Waterloo, Ia.



WITTE ENGINES

USE GAS, GASOLINE OR KEROSENE

Are known by a superior standard of construction. 25 years of service has demonstrated their worth. Does work at lowest cost and is always ready to saw, grind, pump, shell or do any farm or shop work.

FIVE YEAR BOND GUARANTEE
We build all sizes in stationary or portable type. Hopper jacket or water tank cooling. Inducements to introduce in new localities. Write stating size wanted.
WITTE IRON WORKS CO.
227 East 15th St., Kansas City, Mo.

227 East 15th St., Kansas City, Mo.

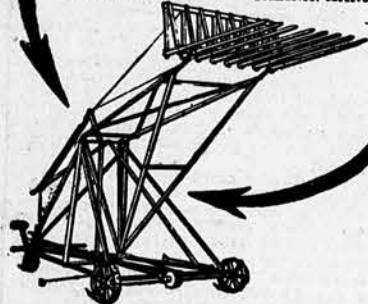
Save Your Hay

No help—shortage if you have a "Jayhawk." One boy to rake, one man on the stacker, one man on the stack. The "Jayhawk" dumps where you want it, as you want it, when you want it. If you are short of sweeps you can use the "Jayhawk" as one. "It Goes to the Hay."

With
The Jayhawk

you can work as well on windy days as in calm weather. It builds a rick any length, width or shape. Portable as a buggy. Works in Alfalfa, Sorghum, Clover, Kafir Corn, Prairie Hay and Timothy. Send for our free Book today.

The F. Wyatt Mfg. Co.
526 N. 5th Street SALINA, KANSAS



BALE 18 TONS A DAY HAY

Our "Cyclone" three stroke self feed hay press is the latest, most powerful and most efficient press on the market. Each circle of the team presses in three charges. The self feed automatically puts the hay down to the bottom of the bale chamber. These two improvements wonderfully increase capacity of our presses. Write today for circular and prices. Five days free trial.

ERTEL CO. QUINCY, ILL.

\$10.00 Sweep Feed Grider | **\$14.00 Galvanized Steel Wind Mill.**

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

CURRIE WIND MILL CO.,
Seventh St., Topeka, Kansas

PROOF

Yes Sir, absolute proof that I save you from 30 to 50 percent on price for the best Cream Separator on earth. Do You Want It?

Send for it this very day

Galloway Cream Separator

and the astonishingly low prices I am offering on this strictly high grade machine. It tells and proves how hundreds of men have found by actual point for point test that the Galloway is better than the high-priced machines—that it saved them from 30 to 50 per cent in first cost—how little it cost them for repairs—how much money it has made for them—how easy it runs—how easy to keep clean—and what a wonderfully close skimmer it is. Don't think of buying a cream separator without first getting this "proof." No matter how many cows you keep, there is a Galloway to suit, and the prices and liberal selling plans will actually astonish you.

The Proof is FREE.
The Catalog is FREE.
A post card will bring them.

The Wm. Galloway Co.
382 Galloway St., Waterloo, Iowa

14 Cents a Rod

For 12-in. Hog Fence, 15¢ a rod for 12-in. 18-24 for 12-in. 24-36 for 12-in. 36-48 for 12-in. 48-60 for 12-in. 60-72 for 12-in. 72-84 for 12-in. 84-96 for 12-in. 96-108 for 12-in. 108-120 for 12-in. 120-132 for 12-in. 132-144 for 12-in. 144-156 for 12-in. 156-168 for 12-in. 168-180 for 12-in. 180-192 for 12-in. 192-204 for 12-in. 204-216 for 12-in. 216-228 for 12-in. 228-240 for 12-in. 240-252 for 12-in. 252-264 for 12-in. 264-276 for 12-in. 276-288 for 12-in. 288-300 for 12-in. 300-312 for 12-in. 312-324 for 12-in. 324-336 for 12-in. 336-348 for 12-in. 348-360 for 12-in. 360-372 for 12-in. 372-384 for 12-in. 384-396 for 12-in. 396-408 for 12-in. 408-420 for 12-in. 420-432 for 12-in. 432-444 for 12-in. 444-456 for 12-in. 456-468 for 12-in. 468-480 for 12-in. 480-492 for 12-in. 492-504 for 12-in. 504-516 for 12-in. 516-528 for 12-in. 528-540 for 12-in. 540-552 for 12-in. 552-564 for 12-in. 564-576 for 12-in. 576-588 for 12-in. 588-600 for 12-in. 600-612 for 12-in. 612-624 for 12-in. 624-636 for 12-in. 636-648 for 12-in. 648-660 for 12-in. 660-672 for 12-in. 672-684 for 12-in. 684-696 for 12-in. 696-708 for 12-in. 708-720 for 12-in. 720-732 for 12-in. 732-744 for 12-in. 744-756 for 12-in. 756-768 for 12-in. 768-780 for 12-in. 780-792 for 12-in. 792-804 for 12-in. 804-816 for 12-in. 816-828 for 12-in. 828-840 for 12-in. 840-852 for 12-in. 852-864 for 12-in. 864-876 for 12-in. 876-888 for 12-in. 888-900 for 12-in. 900-912 for 12-in. 912-924 for 12-in. 924-936 for 12-in. 936-948 for 12-in. 948-960 for 12-in. 960-972 for 12-in. 972-984 for 12-in. 984-996 for 12-in. 996-1008 for 12-in. 1008-1020 for 12-in. 1020-1032 for 12-in. 1032-1044 for 12-in. 1044-1056 for 12-in. 1056-1068 for 12-in. 1068-1080 for 12-in. 1080-1092 for 12-in. 1092-1104 for 12-in. 1104-1116 for 12-in. 1116-1128 for 12-in. 1128-1140 for 12-in. 1140-1152 for 12-in. 1152-1164 for 12-in. 1164-1176 for 12-in. 1176-1188 for 12-in. 1188-1200 for 12-in. 1200-1212 for 12-in. 1212-1224 for 12-in. 1224-1236 for 12-in. 1236-1248 for 12-in. 1248-1260 for 12-in. 1260-1272 for 12-in. 1272-1284 for 12-in. 1284-1296 for 12-in. 1296-1308 for 12-in. 1308-1320 for 12-in. 1320-1332 for 12-in. 1332-1344 for 12-in. 1344-1356 for 12-in. 1356-1368 for 12-in. 1368-1380 for 12-in. 1380-1392 for 12-in. 1392-1404 for 12-in. 1404-1416 for 12-in. 1416-1428 for 12-in. 1428-1440 for 12-in. 1440-1452 for 12-in. 1452-1464 for 12-in. 1464-1476 for 12-in. 1476-1488 for 12-in. 1488-1500 for 12-in. 1500-1512 for 12-in. 1512-1524 for 12-in. 1524-1536 for 12-in. 1536-1548 for 12-in. 1548-1560 for 12-in. 1560-1572 for 12-in. 1572-1584 for 12-in. 1584-1596 for 12-in. 1596-1608 for 12-in. 1608-1620 for 12-in. 1620-1632 for 12-in. 1632-1644 for 12-in. 1644-1656 for 12-in. 1656-1668 for 12-in. 1668-1680 for 12-in. 1680-1692 for 12-in. 1692-1704 for 12-in. 1704-1716 for 12-in. 1716-1728 for 12-in. 1728-1740 for 12-in. 1740-1752 for 12-in. 1752-1764 for 12-in. 1764-1776 for 12-in. 1776-1788 for 12-in. 1788-1800 for 12-in. 1800-1812 for 12-in. 1812-1824 for 12-in. 1824-1836 for 12-in. 1836-1848 for 12-in. 1848-1860 for 12-in. 1860-1872 for 12-in. 1872-1884 for 12-in. 1884-1896 for 12-in. 1896-1908 for 12-in. 1908-1920 for 12-in. 1920-1932 for 12-in. 1932-1944 for 12-in. 1944-1956 for 12-in. 1956-1968 for 12-in. 1968-1980 for 12-in. 1980-1992 for 12-in. 1992-2004 for 12-in. 2004-2016 for 12-in. 2016-2028 for 12-in. 2028-2040 for 12-in. 2040-2052 for 12-in. 2052-2064 for 12-in. 2064-2076 for 12-in. 2076-2088 for 12-in. 2088-2100 for 12-in. 2100-2112 for 12-in. 2112-2124 for 12-in. 2124-2136 for 12-in. 2136-2148 for 12-in. 2148-2160 for 12-in. 2160-2172 for 12-in. 2172-2184 for 12-in. 2184-2196 for 12-in. 2196-2208 for 12-in. 2208-2220 for 12-in. 2220-2232 for 12-in. 2232-2244 for 12-in. 2244-2256 for 12-in. 2256-2268 for 12-in. 2268-2280 for 12-in. 2280-2292 for 12-in. 2292-2304 for 12-in. 2304-2316 for 12-in. 2316-2328 for 12-in. 2328-2340 for 12-in. 2340-2352 for 12-in. 2352-2364 for 12-in. 2364-2376 for 12-in. 2376-2388 for 12-in. 2388-2400 for 12-in. 2400-2412 for 12-in. 2412-2424 for 12-in. 2424-2436 for 12-in. 2436-2448 for 12-in. 2448-2460 for 12-in. 2460-2472 for 12-in. 2472-2484 for 12-in. 2484-2496 for 12-in. 2496-2508 for 12-in. 2508-2520 for 12-in. 2520-2532 for 12-in. 2532-2544 for 12-in. 2544-2556 for 12-in. 2556-2568 for 12-in. 2568-2580 for 12-in. 2580-2592 for 12-in. 2592-2604 for 12-in. 2604-2616 for 12-in. 2616-2628 for 12-in. 2628-2640 for 12-in. 2640-2652 for 12-in. 2652-2664 for 12-in. 2664-2676 for 12-in. 2676-2688 for 12-in. 2688-2700 for 12-in. 2700-2712 for 12-in. 2712-2724 for 12-in. 2724-2736 for 12-in. 2736-2748 for 12-in. 2748-2760 for 12-in. 2760-2772 for 12-in. 2772-2784 for 12-in. 2784-2796 for 12-in. 2796-2808 for 12-in. 2808-2820 for 12-in. 2820-2832 for 12-in. 2832-2844 for 12-in. 2844-2856 for 12-in. 2856-2868 for 12-in. 2868-2880 for 12-in. 2880-2892 for 12-in. 2892-2904 for 12-in. 2904-2916 for 12-in. 2916-2928 for 12-in. 2928-2940 for 12-in. 2940-2952 for 12-in. 2952-2964 for 12-in. 2964-2976 for 12-in. 2976-2988 for 12-in. 2988-3000 for 12-in. 3000-3012 for 12-in. 3012-3024 for 12-in. 3024-3036 for 12-in. 3036-3048 for 12-in. 3048-3060 for 12-in. 3060-3072 for 12-in. 3072-3084 for 12-in. 3084-3096 for 12-in. 3096-3108 for 12-in. 3108-3120 for 12-in. 3120-3132 for 12-in. 3132-3144 for 12-in. 3144-3156 for 12-in. 3156-3168 for 12-in. 3168-3180 for 12-in. 3180-3192 for 12-in. 3192-3204 for 12-in. 3204-3216 for 12-in. 3216-3228 for 12-in. 3228-3240 for 12-in. 3240-3252 for 12-in. 3252-3264 for 12-in. 3264-3276 for 12-in. 3276-3288 for 12-in. 3288-3300 for 12-in. 3300-3312 for 12-in. 3312-3324 for 12-in. 3324-3336 for 12-in. 3336-3348 for 12-in. 3348-3360 for 12-in. 3360-3372 for 12-in. 3372-3384 for 12-in. 3384-3396 for 12-in. 3396-3408 for 12-in. 3408-3420 for 12-in. 3420-3432 for 12-in. 3432-3444 for 12-in. 3444-3456 for 12-in. 3456-3468 for 12-in. 3468-3480 for 12-in. 3480-3492 for 12-in. 3492-3504 for 12-in. 3504-3516 for 12-in. 3516-3528 for 12-in. 3528-3540 for 12-in. 3540-3552 for 12-in. 3552-3564 for 12-in. 3564-3576 for 12-in. 3576-3588 for 12-in. 3588-3600 for 12-in. 3600-3612 for 12-in. 3612-3624 for 12-in. 3624-3636 for 12-in. 3636-3648 for 12-in. 3648-3660 for 12-in. 3660-3672 for 12-in. 3672-3684 for 12-in. 3684-3696 for 12-in. 3696-3708 for 12-in. 3708-3720 for 12-in. 3720-3732 for 12-in. 3732-3744 for 12-in. 3744-3756 for 12-in. 3756-3768 for 12-in. 3768-3780 for 12-in. 3780-3792 for 12-in. 3792-3804 for 12-in. 3804-3816 for 12-in. 3816-3828 for 12-in. 3828-3840 for 12-in. 3840-3852 for 12-in. 3852-3864 for 12-in. 3864-3876 for 12-in. 3876-3888 for 12-in. 3888-3900 for 12-in. 3900-3912 for 12-in. 3912-3924 for 12-in. 3924-3936 for 12-in. 3936-3948 for 12-in. 3948-3960 for 12-in. 3960-3972 for 12-in. 3972-3984 for 12-in. 3984-3996 for 12-in. 3996-4008 for 12-in. 4008-4020 for 12-in. 4020-4032 for 12-in. 4032-4044 for 12-in. 4044-4056 for 12-in. 4056-4068 for 12-in. 4068-4080 for 12-in. 4080-4092 for 12-in. 4092-4104 for 12-in. 4104-4116 for 12-in. 4116-4128 for 12-in. 4128-4140 for 12-in. 4140-4152 for 12-in. 4152-4164 for 12-in. 4164-4176 for 12-in. 4176-4188 for 12-in. 4188-4200 for 12-in. 4200-4212 for 12-in. 4212-4224 for 12-in. 4224-4236 for 12-in. 4236-4248 for 12-in. 4248-4260 for 12-in. 4260-4272 for 12-in. 4272-4284 for 12-in. 4284-4296 for 12-in. 4296-4308 for 12-in. 4308-4320 for 12-in. 4320-4332 for 12-in. 4332-4344 for 12-in. 4344-4356 for 12-in. 4356-4368 for 12-in. 4368-4380 for 12-in. 4380-4392 for 12-in. 4392-4404 for 12-in. 4404-4416 for 12-in. 4416-4428 for 12-in. 4428-4440 for 12-in. 4440-4452 for 12-in. 4452-4464 for 12-in. 4464-4476 for 12-in. 4476-4488 for 12-in. 4488-4500 for 12-in. 4500-4512 for 12-in. 4512-4524 for 12-in. 4524-4536 for 12-in. 4536-4548 for 12-in. 4548-4560 for 12-in. 4560-4572 for 12-in. 4572-4584 for 12-in. 4584-4596 for 12-in. 4596-4608 for 12-in. 4608-4620 for 12-in. 4620-4632 for 12-in. 4632-4644 for 12-in. 4644-4656 for 12-in. 4656-4668 for 12-in. 4668-4680 for 12-in. 4680-4692 for 12-in. 4692-4704 for 12-in. 4704-4716 for 12-in. 4716-4728 for 12-in. 4728-4740 for 12-in. 4740-4752 for 12-in. 4752-4764 for 12-in. 4764-4776 for 12-in. 4776-4788 for 12-in. 4788-4800 for 12-in. 4800-4812 for 12-in. 4812-4824 for 12-in. 4824-4836 for 12-in. 4836-4848 for 12-in. 4848-4860 for 12-in. 4860-4872 for 12-in. 4872-4884 for 12-in. 4884-4896 for 12-in. 4896-4908 for 12-in. 4908-4920 for 12-in. 4920-4932 for 12-in. 4932-4944 for 12-in. 4944-4956 for 12-in. 4956-4968 for 12-in. 4968-4980 for 12-in. 4980-4992 for 12-in. 4992-5004 for 12-in. 5004-5016 for 12-in. 5016-5028 for 12-in. 5028-5040 for 12-in. 5040-5052 for 12-in. 5052-5064 for 12-in. 5064-5076 for 12-in. 5076-5088 for 12-in. 5088-5100 for 12-in. 5100-5112 for 12-in. 5112-5124 for 12-in. 5124-5136 for 12-in. 5136-5148 for 12-in. 5148-5160 for 12-in. 5160-5172 for 12-in. 5172-5184 for 12-in. 5184-5196 for 12-in. 5196-5208 for 12-in. 5208-5220 for 12-in. 5220-5232 for 12-in. 5232-5244 for 12-in. 5244-5256 for 12-in. 5256-5268 for 12-in. 5268-5280 for 12-in. 5280-5292 for 12-in. 5292-5304 for 12-in. 5304-5316 for 12-in. 5316-5328 for 12-in. 5328-5340 for 12-in. 5340-5352 for 12-in. 5352-5364 for 12-in. 5364-5376 for 12-in. 5376-5388 for 12-in. 5388-5400 for 12-in. 5400-5412 for 12-in. 5412-5424 for 12-in. 5424-5436 for 12-in. 5436-5448 for 12-in. 5448-5460 for 12-in. 5460-5472 for 12-in. 5472-5484 for 12-in. 5484-5496 for 12-in. 5496-5508 for 12-in. 5508-5520 for 12-in. 5520-5532 for 12-in. 5532-5544 for 12-in. 5544-5556 for 12-in. 5556-5568 for 12-in. 5568-5580 for 12-in. 5580-5592 for 12-in. 5592-5604 for 12-in. 5604-5616 for 12-in. 5616-5628 for 12-in. 5628-5640 for 12-in. 5640-5652 for 12-in. 5652-5664 for 12-in. 5664-5676 for 12-in. 5676-5688 for 12-in. 5688-5700 for 12-in. 5700-5712 for 12-in. 5712-5724 for 12-in. 5724-5736 for 12-in. 5736-5748 for 12-in. 5748-5760 for 12-in. 5760-5772 for 12-in. 5772-5784 for 12-in. 5784-5796 for 12-in. 5796-5808 for 12-in. 5808-5820 for 12-in. 5820-5832 for 12-in. 5832-5844 for 12-in. 5844-5856 for 12-in. 5856-5868 for 12-in. 5868-5880 for 12-in. 5880-5892 for 12-in. 5892-5904 for 12-in. 5904-5916 for 12-in. 5916-5928 for 12-in. 5928-5940 for 12-in. 5940-5952 for 12-in. 5952-5964 for 12-in. 5964-5976 for 12-in. 5976-5988 for 12-in. 5988-6000 for 12-in. 6000-6012 for 12-in. 6012-6024 for 12-in. 6024-6036 for 12-in. 6036-6048 for 12-in. 6048-6060 for 12-in. 6060-6072 for 12-in. 6072-6084 for 12-in. 6084-6096 for 12-in. 6096-6108 for 12-in. 6108-6120 for 12-in. 6120-6132 for 12-in. 6132-6144 for 12-in. 6144-6156 for 12-in. 6156-6168 for 12-in. 6168-6180 for 12-in. 6180-6192 for 12-in. 6192-6204 for 12-in. 6204-6216 for 12-in. 6216-6228 for 12-in. 6228-6240 for 12-in. 6240-6252 for 12-in. 6252-6264 for 12-in. 6264-6276 for 12-in. 6276-6288 for 12-in. 6288-6300 for 12-in. 6300-6312 for 12-in. 6312-6324 for 12-in. 6324-6336 for 12-in. 6336-6348 for 12-in. 6348-6360 for 12-in. 6360-6372 for 12-in. 6372-6384 for 12-in. 6384-6396 for 12-in. 6396-6408 for 12-in. 6408-6420 for 12-in. 6420-6432 for 12-in. 6432-6444 for 12-in. 6444-6456 for 12-in. 6456-6468 for 12-in. 6468-6480 for 12-in. 6480-6492 for 12-in. 6492-6504 for 12-in. 6504-6516 for 12-in. 6516-6528 for 12-in. 6528-6540 for 12-in. 6540-6552 for 12-in. 6552-6564 for 12-in. 6564-6576 for 12-in. 6576-6588 for 12-in. 6588-6600 for 12-in. 6600-6612 for 12-in. 6612-6624 for 12-in. 6624-6636 for 12-in. 6636-6648 for 12-in. 6648-6660 for 12-in. 6660-6672 for 12-in. 6672-6684 for 12-in. 6684-6696 for 12-in. 6696-6708 for 12-in. 6708-6720 for 12-in. 6720-6732 for 12-in. 6732-6744 for 12-in. 6744-6756 for 12-in. 6756-6768 for 12-in. 6768-6780 for 12-in. 6780-6792 for 12-in. 6792-6804 for 12-in. 6804-6816 for 12-in. 6816-6828 for 12-in. 6828-6840 for 12-in. 6840-6852 for 12-in. 6852-6864 for 12-in. 6864-6876 for 12-in. 6876-6888 for 12-in. 6888-6900 for 12-in. 6900-6912 for 12-in. 6912-6924 for 12-in. 6924-6936 for 12-in. 6936-6948 for 12-in. 6948-6960 for 12-in. 6960-6972 for 12-in. 6972-6984 for 12-in. 6984-6996 for 12-in. 6996-7008 for 12-in. 7008-7020 for 12-in. 7020-7032 for 12-in. 7032-7044 for 12-in. 7044-7056 for 12-in. 7056-7068 for 12-in. 7068-7080 for 12-in. 7080-7092 for 12-in. 7092-7104 for 12-in. 7104-7116 for 12-in. 7116-7128 for 12-in. 7128-7140 for 12-in. 7140-7152 for 12-in. 7152-7164 for 12-in. 7164-7176 for 12-in. 7176-7188 for 12-in. 7188-7200 for 12-in. 7200-7212 for 12-in. 7212-7224 for 12-in. 7224-7236 for 12-in. 7236-7248 for 12-in. 7248-7260 for 12-in. 7260-7272 for 12-in. 7272-7284 for 12-in. 7284-7296 for 12-in. 7296-7308 for 12-in. 7308-7320 for 12-in. 7320-7332 for 12-in. 7332-7344 for 12-in. 7344-7356 for 12-in. 7356-7368 for 12-in. 7368-7380 for 12-in. 7380-7392 for 12-in. 7392-7404 for 12-in. 7404-7416 for 12-in. 7416-7428 for 12-in. 7428-7440 for 12-in. 7440-7452 for 12-in. 7452-7464 for 12-in. 7464-7476 for 12-in. 7476-7488 for 12-in. 7488-7500 for 12-in. 7500-7512 for 12-in. 7512-7524 for 12-in. 7524-7536 for 12-in. 7536-7548 for 12-in. 7548-7560 for 12-in. 7560-7572 for 12-in. 7572-7584 for 12-in. 7584-7596 for 12-in. 7596-7608 for 12-in. 7608-7620 for 12-in. 7620-7632 for 12-in. 7632-7644 for 12-in. 7644-7656 for 12-in. 7656-7668 for 12-in. 7668-7680 for 12-in. 7680-7692 for 12-in. 7692-7704 for 12-in. 7704-7716 for 12-in. 7716-7728 for 12-in. 7728-7740 for 12-in. 7740-7752 for 12-in. 7752-7764 for 12-in. 7764-7776 for 12-in. 7776-7788 for 12-in. 7788-7800 for 12-in. 7800-7812 for 12-in. 7812-7824 for 12-in. 7824-7836 for 12-in. 7836-7848 for 12-in. 7848-7860 for 12-in. 7860-7872 for 12-in. 7872-7884 for 12-in. 7884-7896 for 12-in. 7896-7908 for 12-in. 7908-7920 for 12-in. 7920-7932 for 12-in. 7932-7944 for 12-in. 7944-7956 for 12-in. 7956-7968 for 12-in. 7968-7980 for 12-in. 7980-7992 for 12-in. 7992-8004 for 12-in. 8004-8016 for 12-in. 8016-8028 for 12-in. 8028-8040 for 12-in. 8040-8052 for 12-in. 8052-8064 for 12-in. 8064-8076 for 12-in. 8076-8088 for 12-in. 8088-8100 for 12-in. 8100-8112 for 12-in. 8112-8124 for 12-in. 8124-8136 for 12-in. 8136-8148 for 12-in. 8148-8160 for 12-in. 8160-8172 for 12-in. 8172-8184 for 12-in. 8184-8196 for 12-in. 8196-8208 for 12-in. 8208-8220 for 12-in. 8220-8232 for 12-in. 8232-8244 for 12-in. 8244-8256 for 12-in. 8256-8268 for 12-in. 8268-8280 for 12-in. 8280-8292 for 12-in. 8292-8304 for 12-in. 8304-8316 for 12-in. 8316-8328 for 12-in. 8328-8340 for 12-in. 8340-8352 for 12-in. 8352-8364 for 12-in. 8364-8376 for 12-in. 8

LIVE STOCK



Enforcement of the Twenty-Eight-Hour Law.

A controversy has arisen between some of the railroads of the country and the larger live stock shippers in regard to the space in the cars which must be afforded animals in transit from one state to another in order to make unloading unnecessary and still comply with the twenty-eight hour law. This law provides that when the animals are carried in cars "in which they can and do have proper food, water, space, and opportunity to rest" they shall not be required to be unloaded. The Department of Agriculture has been appealed to by both railroads and shippers, and today the position of the Department is tentatively announced as follows:

If cars are not loaded beyond the minimum weight fixed by the tariffs, the Department will not, for the present, raise the question as to whether sufficient space is provided for the animals to rest; but railroads which load beyond the minimum and do not unload for rest will have to take their chances of prosecution in the courts.

It is the intention of the Department to institute a number of test cases and secure rulings from the federal courts as to what space must be afforded. It is claimed by the Department that this is the only course open, since no power is given the Secretary of Agriculture by the law to make rulings and regulations regarding space to be afforded in cars.

In all cases where live stock is not unloaded en route "into properly equipped pens for rest, water and feeding" the cars must be provided with facilities for feeding and watering in transit, and live stock must, when so fed and watered, receive proper feed and water.

Hog Breeding for Results.

Perhaps there has not been a time in recent years when hog breeding attracted or deserved so much attention as the present. Most intelligent farmers admit the value of pure bred stock for both breeding and market purposes, though there are some who feel that pedigreed animals are not necessary where the production of market hogs is the principal object sought.

It is very frequently stated and firmly believed by breeders and farmers that the results obtained from cross breeding are superior to those attained in any other way where a market hog is the object. It is believed firmly that the crossing of pure bred animals of one breed upon another will beget the finest possible type of modern hog. It is believed that this cross results in a better market hog than can be produced by animals of any one breed no matter what their ancestry or how well they may be mated. The advocates of this cross breeding method of pork production are always ready to admit, however, that the first generation only is valuable, and that any attempt to continue this line of breeding results in deterioration or even in disaster.

The point to the whole argument seems to lie in the fact that the crossing of breeds shows its results more in the infusion of new blood than in anything else. It can unquestionably be demonstrated that the selection of proper types of breeding animals that are not in any way related to each

other, but that belong to the same breed, will result in producing just as good market hogs as will any possible efforts at cross breeding. This being true, the advantages are all with the pure breeds. The choicest animals of each litter from pure bred parents can be retained or sold for breeding purposes, while the inferior ones or those that are simply off in color or markings can be fed for the pork barrel. This latter can and will result in just as much profit as can possibly be made from any cross breeding, and the second generation has not started toward rapid deterioration as is sure to be the case with cross bred animals.

The Director of the Texas Experiment Station gives his opinion on stock raising as follows: "Stock raising is like manufacturing industries, each successful enterprise stimulates another. He who contributes to cattle raising indirectly aids hog raising, and the care of good stock of any kind promotes better methods in general farming. So that the cattle feeder who feeds his cattle and is not dependent entirely upon grass, even at the mercy of the drouth and the blizzard, contributes to general agriculture."

In spite of the current belief in the shortage of hogs Brown county, Kansas, has a large supply. In fact, the writer saw more hogs in this county during a recent visit than he has seen in any other county. Many of them are pure bred and most of them show the influence of good blood.

One farmer reports that he drives his fattening hogs over the scales once a week and also weighs the feed he has given them during this time. In this way he knows just what they are doing for him and whether they are making or losing money. If the former he knows whether they are doing their best and if the latter he hunts for the cause. This don't take much time and does pay.

EVERY HAY GROWER Should Get This Great Free Book!

This valuable book—written by a man of 25 years' experience in hay—is full of live pointers. It tells how to save 20 per cent of cost of baling—how to make smooth, neat bales.

Save 20 Per Cent of Baling Cost by using an Auto-Fedan Hay Press. We will prove this saving over any other press, right on your own ground, or take back the machine, paying freight both ways. Only two men required to run it. Three-stroke, self-feed, easy draft. Send for free book today.

THE AUTO-FEDAN HAY PRESS CO.,
1564 W. Twelfth St. Kansas City, Mo.

ONE-MAN HAY PRESS

ONE OR TWO-HORSE, AND GASOLINE BELT POWER.



Self-Feeder, Self-Threader and Knotter. All Steel, full circle. We guarantee 1 ton an hour with ONE MAN to operate it. 1 1/2 tons an hour, two men. We sell on FREE trial. TUTTLE HAY PRESS, 621 S. Adams St., Kansas City, Mo.

FREE 30 DAY TRIAL BARREN MARE IMPREGNATOR

Eight out of ten barren mares impregnated first service. Price \$5. Guaranteed. Breeding Outfits, Service Books, Vigor Tablets for Sows, Jacks, etc. Write for 16-page Stallion and Jack Journal—free.

DR. CHAS. L. REA
Dept. I, Kansas City, Mo.

Cushman Farm and Binder Engine

The light weight wonder of the engine world. 3 full, powerful H. P. yet weighs only 165 pounds. Runs from 1/4 to 3 H. P. and automatic governor cuts down fuel in proportion. The engine that's famous—not only for light weight, but also because it's the easiest to start, smoothest, quietest running and steadiest. Easily attached to binder by special brackets. Saved the wheat for thousands last year. Especially valuable for cream separator and other small farm machines because it's so easy-starting and steady-running. Don't wait! Address postal to CUSHMAN MOTOR WORKS, 2031 N Street Lincoln Nebraska

Too Late for Him But Not Too Late for You

Your property may never have been struck by lightning, but that is no sign that it never will be. The danger exists every time a storm comes up. Why not secure **guaranteed protection** now? Find out about **good lightning conductors**—what it would cost to rod your house and barns. We will tell you and send a book that covers the subject thoroughly. Ask for "The Laws of Lightning." It's Free.

National Flat Cable

(Patent Pending)

woven flat, of pure copper wire, fills all the scientific requirements of a **good lightning conductor**. The flat construction gives great conducting surface, thus increasing efficiency. Joints are done away with; also tendency to side flash and induced current.

All National Cable is made of pure soft copper—the best conducting metal (except silver) and every one we install, whether flat or round, is fully guaranteed. *The Little National Tag Protects You. Look for it.*

Our Men are Experts

Proper installation is as important as the conductor itself. Seemingly trivial matters, like failure to connect up a nearby pipe, pump or the telephone, will often result in extensive damage.

Every dealer who handles National Cable is an expert, thoroughly schooled by us, and not a foot of National Cable is ever put up by a man not fully qualified to install it properly.

The **National Lightning Arrestor** (patent applied for) is entirely automatic in its action and is so made that the rain cannot work into it and thus short-circuit your telephone.

When you buy a lightning conductor, **permanent protection** is what you pay for. Why not get it? Insist on National Cable and you will insure your safety. Cheap, unknown, unbranded makes are dangerous. Don't experiment when so much is at stake.

Our rod fulfills all requirements of the U. S. Government, and is approved by the highest scientific authorities—your assurance of its merits.

Fill Out the Coupon Now.

No obligation. We will send you "The Laws of Lightning," free.

We want a reliable representative in a few open territories.

National Cable & Mfg. Co.
53 Cable St. NILES, MICH.

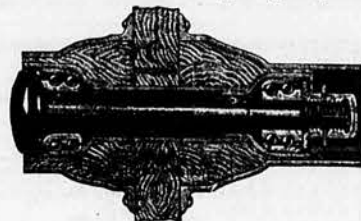
Name.....
Address.....

National Cable & Mfg. Co.

53 Cable Street Niles, Mich.

Without obligation to me kindly send the "Laws of Lightning," and tell me what it would cost to rod my buildings. (Give dimensions of all buildings.)

WHY GREASE A BUGGY?



When this dirty, disagreeable duty can be definitely dispensed with by using

CRESCENT Ball-Bearing Axles
SAVES Grease, Grain, Garments, Draft, Drain and Drudgery.

Warranted for three years, wheels need not be removed but once during that period and no wear will then be shown. Thousands in use for years. Sold by dealers throughout the United States. Also made in sizes for Farm and Delivery Wagons and Drays. Don't buy a vehicle of any kind without it. Much cheaper in the long run than O. S. Axles. No greasy hubs—no rattle—no washers used.

DESCRIPTIVE CIRCULARS SENT ON APPLICATION

EVANS-COPPINS & STARKS CO., DEPT. D Princeton, Ill.

HOLLAND STOCK FARM

Importers and Breeders of

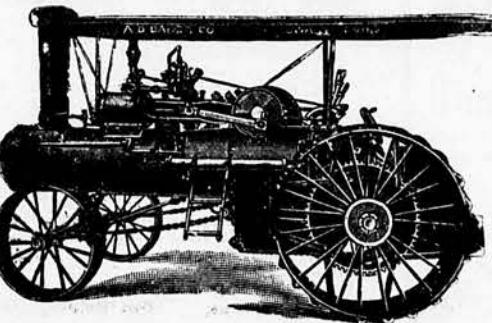
Percheron and German Coach Stallions and Mares

Do You Want to Buy a Stallion for Cash; Go to the Holland Stock Farm.

CHAS. HOLLAND, Prop. SPRINGFIELD, MO

Write Us For Catalog of the FAMOUS

Baker Plow and Threshing Engines



They will develop more power on less fuel and water than any other engine built.

We Are Manufacturers of the **PRAIRIE QUEEN SEPARATOR**

The HARD WHEAT SPECIAL. I will save a greater per cent to the grain than any other separator on the market today.

We can deliver separators and engines on short notice.

The Prairie Queen Mfg. Co., Newton, Kan.

HERE'S THE MILL THAT FEARS NO WIND-STORM

LET us send you all the facts about this wonderful windmill. It's absolutely self-regulating to all wind-storms. The wings open up automatically so winds go right through in storms that would break all others or blow towers down. There's no danger of this mill carrying down your tower. And it requires less attention than any other mill made. Oil only once a year. Our automatic grease cups furnish proper lubrication for twelve full months. Remember, this is the mill that

Is Absolutely Self-Regulating

It runs smoothly and evenly. No noise in light or heavy winds. Vaneless. No slamming of vane against wheel. Works better in light winds than other mills. No jar when coming into or going out of wind. Costs less at start and practically nothing for repairs during a lifetime's service. More powerful than others. No side-draft and little down-draft. Fully guaranteed in every way. The

Althouse-Wheeler Vaneless Windmill

is the mill that insures proper service in all winds and weather. Nothing to break or wear out. Best materials and workmanship. Tested and rigidly inspected before leaving factory. Backed by over 40 years perfect service on thousands of farms, and you are further protected by our liberal guarantee. Send postal now for full information or ask your dealer for interesting Free Book. Address

THE ALTHOUSE-WHEELER CO.
2 Jefferson Street WAUPUN, WIS.



Here's How The A. W. Fools The Wind-Storm

Changes in Some Soils Caused by Cultivation.

The Nebraska Experiment Station has been making some investigations in the line of determining the amount of soil depletion by present methods of farming. These were confined to the deep, heavy loam soils that are common to many parts of the North-west.

A recent bulletin gives the results of the analysis of many samples of soil taken at different depths from the surface inch to the sixth foot. It also shows the composition of the surface soil of prairie fields compared with that of adjacent long cultivated fields the history of which is known.

It would appear from the analyses that the only form of plant food that has as yet shown a diminution sufficient to be detected by chemical analysis is nitrogen. The only important soil constituents, whether used as plant food or not, that have declined appreciably after thirty to fifty years of cultivation, are the nitrogen and organic matter. These two constituents rise and fall together. They decrease rapidly in amount from the surface downward. Accordingly the washing away or blowing away of the surface soil will make the soil poorer

in these constituents. The greatest losses in the past have been caused by washing or blowing. The content of the other forms of plant food is rather higher in the sub-soil than in the surface soil, and, accordingly, is not injuriously affected by the removal of surface soil.

To maintain the surplus of nitrogen and organic matter, it will be necessary to prevent the removal of surface soil by wind or water in so far as possible. Further, the burning of straw and stalks should be avoided and all barnyard manure should be returned to the land. Even if these precautions be observed there will be a steady decline in the cultivated fields unless legumes (clover or alfalfa) be grown or the produce of other fields be fed and the manure applied. By growing clover or alfalfa the nitrogen and organic matter may be increased at the same time that a profitable crop is obtained.

Pick the breeding gilts before they are weaned and then give them special care and training for their life work. The business of a brood sow is to produce good pigs and plenty of them, and she can be fitted for this work by proper care and feeding.



Rape in the Feed Lots.

On the farm everything counts. Every crop, every animal, every tree as well as every human being has an influence either in the actual production of money, in a saving of that which has been produced or in that building for the future which we call conservation.

Under present conditions, when farming has become more nearly a science, much depends upon economy in management. Investments for land, live stock and equipment are heavy, running expenses are high and the margin between cost and selling price is not wide. It is not wise to depend upon prices for farm products getting higher or even maintaining their present level. The wise man is he

who seeks to reduce the cost of production while he takes advantage of better selling prices. In doing this he makes money both ways.

One of the little economies that are always possible on the farm is illustrated by the accompanying picture, which shows a feed lot on the Agricultural College farm which has been sowed to rape. After the cattle and hogs have been turned out to pasture in the spring the feed lots may be plowed up and sowed to rape for use as a later pasture for hogs. This will benefit the feed lots by stirring up and sweetening the surface and will be very profitable for the hogs who will thus have an abundance of succulent feed at a time when the pasture is likely to become dry and less available to their needs.

Look for Name Iwan Here!

Beware of any auger called an "Iwan Pattern" unless the full name "Iwan Bros. South Bend, Ind." is stamped in the handle casting. The market is being flooded with cheaply made imitations by small manufacturers who are trying to profit by the well-advertised name and well-earned reputation of "Iwan." Protect yourself against these inferior augers—look for the full name and get full value.

Iwan Post Hole Auger

The Iwan Post Hole and Well Auger does away with aches and blisters and pays for itself in two days' time by the labor it saves. It digs a 3-foot post hole in three minutes in wet or dry hard-pans, solid clay, gumbo or gravel. With our cheap pipe extension it digs a 40 to 60-foot well in a day. It works on a scientific principle along lines of least resistance. Lasts a lifetime. Keeps sharp for years. Money back if not satisfactory.

Ask your dealer or write us, mentioning his name, and we will send you FREE our interesting booklet, "Easy Digging," full of valuable tips on digging methods.

IWAN BROS., Dept. G

The use of the name Iwan in any connection whatever with a post hole auger or digger not made by Iwan Bros., South Bend, Ind., lays the user liable to prosecution.



LAWN FENCE
Many Styles. Sold on trial at wholesale prices. Save 20 to 30 per cent. Illustrated Catalogue free. Write today: **KITSELMAN BROS.** Box 399 Muncie, Indiana.

14c. a Rod
for 24-inch dog fence. Send for catalogue showing many styles. Save freight by buying nearer home. The Ottawa Mfg. Co. 702 King St., Ottawa, Kansas.

FITZ OVERALLS
Fitz Overalls are made by honest women in a modernly equipped and sanitary factory. These garments are not in a class with the little pinched up Overalls made in disreputable sweat shops by mercenary contractors who draw their profits from the ignorance of emigrants, nor are they made in the penitentiary by convicts. You can tell the difference between sweatshops and penitentiary made Overalls as compared with Fitz Overalls, because Fitz Overalls are larger and stronger. Write for free booklet. **Barnham, Hanna-Munger D. G. Co., Kansas City, Mo.**

WINDMILL INSURANCE

WHAT'S the use of wasting good money on a windmill outfit for the wind to down when you can just as easily, and for about the same price, buy an outfit which its manufacturers, for a nominal fee, will insure for five years against tornadoes, cyclones, run-away teams—in fact against anything and everything except willful act or willful neglect.

The Goodhue Windmill is the only windmill made that is so insured, because the Goodhue is a windmill that is built right. A postal card will bring you the proof and a free book in which you will find more practical information about windmills than can be obtained from any other source. **WRITE TODAY.**

APPLETON MFG. CO.
19 Fargo St., Batavia, Ill., U.S.A.



Get This \$75,000 Protection FREE!



Bond of W. C. Shinn

when you consider that a single flash of lightning may wipe out a lifetime's savings. Act today! Your dealer will be glad to show you the wonderful 1910

Shinn Heavy Pure Copper Cable Lightning Rod

Thousands of farm homes and buildings are forever protected by Shinn Rods—the only special process, reliable, guaranteed rod in existence! It is three standard lightning rods in one! Three cables made up of strong strands give maximum electrical carrying power—that's Shinn 1910 rod—the greatest possible conductivity at the lowest price of any rod on the market today!

Your Vane Your Business Card!

Vanes used on Shinn Rods are beauties—famous the world over. The 1910 vanes are the height of perfection—better than ever! What do you raise—poultry, stock, horses, sheep, pigs? Pick out handsome vanes to suit your business—on your buildings they're your business cards! See our new horse vane—a perfect reproduction of the famous imported coach horse "Sequah." It's the most beautiful vane ever built, and is covered with pure gold leaf.

Telephone Users, Read This!

Country telephones are safe at last! Get Shinn Telephone Lightning Arrester at your dealer's. Have him adjust it on the outer wall of your home. Then you are absolutely safe in using the phone during the worst storms! And your

home is absolutely fortified against damage by fire caused by lightning entering the phone. No bolt that leaps five miles from sky to earth is going to stop at the little gap that the mica fuse in the phone causes! To be safe you must have the Shinn Lightning Arrester on the house—and as it is perfectly grounded it is equal to the telephone wires coming from the ground into your house, which you know would be perfectly safe. That's why telephone manufacturers want you to use Shinn Arresters to protect your homes.

W. C. Shinn's legally binding guarantee, backed by a \$75,000 bond taken out by Mr. Shinn, goes FREE with every Shinn Heavy Pure Copper Cable Lightning Rod equipment!

When your home and buildings are protected by Shinn Rods you are practically insured forever against lightning. That's our 1910 offer!

Neither you nor any farmer can afford to overlook this opportunity



Shinn's Telephone Lightning Arrester

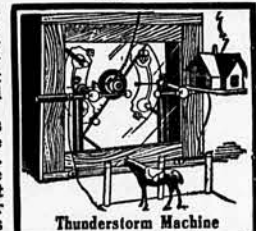
derstorm Machine. It shows just how and why lightning strikes and how Shinn Rods protect your family and property.

If your dealer has no machine write us a postal card. By return mail we will tell you just what dealer in your territory has a machine. Please mention your dealer's name.

A Postal Brings You This FREE Book!

Mr. W. C. Shinn, the Conqueror of Lightning, has written a mighty interesting book—"Lightning and How to Control It." It tells plainly all nature's lightning laws in a fascinating way; how houses and barns take fire, and how people and stock are killed; why water drains, stoves and iron beds are very dangerous during thunder and lightning storms; explains fully how and why Shinn's Copper Cable Lightning Rods prevent strokes absolutely. This book is free for the asking.

W. C. SHINN, 361 N. 16th Street, Lincoln, Neb.



Thunderstorm Machine

Get Shinn Lightning Rods at Your Dealer's or Write Us Now

DAIRY



Keeping Records of Dairy Cows.

The business man of today who, with an investment of a few thousand dollars, would conduct his business as the average farmers are doing theirs would soon find himself on the verge of bankruptcy. Instead, however, he adopts measures of business principle that enable him at any stated period to point directly to that factor that has made him a profit or that has entailed a loss, however small. How does he do this? What is his secret? System! System is the indicator of the whole process. So the farmer must have system in his work.

In the dairy business, more than in any other, there is greater individual variation of profit. In the same neighborhood with the same advantages of soil and market we often see one making a success, another a bare living, while a third may be running at a loss. It has been conservatively estimated that one-fourth of all the dairy cows in this country are kept at a loss, another fourth barely pay for their keep, while but a half show a profit. One has aptly termed the first and second classes boarders. Are half your cows boarders? Can you say that if half your cows were sold to the butcher you would not make more money with what you would have left than you do now? How, then, are you to determine which are the boarders? System! Systematize the methods under which your cows are working for you. This can be done only by keeping accurate record sheets of the production of each cow and of the value of that cow's milk. The intelligent use of the milk scales and of the Babcock test will furnish all the information necessary to cull out the boarders for the butcher.

I hear some one say, "I know the cows in my herd that are the best milkers and I can tell a good cow when I milk her a few times." No doubt you can in a general way, but you can't tell how good or how poor she is without an accurate record of her production and a careful individual record of the weight and fat value of your cows' milk will be a surprise party to you and your judgment.

There is absolutely not a single argument against the practice of keeping systematic records of each cow's production, while there are many in its favor. Trouble and fuss? Not at all. It has been clearly shown on the farm that two minutes per day per cow every seventh week, or about an hour and 38 minutes per year per cow will do the weighing, sampling and recording. Expense? Small, compared with the value of the results. A complete outfit suitable for an ordinary dairyman can be secured for a few dollars, far less than the loss occasioned in a year by a single poor cow. Skill required to make the tests? Surely, yet not such but that an intelligent 12-year-old boy or girl can understand and make them accurately with a little practice. Those who sell outfits give minute and complete instructions in simple and plain language and our agricultural stations and the United States Department of Agriculture have bulletins on the subject for free distribution.

The keeping of dairy records enables the dairyman to recognize not only his unprofitable cows to be weeded out but also the profitable ones from which to breed in building up his herd. He is also enabled to keep tab on possible errors of the creamery as to his regular check. Besides this he will have information that will permit him to intelligently prepare rations that will bring the best results as well as to gain warning of approaching sickness and thus be put in a position to ward off the attack. While daily records are the best, especially as regards the weighing, a complete test at regular stated intervals is sufficient for a fairly accurate record of a cow's efficiency.

Keep individual records of your cows; fatten your boarders for the butcher; save only the progeny of your best producers; regulate your feed rations and give your cows the best of care; read up on dairy topics as found in the regular farm papers

and experiment station reports. And watch your records.—Geo. T. Babb, City Milk Inspector, Topeka, Kan.

Skim Milk the Key to Dairy Prosperity.

In his address before the Bakers' Institute in Milwaukee, Prof. E. G. Hastings of the Wisconsin College of Agriculture, successfully demonstrated how cottage cheese could be made from skim milk in 20 minutes, and from buttermilk in a few hours. He stated that 100 pounds of buttermilk will make from 12 to 15 pounds of cottage cheese, easily worth 5 cents a pound.

So far as the skim milk is concerned, the present outlet in the feeding of calves and pigs is all-sufficient. It is also the most profitable way of utilizing the skim milk, for it helps greatly to keep up the fertility of the farm, helps teach the farmer how to produce more and better cattle—something that is greatly needed.

There is a great superiority in the farming ability of a man who is an all around good live stock raiser over the farmer who is not. That man's profits are greater, the farm is richer, and the wealth of a community of such men is much greater. One of the most marked signs of the decay of farming ability in the East, in Southern Illinois and in the milk shipping districts everywhere, is the loss of what might be called "Young Stock Farming."

No one ever saw a farm with a good herd of cows, from the milk of which either butter or cream was made and the skim milk fed on the farm, with an abundance of calves, or pigs, or both, when that farm was not growing more fertile and productive. Furthermore, we never yet saw the farmer who followed that line, who did not constantly grow in knowledge and ability.

Let the opposite course be pursued, send the skim milk away from the farm, and down goes the farm and the average intelligence of the farm operator in farming questions, as well as that of the community in which it is practiced. There seems to be no escape from the action of this law. It is seen and demonstrated all the way from Illinois eastward. A farmer is compelled to be more intelligent with a lot of young stock about him or he suffers loss at once.

For this reason Hoard's Dairyman earnestly hopes to see the creamery districts in every state hold steadfast to buttermaking and the production of improved cattle and swine. The decline of the young stock industry was the fatal step to the future of the eastern farms. Its return will restore them again. Any scheme which robs the farm of the skim milk is destructive to the best welfare of both farm and farmer. It is the key to the situation.

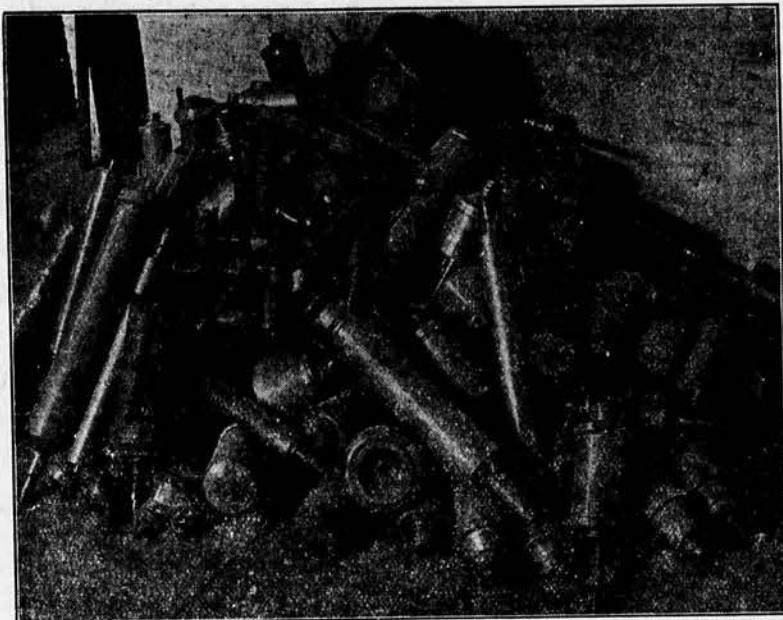
Creameries Grading Their Cream.

The speakers at dairy and creamerymen's meetings for several years past have been pounding it into the creamery operators that they ought to pay for the cream received according to its quality; the idea being that the creamery would thus receive a better grade of cream. But the creameries have wanted all the cream they could possibly get, so were slow to inaugurate a plan which might cause them to lose a patron or two, thinks the Jersey Bulletin. Now, however, a number of creameries are trying the idea, and practically all of them report that it is proving a success. Three grades are used in paying for the cream received; for first grade cream, New York "specials" is paid; second grade, New York "extras"; third grade, 4 cents less.

Good butter should be kept solid from the time it is molded until it is served on the table. Quality in the butter and a control of temperature alone can do this.

Always feed the calves on warm, fresh milk. That fresh from the hand separator is best as it retains the animal heat and contains all the food elements except the fat which can easily be restored by adding a small grain ration.

A JUNK PILE MOUNTAIN OF VERY EXPENSIVE CREAM SEPARATOR EXPERIENCE



(A sample pile of scrapped competitive separator bowls—the frames being broken up in the field to save freight on same.)

During the year 1909 more than 10,000 enlightened and disgusted American users of poor or wornout competitive makes of separators threw them aside and replaced them with new

DE LAVAL CREAM SEPARATORS

on top of 8,500 having done so in 1908, 7,000 in 1907 and 5,000 a year for several years before, or at least 50,000 within ten years.

If it were possible to put these 50,000 machines into one huge "junk pile," as they have in fact gone into a thousand "junk piles," it would make a veritable mountain of cream separator experience, as impressive as Pike's Peak and representative of as much costly acquired separator experience as though it were a great mine of gold or silver.

These 50,000 "near" and "just as good" cream separators cast aside to be replaced with De Laval machines within ten years, and so many of them within a couple of years, cost their users at least three and one-half millions of dollars in the first place and probably wasted three times that much in quantity and quality of product, excessive repairs and excessive time required to put the milk through them while they were used, or a total of at least fifteen millions of dollars, and more likely twenty-five millions.

What has happened in America in this way has in the same time been doubled throughout the rest of the world, so that the total aggregates twice as much, or perhaps fifty millions of dollars. And worse still, this accounts only for those users who have recognized the facts and remedied them. There are thousands more users of inferior separators who have yet to do so, and unfortunately some yet embarking anew on this expensive separator experience of their own.

These figures are monumental, but they deal with a problem of enormous importance to everyone who has cream to separate from milk, which the average man can better appreciate put in this collective way than he can when applied to himself alone, though it means exactly the same thing one way or the other.

The facts are all capable of proof to the man who cares to have them proved and who doesn't want to contribute at his own expense to this enormous and ever-increasing "junk pile" mountain of cream separator experience, or, better still, to the man who has been doing so and thinks it about time to stop.

To such owners we would say that the De Laval Company will this year continue its "trade allowances" for these old machines, because of the opportunity such exchanges afford in an educational way for the most practical illustration possible of the difference between good and poor separators, and thus putting a stop to the sale of others like them in the same neighborhood.

Any desired "trade allowance" information may always be had of the nearest De Laval local agent or of the Company directly.

THE DE LAVAL SEPARATOR CO.

165-167 Broadway
NEW YORK.
173-177 William St.,
MONTREAL

42 E. Madison St.,
CHICAGO.
14 & 16 Princess St.,
WINNIPEG.

Drumm & Sacramento Sts.
SAN FRANCISCO.
1016 Western Avenue
SEATTLE

THE NEW IMPERIAL AUTOMATIC WASHER

Emancipates the housewife from drudgery, satisfies the Daily Longing for an equal chance at life. Combining the good features of the Washboard and Steam Laundry, it charms our customers with its efficiency and makes possible our motto, "Not a Dissatisfied Customer." Price within the reach of all. Ask your dealer or write The Imperial Manufacturing Co., Main Office and Factory, Independence, Kan.

L. M. PENWELL

Funeral Director and
Licensed Embalmer..

511 QUINCY ST. TOPEKA, KAN.

THE GARNETT FAIR

Garnett, Kan.

SEPTEMBER 6 to 9

TROT.	
Free-for-all	\$100
Three-year-old	300
2:30	400
2:19	500
2:16	500
FACE.	
2:12	\$400
2:20	400
2:16	400
Free-for-all	400
RUNNING.	
Half mile heats	\$150
Mile and quarter	200
Mile heats	250

CONDITIONS—Entries close Monday, August 15, 1910. Entry fee 5 per cent of the purse and an additional 5 per cent of money winners. Money divided in all harness races 50, 25, 15 and 10 per cent. All harness races best 3 in 5, and unless sooner decided, end with fifth heat. Horses not standing for money at end of third heat, not permitted to start for fourth mile heats in harness races. Any horse distancing the field, or any part thereof, is entitled to one money only. Right reserved to change the order of the program, and also to declare off any races not finished by 4 p. m., Friday of week of meeting. One-half of the entrance fee refunded to starters finishing the race inside the flag and outside the money. Five to enter and four to start.

COL. C. E. BEAN,

SECRETARY.

PURE BRED POULTRY

BARRED ROCKS, 33 prems., Clay Center and Manhattan. Summer bargains. Eggs 15, \$1; 40, \$3; 100, \$4.50; chicks, 15c. Breeders and young chickens. Mrs. D. M. Gillespie, Clay Center, Kan.

BUFF ORPINGTONS—Breeding pens at half price in June. Small deposit right now secures your choice. Book tells all about them—sent for 10c. W. H. Maxwell, R. 95, Topeka, Kan.

SHELLEY BROS. BARRED ROCKS. Won 64 premiums at State and Central Kansas Shows and State Fair. Eggs and breeders half price in June. Satisfaction guaranteed. Circular free.

Elmdale, Box 7, Kansas.

D. W. YOUNG STRAIN Of S. C. White Leghorns, prize winners at three state shows. Eggs, \$1.50 for 16; \$6 per 160. Barred Rocks, "Ringlet" strain, \$2 for 16 eggs. Eggs packed with care.

C. H. McALLISTER, Oklahoma.

THE EGG SEASON IS ON. We are shipping every day from all the leading varieties of poultry, large flocks on free range; orders filled promptly. My own special egg crate used. Price \$6.00 per 100. M. B. turkey eggs \$2.25 per 9. Write for circular. Address

WALTER HOGUE, Nebraska.

WHITE PLYMOUTH ROCKS

(EXCLUSIVELY.)

For 18 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 per 15, or \$5.00 per 45, and I prepay expressage to any point in the United States.

THOMAS OWEN,

Station B, Topeka,

Kansas.

OIL Wholesale Price To Consumers

Combined best quality with low price. NO WATER IN MY KEROSENE OR GASOLINE.

XXX 46 gravity water white kerosene	\$4.25 for 52 gal. bbl.
XX 42 gravity kerosene (the kind usually sold)	3.75 for 52 gal. bbl.
XXX 64 gravity gasoline	7.50 for 52 gal. bbl.
1 case graphite axle grease (2 doz. 3 lb. pails)	\$3.50
40 gravity prime white stove distillate	3.25 for 52 gal. bbl.
38 gravity stove distillate	3.00 for 52 gal. bbl.
60 gallon (26 gauge) galvanized steel tank with pump and hood cover complete—a great convenience in every home	\$3.60

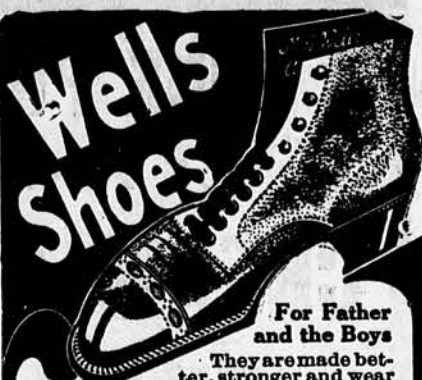
I also carry a full line of lubricating oils. I pay \$1.25 each for all barrels returned to me at refinery in good order, freight prepaid.

Send the money with your order.

Read my advertisement of crude and Stannard's Processed Oil in next week's issue of this paper.

C. A. STANNARD,

EMPORIA, KANSAS.



For Father and the Boys

They are made better, stronger and wear longer, because made by expert workmen, giving more comfort and satisfaction than any other shoe ever offered for the money.

If shod in WELLS' SHOES, you are "well shod"

FREE We have laid aside a very interesting booklet for every reader of this paper, entitled "Mother, Father and the Children." Yours is waiting for you—send for it today.

Whenever this name appears on the sole—it is your guarantee that the shoe, whether for men, women or children, is all leather, no substitutes, embodying style, service and comfort. If your dealer can't supply you, you will be rewarded by writing the

M. D. Wells Company Chicago

Ask Your Dealer

Harness Shop

A \$3,000 stock of new goods will sell at cost and carriage. A good location in a busy town of 4,000. Only two shops in town. For particulars write

TRUMBLY & BARRETT, Ponca City, Okla.

GREAT WOOD PRESERVER

The high cost of lumber now makes it necessary to preserve wood from rot, early decay and worms. AVENARIUS CARBOLINEUM Registered doubles the life of wood. Guaranteed 30 yrs. on market. Nice color. Ready for use. Easily applied. Freight prepaid. Write for circulars. Carbolineum Wood Preserving Co., Dept. 48 Milwaukee, Wis.

BARRED ROCKS.

High class show and utility stock. Pen eggs, \$3 per 15; \$5 per 30; utility, \$4 per 100. Send for circular. No stock for sale.

C. C. LINDAMOOD, Kansas.

BUFF COCHIN EGGS.

From high scoring birds; 15, \$1.50; 50, \$4.00.

MRS. L. O. HOUSEL, Kansas.

WHITE WYANDOTTE EGGS

For sale from six grand yards, scoring from 93 to 96 points. Send for catalog and prices.

E. E. BOWERS, Nebraska.

HAY-MAKING MADE EASY

The greatest labor-saving device for the farmer since the twine binder is the Weh-miller Self-Loading Hay Rack, with which anyone can drive a team, can load a large load of hay without other labor; no pitchfork or other tool is needed; nothing like it on the market; will work with any of the hay loaders now in use. Write us at once for free descriptive circulars.

WEH-MILLER MFG. CO., CLARINDA, IA.



POULTRY



Causes of Death of Young Chicks.

It has been often noted that a large number of incubator chicks die during the first ten days in the brooder from a looseness of the bowels, which is commonly known among poultry men as white diarrhoea. This trouble has been assigned to a variety of causes, among them being irregular temperature, lack of vitality of breeding stock, improper feeding, and poor ventilation not only of brooders but also of the rooms in which the incubators are kept. A committee of Ontario poultry experts after investigating the cause of this mortality among chicks in Ontario and New York concluded that the lack of ventilation was perhaps the most important of the determining factors.

The Connecticut Storrs Experiment Station has recently studied this question, being led thereto by the fact that nearly every chick died of 400 hatched in February in different incubators, while large numbers of chicks hatched before and after this date did not exhibit any of the fatal symptoms. Believing that food was an important factor in the problem, C. K. Graham, who carried on the work, fed several lots of chicks with different kinds of feed and noted that the mortality was high in whichever lot received one of the grain mixtures. Careful examination showed that this feed contained a fairly large percentage of musty grain, particularly corn. The young chicks ate all the grains indiscriminately, and their lack of ability to detect wholesome from unwholesome foods was further tested by giving them rations which contained such substances as sawdust, coarse salt, and granulated sugar. These materials were eaten as readily as the grains with which they were mixed. Indeed, "the salt and sugar were always selected first, apparently owing to their bright appearance; but as a rule the chicks did not appear to relish them."

When older chicks hatched by hens, and also those taken from the incubators and given to the hens, were offered these same mixtures, it was exceptional to find a chick that took over a grain or two of salt, sugar, or sawdust.

When musty feed was given to the older incubator chicks it was noticed that those which were eight or nine days old showed considerable discrimination in selecting the grain, while still older chicks refused even larger proportions of the musty kernels.

This forces the conclusion that many of the deaths among young chicks are caused by musty food, although there is no doubt that faulty brooders, chills, overheating, improper ventilation, and lack of vitality in the parent stock should all receive proper credit for their share.—From bulletin National Department of Agriculture.

Why Chicks Die in the Shell.

Everything seems to indicate that chicks die in the shell from toxemia. Those that die a short time after hatching, or before the yolk in the abdomen is all absorbed, succumb to toxemia, or from the absorption of toxins, elaborated by the germs while growing in the yolk.

Whenever a bacillus, which we have

termed B No. 9, gains access to the yolk, growth takes place under favorable temperatures and the result of this growth is injurious to the vitality of the chick. The questions naturally arise: Where does this germ come from? How does it gain access to the yolk? And what can be done to prevent it?

Eggs when laid do not contain B No. 9, but they may become infected and, these bacilli can easily pass through the shell. It is possible and highly probable that infection with B No. 9, occurs, in many cases by their entering the abdomen of the chick after it is released from the shell, and while the abdomen is moist at a point where the wall closes over the unabsorbed yolk, or what may be termed the umbilicus.

If the organisms gain access to the unabsorbed yolk through this channel, the conditions offered for its development are ideal and the toxins elaborated by its growth will, eventually, kill or permanently injure the chick. Therefore, fumigating incubators before placing eggs in them is a wise precaution.

Formaldehyde gas is very effective for fumigating the incubator and killing the bacilli, while it does not have any injurious effect upon the eggs or chicks. The plan which we adopted was to place in the incubator a pint glass jar containing 4 grams of permanganate of potash (small crystals) and 10 cubic centimeters formaldehyde.

Fumigation was done on a basis of 16 oz. formaldehyde of 40 per cent strength and 6½ oz. permanganate of potash to 1,000 cubic feet of air space. The cost of fumigating an incubator having an air space of 3.1 cubic feet is estimated at 1½ cents, and a brooder having an air space of 75 cubic feet, 7¼ cents.

Other incubators were fumed by placing a small dish of formaldehyde in them from the time of the first pipped egg until the hatch was completed and chicks removed. Although the incubators smelled very strongly of formaldehyde gas, which did not seem to injure the chicks in the least, and they turned out to be thrifty and hardy with a minimum loss from diarrhoea or from any other cause.—E. F. Pernot, Oregon Station.

Little chicks need feeding several times a day. Better feed often and a little at a time, rather than too much; for what is left over is generally soiled in a short while and becomes unfit to eat. They also ought to be fed very early in the morning. If you cannot get around at sunrise, you had better scatter some seeds in the litter of the brooder after the chicks have gone to rest and then they can get their breakfast the first thing in the morning.

It is a good plan to keep dry bran before the fowls at all times. They won't eat too much of it and it is a very good food and acts as a laxative. After chicks are a month old, bran can be placed before them to eat at their pleasure.

One reason of the non-fertility of eggs is lack of meat rations. This explains why the very first sittings of eggs hatch so poorly, while later, when insects are plenty, the hatches are good. If you cannot give the hens fresh meat or fresh ground bone, buy some dried beef scraps or beef meal. If you have plenty of skim-milk or buttermilk to give to your fowls it will take the place of the meat ration to a very great extent.

Some people think two or three dollars a setting for pure bred eggs to be an outrageous price. I wonder what they would think of seventy-five dollars per setting or five dollars per egg. That is the price paid recently to an Indiana breeder of White Wyandottes for fifteen eggs from a selected pen of prize winners. Two dollars each or thirty dollars per setting was the highest price before this new record.



READERS MARKET PLACE

HELP WANTED.

WANTED—ECONOMICAL AND PARTICULAR people to take advantage of our prices and services. Western Printing Co., Ptg. Dept. of Kansas Farmer, Topeka, Kansas.

WANTED—LOCAL MEN TO TAKE ORDERS for high grade western grown nursery stock. Experience unnecessary. Outfit free. Cash weekly. National Nurseries, Lawrence, Kan.

WANTED—GOOD, RELIABLE MEN TO sell nursery stock. We have a splendid proposition to offer. Write today. Ames Truitt & Sons, Nurserymen, Chanute, Kan.

WANTED—LADY OR GENTLEMAN AS local representative in every Kansas county. Splendid chance to make good wages without great effort and no expense. Write for particulars. Address Circulation Department, Kansas Farmer, Topeka, Kan.

WANTED—MEN TO LEARN THE BARBER trade; few weeks complete; practical instruction by experienced barbers who know their business and teach it as they know it; extra large outfit of tools given with reduced tuition price; wages while learning; diplomas granted; write for free catalog handsomely illustrated. Schwarze System of Barber Colleges, 80 W. California Ave., Oklahoma City, Okla.; Wichita, Kan.; El Paso, Texas; 15 E. 2nd St., Amarillo, Texas. Address any school.

REAL ESTATE.

SEVEN ROOM HOUSE, NATURAL GAS, city water, barn, 3 lots, west part of city. Will trade for small farm. Address E. D. Parr, 710 Clay St., Topeka, Kan.

WE CAN TRADE YOUR PROPERTY—Book of 500 exchanges free. Graham Brothers, Eldorado, Kan.

WRITE FOR LIST OF WHEAT, CORN and alfalfa lands in Rush county, in the center of the wheat belt. H. P. Scheneman, La Crosse, Kan.

KAY COUNTY, OKLAHOMA—CORN, wheat, oats and alfalfa farms. Call on or address Hull, Cullen & Van Winkle, Ponca City, Okla.

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

FOR FREE INFORMATION ABOUT L. A. BETTE Co., Kansas, farm lands and Parsons real estate, one of the best towns in Kansas, write W. C. King, Parsons, Kan.

FOR SALE AT A BARGAIN—320 ACRE farm only a mile from Abilene; good, rich land, well improved, fine location; will sell on favorable terms. Box 148, Independence, Iowa.

FOR SALE—120 ACRES, 6 MILES FORT Scott; fair improvements; smooth land, \$5,000. 250 acres, 1 mile town; good improvements, bottom land; no overflow. \$60 per acre. Many others. Geo. N. Balmum, Fort Scott, Kan.

FOR BARGAINS IN CORN, WHEAT and alfalfa land in the Marias Des Cygne Valley, also good grass land near market, reasonable prices. Write Richard Griffith, Reading, Kan.

CENTRAL MISSOURI FARMS—FOR corn, wheat, clover, blue grass farms that will prove profitable and satisfactory as homes and investments. Write for new list. Farms described and priced. Hamilton Realty Co., Box 1, Fulton, Mo.

The Weed Question.

EDITOR KANSAS FARMER:—On the editorial page of May 21st is an article about the destruction of noxious weeds, such as dandelions in particular. You recommend iron sulphate as a sure shot if applied right. Also, it not only kills weeds but helps grass. I have read another article that it kills white clover. If I remember right, there is a fair to good supply of dandelions on the state house grounds (maybe I am mistaken in this; if so

the state is fortunate). If so why not demonstrate what can be done right at headquarters, and report actual results? Your advice as to cooperation is timely, it is little use one fighting unless others do the same. When the seeds ripen in the towns at stations, etc., they stick to the feet of horses and to the wheels of wagons, and are carried home to commence a curse there. One mile south of me the road is lined with sweet clover, and the seeds wash down onto a nice

piece of meadow ground between my house and highway, over which I have to go two or three times during summer and with a spud dig them up. Now if these scattered plants are allowed to grow and cut them only when hay is made, they will seed around each parent plant, causing a thick growth that will choke the useful grass out. The man is unfortunate that has to resort to sweet clover for either feed or fertility. Now if the cost is not too high make certain what

can be done, so that those who may have pride enough to have a clean home may succeed.—W. M. Moore, Munden, Kan.

Your farm is just as good as you are and no better. It "takes after" you as the child does after the father.

Sanitary Hog Fountain.

Every breeder of swine finds that one of his hardest tasks is to keep plenty of water in his feed lots. The old way of doing it is to carry water and fill the troughs each day. Many times the hogs, in their eagerness to get a drink of water, overturn the troughs, thereby losing all the water the breeder has carried them. Hutchinson Tank Mfg. Co., Hutchinson, Kan., are placing on the market a Sanitary Water Fountain, which is made of heavy galvanized iron and built upon an iron sled. This



fountain is made in two sizes. One holds two barrels, and sells for \$20.00 (Twenty), the other holds four barrels and sells for \$25.00 (Twenty-five) F. O. B. Hutchinson. Now you can fill this fountain and haul it where you like. It lets the water down as fast as it is used, the water is kept clean at all times and there is no mud around the fountain. Besides being sanitary they are portable, reliable, automatic, troubleproof and dependable. Every hog breeder should have one. These tanks are guaranteed to give satisfaction or money refunded. We only sell to customers in Kansas. Write at once. HUTCHINSON TANK MFG. CO., Hutchinson, Kan.

Classified Advertising

3 cents a word

Advertising "bargain counter." Thousands of people have surplus items or stock for sale—limited in amount or numbers hardly enough to justify extensive display advertising. Thousands of other people want to buy these same things. These intending buyers read the classified "ads"—looking for bargains. The "ads" are easy to find and easy to read. Your advertisement here reaches a quarter million readers for 3 cents per word, for one, two or three insertions. Four or more insertions, the rate is 2½ cents per word. No "ads" taken for less than 30 cents. All "ads" set in uniform style, no display. Initials and numbers count as words. Address counted. Terms always cash with order. Use these classified columns for paying results.

BUY OR TRADE WITH US. SEND FOR list. Bersele-Meredith, Eldorado, Kan.

FOR SALE AT ONCE, \$1,600 CASH, 100 acres land relinquishment; land selling on all sides for \$25.00 per acre. Every foot can be plowed, together with small house for the above price. Must be taken at once. E. A. Morton, East Las Vegas, N. M.

260 A. OF SMOOTH, TILLABLE LAND, 2 miles from town, large 6 room house, cement walks, barn 32x46, stanchion for 10 cows, cement floors, 2 wells, windmills, 25 a. alfalfa, 10 a. hog tight, 160 a. grass. Not an acre of waste, in fine neighborhood; is worth \$75 an a. Can sell for a short time for \$60. Owner is old and in poor health. J. W. Bradshaw, Herington, Kan.

FARMS TO SELL WORTH THE MONEY, in Wilson Co., Kan. Two hundred acres at \$30 per acre, 80 in cultivation, 100 mow land, balance pasture, creek through pasture, new 7-room house, barn and outbuildings, 5 miles to market. Also 120 acres, good buildings, 10-acre orchard, black land, 3 miles to market. \$50 per acre. Both leased for gas at \$1 per acre, annually. Also an 80-acre tract, 3 miles from Fredonia, well improved and well located, at \$4,000. 160 acres near Fredonia, well improved, all fenced and cross fenced with woven wire, \$55 per acre. Other bargains to offer. Write for particulars. J. L. Kennard & Son, Fredonia, Kan.

POULTRY.

WHITE WYANDOTTE EGGS—MODEL Poultry Yards, Hanover, Kan.

BLACK LANGSHANS—EGGS \$1.50 PER 15; \$7 per 100. Baby chicks, 15c each. Mrs. Geo. W. King, Solomon, Kan.

SLIGHTLY USED INCUBATORS AT A bargain. Will exchange for Leghorn stock or eggs. A. Koenig, Hanover, Kan.

EGG FROM A FINE LAYING STRAIN of Rose Comb Brown Leghorns. Mrs. J. E. Wright, Willmore, Kan.

INDIAN RUNNER DUCKS—GREAT LAYERS. Eggs \$1.25 per 15. Also Silver Wyandottes, \$1.25 per 15. Tillie Culver, Garnett, Kan.

SINGLE COMB BROWN LEGHORN hens from best laying and show strains in the United States \$1 each. Eggs, 25 for \$1. \$3.50 per 100. Col. Warren Russell, Odessa Farm, Winfield, Kan.

HILLCREST FRUIT & POULTRY FARM—Barred Rock eggs from prize winning stock, \$1 for 15; \$5 per 100. Route 4. Phone Ind. 2180-Ring 1, North Topeka, Kan.

FULL BLOOD HOUDANS, GREATEST layers known. Hatch and do well during summer months. Eggs \$1.25 per 15. S. F. Green, Mankato, Kan.

PURE S. COMB BROWN LEGHORNS—Eggs from prize-winning stock. Eggs safely packed 30 for \$1.50; \$4.00 per 100. A. G. Dorr, Osage City, Kan.

100 BARRED ROCK CKLS. AND FEMALES, prize-winning strain, 85 premiums, 30 yrs. experience. Eggs, \$2 per 15; \$5 per 50. Chris. Bearman, Ottawa, Kan.

ELEVEN YEARS BREEDER AND SHIPPER of Single Comb White Leghorns. I guarantee safe arrival of eggs. 17, \$1.00; 50, \$2.50; 100, \$4.00. Your success is mine. C. O. Kelley, Dunlap, Kan.

SILVER WYANDOTTES—PRIZE WINNING strain, Kansas and Kentucky's best. Open range. Eggs: 15, \$2. Mary Gordon, Baker, Kan.

ROSE COMB REDS EXCLUSIVELY. Eggs from high scoring birds \$1.50 per 15; \$5 per 100. Mrs. Riley Ingraham, Manhattan, Kan.

FINE BARRED ROCKS—GOOD LAYERS, farm range, eggs, \$1.00 for 15 or \$1.75 for 30, or \$5 per 100. Mrs. John Yowell, McPherson, Kan.

CORNISH INDIAN GAME, STOCK FROM imported birds last year. Eggs, \$1.50 per setting of 15 or \$6.00 per 100. Mrs. J. H. Drury, Fullerton, Neb.

PRIZE WINNING WHITE ROCK EGGS, \$1.00 per 15; \$5.00 per 100. Pekin Duck eggs, \$1.00 per 15. L. T. Spellman, Paola, Kan., Route 8.

S. C. BUFF ORPINGTONS—FIVE PENS; large, vigorous, tremendous layers. Eggs, 15, \$1; 100, \$5. R. C. Leonard, Oxford, Kan.

EGGS FROM WHITE ROCKS MATED with snow white. White Ivory strain cockerels, sired by White Ivory 2nd, winner of 3 sweepstakes silver cups, score 96½. After May 15, \$1.15; \$5.100. Mrs. Harry Webster, Yates Center, Kan.

EGGS! EGGS!!—FROM 18 VARIETIES thoroughbred poultry, geese, turkeys, Pekin, Rouen, Muscovy and Indian Runner ducks, pearl and white guineas, bantams, dogs, all kinds of fancy pigeons. Hen's eggs, 15 for \$1.00. Write for free circular. D. L. Bruen, Platte Center, Neb.

CATTLE.

FOR SALE—FOUR RED SHORTHORN bulls from 13 to 23 months old, eligible for record. J. Thorne, Kinsley, Kan.

SEEDS AND PLANTS.

ALFALFA SEED, TEN DOLLARS. J. H. Glenn, Wallace, Kan.

ALFALFA SEED NINE AND TEN DOLLARS per bu., sample sent on request. Rush & Cox, Sharon Springs, Kan.

DOGS.

PEDIGREED SCOTCH COLLIES FROM imported stock, cheap. John D. Ziller, Hiawatha, Kan.

FOX TERRIER PUPS, FULL BLOODED from choice ratters; males, \$2.50; females, \$1.50. A. D. Williams, Minnebia, Kan.

FOR SALE CHEAP—SEVERAL CHOICE bred Collie bitches, best of breeding, most all proven brood matrons, best of heads, ears, coats, and sound. Will exchange for Shetland pony. Sam B. Cumming, Tecumseh, Neb.

HORSES AND MULES.

SHETLAND PONIES—WRITE FOR price list. Charles Summers, Waldo, Kan.

MISCELLANEOUS.

INTERNATIONAL AUTO BUGGY FOR sale. A. Koenig, Hanover, Kan.

HIGH GRADE POST CARDS—BEAUTIFUL and attractive. 10 for 10 cents, postpaid. Stamps taken. Potter Variety Store, Independence, Kan.

FOR SALE—NEW HAY TEDDER, never used; splendid tool for clover. Price reasonable if taken soon. H. W. McAfee, Route 8, Topeka, Kan.

FOR SALE—THREE HORSE WAGON Eveners, given on 30 days' free trial during haying. Warranted free from sidedraft. Wm. Menefee, Atlantic, Iowa.

SEND 15 CENTS FOR WONDERFUL polishing cloth for silverware, jewelry, etc. No liquid—no powder—no dirt. Lasts longer than 50c powder. Flash Mfg. Co., Toledo, Ohio.

DRUG AND GENERAL STORES, BIG profits selling clear cut crystal spectacles. Send for money making assortment. We advertise you. Crystal Optical Co., 213 Temple Court, Atlanta, Ga.

TELEPHONE SUPPLIES—LIGHTNING will stay outdoors if your telephone line is equipped with a No. 700 Aerial Arrestor. By mail 60c. Send for circular. Other things to your interest if you own a telephone. W. L. McMillen, Osborne, Kan.

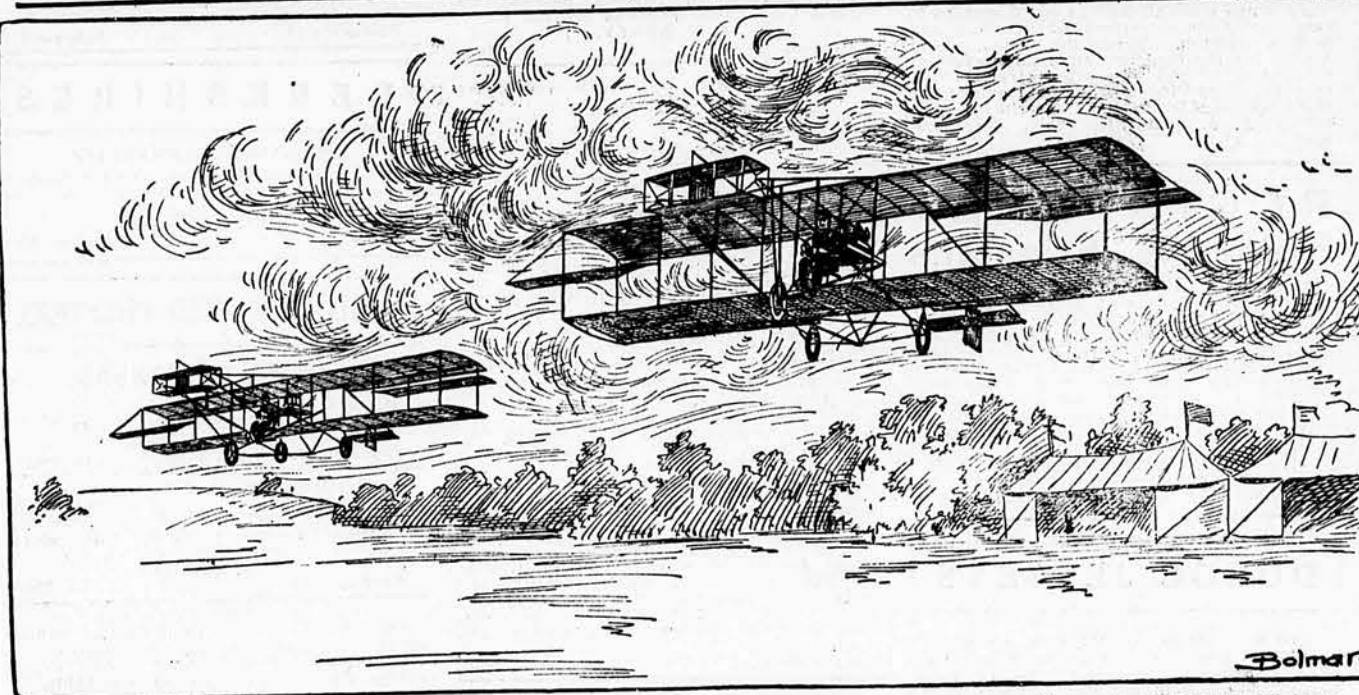
PATENTS.

SEND FOR FREE BOOKLETS—ALL about patents and their cost. Shephard & Campbell, 500 J. Victor Bldg., Washington, D. C.

PATENTS PROCURED AND POSITIVELY sold if the idea has merit; all countries; best service; book free; send sketch. H. Sanders, 115 Dearborn St., Chicago, Ill.

FOR SALE—ONE DOUBLE STANDARD Polled Durham bull. Registered and well bred. Aged 3 years. C. M. Albright, Overbrook, Kan.

RENO HERD SHORTHORNS—WE ARE now offering a few good cows and heifers bred to either Victor Archer 264156 or Forest Knight 226084. Write or see them. Stewart & Downs, Hutchinson, Kan.



The Air Ships that will fly over Topeka on June 7-8-9, 1910. For the first time in history the people of Kansas will have an opportunity to inspect the marvelous Curtiss biplanes and see them in operation. Three days in wonderland. Everybody is invited. Come and bring the whole family.

AUCTIONEERS

C. E. BEAN, GARNETT, KANSAS.



Auctioneer

Live Stock, especially Horses, Cattle and Big Type Poland China and Chester White Swine. I am also breeder of the big Type Poland Chinas. Write me before claiming a date.

J. H. MOORMAN.

Live Stock and General Farm Sale Auctioneer. Satisfaction guaranteed. Long distance phone connection.

SOLOMON, KANSAS.

JAMES T. McCULLOCH, Clay Center, Kan. Makes public sales anywhere. Pure bred sales a specialty. Better equipped than ever before to give patrons good service. Reasonable charges for first class service.

L. E. FIFE,

LIVE STOCK AUCTIONEER,

Breeder of Percherons, Shorthorns and Duroc Jersey hogs, posted in pedigrees; terms reasonable. Write or wire for date.

LAFE BURGER

LIVE STOCK AUCTIONEER.

Write or wire me for date. WELLINGTON, KAN.

JOHN D. SNYDER

Auctioneer,

Winfield, Kansas.

I sell for many of the most successful breeders.

THOMAS DARCEY

Live Stock and Real Estate Auctioneer. Fifteen years' experience. Breeder of Poland China hogs. Well posted in pedigrees, dealer in real estate. Terms reasonable. Wire or write for dates. Long distance phone 2651. OFFERLE, KAN.

LEARN AUCTIONEERING AND BE INDEPENDENT.

Summer term Jones Nat'l School opens July 25 (Five weeks) no age limit. Catalog will interest you. Address **CAREY W. JONES, Pres.,** 2856 Washington Blvd., Chicago, Ill.

W. C. Curphey

LIVE STOCK AUCTIONEER.

Write, phone or wire me for dates. Abilene, Kansas.

Col. Essie Craven

LIVE STOCK AUCTIONEER.

Twenty Years Selling All Breeds. NORTH BRANCH, KAN.

RED POLLED CATTLE

RED POLL FOR SALE

I have 8 good young Red Polled Bulls and some heifers. Prices low.

OTTO YOUNG,

Utica, Ness Co., Kansas.

AULD RED POLLS.

Herd established 7 years. Choice breeding and individuality. Three young bulls for sale.

AULD BROS., Frankfort, Kansas.

POLLED DURHAM CATTLE

SELVEDERE X2712-195058

Son of the \$1,500 Grand Victor X1685 160864 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, Kan.

ANGUS CATTLE

80 Angus Bulls

OF SERVICEABLE AGE

Herd Headers and Range Bulls. Many of them by Champion It.

SUTTON FARMS, Lawrence, Kan.

500 HEAD IN HERD.

HEREFORD CATTLE

YOUNG HEREFORD BULLS. A choice lot, ranging in age from 12 to 20 months, sired by Mystic Baron; all good ones, in fine shape. Among them are some choice herd headers. Prices right. Visitors welcome. Write your wants.

S. W. TILLEY,

Irving, Kansas.

SHORTHORN CATTLE

SCOTCH SHORTHORNS.

7 young bulls from 10 to 15 months old, Scotch and Scotch topped; one pure Scotch bull by Blythe Conqueror. A few choice heifers for sale. **C. H. WHITE,** Burlington, Kan.

TENNEHOLM SHORTHORNS.

Have on hand a few young red bulls ready for service that are out of splendid milking dams and have good beef form. No better breeding could be wished. Can spare a few females. Prices moderate.

E. S. MYERS, Chanute, Kan.

A CARLOAD SHORTHORN COWS

All are bred or have calf at side, 4 good young bulls that I am sure will suit. Everything nicely bred and in good condition. Moderate prices. Come and see us.

D. H. FORBES & SONS,

R. F. D. 8, Bell Phone 31.

Topeka, Kansas.

Center Grove Stock Farm

Scotch Shorthorn cattle and 20 bred sows and a few good spring boars of large type Poland China hogs. Write me what you want. No trouble to answer letters. Bell phone.

J. W. PELPHREY & SON,

R. 6, Chanute, Kan.

SCOTCH HERD BULL FOR SALE.

The Cruickshank Clipper bull, Scottish Archer 283319, sired by Victor Archer 12310 and out of Imp. Noamis Ruth 2nd. An extra good individual and sire but cannot be used in herd longer to advantage, and will be priced reasonable.

S. B. AMCOATS,

Clay Center, Kansas.

Humboldt National Stock Farm.

Shorthorn cattle, large type Poland China hogs, 10 spring boars, 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.

JERSEY CATTLE

LINSOTT JERSEYS

Offers a few choice cows in milk and some bred heifers. Milk and butter records accurately kept.

R. J. LINSOTT,

Holton, Kansas.

I have ready for service a few grandsons of Merry Maiden's Third Son, Financial Count, Eurybia's Son and Fontaines' Eminent. Prices and extended pedigrees upon application. These bulls will make excellent dairy sires and are fit to head any herd registered in A. J. C. C. W. N. BANKS, Independence, Kan.

HOLSTEIN CATTLE

SUNFLOWER HERD HOLSTEIN-FRIESIANS.

Offers eight sons of King Walker 40858, whose dam and granddam have A. R. O. record of over 30 lbs. butter in 7 days each. Dams of this lot of bulls have A. R. O. records as follows—27.89 lbs. at 4 years; 28.12 lbs. at 4 years; 25.19 lbs. at 4 years; 23.54 lbs. at 3 years; 21.35 lbs. at 3 years; 18.98 lbs. at 3 years; 18.28 lbs. at 4 years; 17.27 lbs. at 4 years, and correspondingly high milk and butter records for 30 days. They range from 15 months to 20 months in age. Every one an extra good individual and in fine condition. Tuberculin tested. They are by far the choicest lot of bulls ever offered west of the Mississippi river. Don't buy the cheap kind if you would expect the best results. Write for description and prices. **F. J. SEARLE, Prop.,** Oskaloosa, Kan.

REGISTERED Holsteins-Friesians

At auction, 100 head. Fifty cows and heifers, in milk or soon fresh. 25 heifers and heifer calves to 3 years old. Every animal is tuberculin tested. Positively the greatest one day sale of dairy cattle ever held in this territory. Sale will be held at South Omaha, Neb., Tuesday, June 28. Sale commences promptly at 10 o'clock a. m. Catalogs ready about June 15 and will be sent to all that apply. Watch later issues of this paper for full particulars.

ROCK BROOK FARM,

Henry C. Gilsman, Prop., Omaha, Sta. B., Nebraska.

DUROC JERSEYS

DUROC HERD BOAR FOR SALE.

Skadden's Wonder 74645, the best living son of Nebraska Wonder. An excellent breeder and individual. Out of litter of 13. Just in his prime. Will price to sell.

A. B. SKADDEN,

Frankfort, Kansas.

DUROC JERSEYS

QUICK SALE

W. C. WHITNEY,

CROW'S DUROC JERSEYS.

Herd headed by Climax Wonder, he by Missouri Wonder. 100 head to select from. Prices reasonable. The electric car runs within three blocks of my farm. Come and see my herd at any time.

W. R. CROW, Hutchinson, Kan.

25 - Duroc Jersey Gilts - 25

Spring yearlings bred for last of April and May farrow, large and smooth. The best of breeding priced at \$40 and \$50. Write today, these bargains won't last.

MARSHALL BROS.,

Burden (Cowley County), Kansas.

"DUROCS GROWN IN THE OZARKS."

Ohio Chief and Col. blood. Litters by Muncie Chief, Model Prince, King of Models, Inventor, The King I Am, Advance; several by Col. Carter, my leading herd boar. They are all grown right, are good and we answer all letters of inquiry.

C. L. CARTER, Albany, Mo.

I HAVE A GOOD bunch of spring pigs of both sexes; up-to-date breeding with plenty of quality. Write me your wants and I will treat you right.

E. M. MYER,

Burr Oak, Kansas.

POLAND CHINAS

BRED GILTS

Sired by First Choice, he by Grand Chief. Gilts bred to Little Bear, a grandson of On and On. Those offered for sale are the tops of a large bunch. The gilts and the price will please you. Write right now to **Young & Kimmerling,** Glasco, Kan.

HIGHVIEW BREEDING FARM

Devoted to the raising of

BIG BONED SPOTTED POLANDS

The Farmers' Kind. The Prolific Kind. I am now booking orders for spring pigs to be shipped when weaned. Pairs or trios; no kin.

H. I. FAULKNER,

Box K, Jamesport, Mo.

SUNSHINE HERD—Poland Chinas. Bred gilts and yearling boars. Prices reasonable, quality considered. Satisfaction guaranteed.

A. I. ALBRIGHT,

Pomona, Kansas.

200—LARGE TYPE POLANDS—200

Herd headed by Big Hadley, John 2d and John Ex. Young stock for sale at all times. A few choice Hadley boars.

CHAS. Z. BAKER,

Butler, Mo.

HARTER'S BIG KIND POLAND CHINAS

Headed by Mogul's Monarch 45858 and Capt. Hutch 39068. Over 100 choice pigs to select from. Visitors made welcome. Also Banded Rocks.

J. H. HARTER,

Westmoreland, Kansas.

ELMDALE POLAND CHINAS

For sale at reasonable prices. Four choice boars of August farrow. Spring pigs for \$12.50 each. Our aim—quality, size and good breeding.

C. S. MOYER,

Nortonville, Kansas.

POLAND CHINAS WITH SIZE.

Headed by Pawnee Look. I have bred pure bred Poland for 20 years and have learned many valuable lessons, and in the future shall breed nothing but the big smooth kind. More hog and less hot air.

F. F. OEBLY,

Oregon, Mo.

WALTER'S BIG SMOOTH POLAND CHINAS.

Expansive, one of the best living sons of Expansion, heads herd. Daughter of Grand Look bred for July farrow to Expansion for sale.

H. B. WALTER,

Effingham, Kansas.

MEISNER'S BIG POLAND CHINAS.

Headed by Metal Choice, sows are daughters of such sires as Nebraska Jumbo, Pawnee Chief, Big Hadley, etc. Fifty fine spring pigs to date and more sows to farrow. Inspection invited.

T. J. MEISNER,

Sabetha, Kansas.

POLAND CHINAS FOR SALE.

10 January boars, \$15 each.
15 January gilts, \$15 each.
17 yearling gilts bred for August and September farrow, \$30 each.
Good breeding and individuality.

F. D. YOUNG,

Winchester, Kansas.

STRYKER BROS.' HERD POLAND CHINAS.

The greatest show and breeding herd in the West. Write your wants and they will please you. Hogs any age at reasonable prices. Buy the best and make the most. They breed the kind that win; the kind you want. Address

Stryker Bros., Fredonia, Kan.

BUSINESS CARDS, 500 FOR \$1.50— Prompt service. Send for samples and estimates. Western Printing Co., Ptg. Dept. of Kansas Farmer, Topeka, Kan.

DUROC JERSEYS

Fall boars of best of breeding and quality at bargain prices for quick sale; also a few bred sows for June farrow of the best of breeding and bred to good boars. Write at once.

AGRA, KANSAS

HANLEY STRAIN OF DUROCS.

Write for Prices.

Paul B. Johnson, Leavenworth, 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.

20 - BRED GILTS - 20

Daughters of King of Cols. II and G. C.'s Col. These are very choice gilts priced to sell. Also a few choice boars of summer farrow.

FRANK ELDER,

Green, Kansas.

DUROC SOWS and GILTS

30 fall gilts by G. C.'s Kansas Col. and 15 yearling and matured sows, all by noted boars. Will sell and hold until safe for fall litter. Also 10 fall boars, tops of our fall crop.

CHAPIN & NORDSTROM,

Green, Clay Co., Kansas.

POLAND CHINAS

BIG STRONG SEPT. BOARS.

Sired by Guy's Monarch, the boar with frame for 1,000 lbs. and a 10 1/2-inch bone. Out of dam by the noted boar First Quality. Low prices for quick sale, must make room for spring pigs.

H. C. GRANER,

Lancaster, Kansas.

30 BRED POLAND CHINA GILTS for sale. Spring and summer farrow, bred for April and May litters, choicest blood line, also five mature sows and boars ready for service, one by Meddler. Reasonable prices.

F. D. FULKERSON, Brimson, Mo.

MELBOURNE POLAND CHINA HERD. The home of the great boar, Gold Metal, 90 good pigs will make prices after July 1. Sows are daughters of Prince Youtell, Chief Gold Dust, etc. Visitors welcome.

JOHN C. HALDERMAN,

Burchard, Nebraska.

20—BIG STRONG BOARS—20

The tops of 50 head ready for service. Want to make room for spring pigs and am making low prices. Strictly big type.

HERMAN GRONNIGER & SONS,

Bendena, Kansas.

SHORTHORNS AND POLANDS. Herd bull Acorn Duke 7th 281036. Poland heads by Big Bone Long. Females represent leading strain. Young stock for sale.

FREELAND & WILLIAMS,

Valley Falls, Kansas.

FOR SALE

I STILL HAVE a few good fall boars for sale at very reasonable prices; will also offer my 2-year-old herd boar, O. K. Chief. He is a good individual of the 800-lb. type, heavy bone, a good even breeder.

R. J. PECKHAM,

Pawnee City, Nebraska.

BERKSHIRES

RIDGEVIEW BERKSHIRES.

Two herd boars for sale. One 2-year-old by Forest King. Other males of different ages. Sows and gilts open.

Manwaring Bros.,

Lawrence, Kan.

OHIO IMPROVED CHESTERS

MOSSE OF KANSAS

Breeder of O. I. C. Swine. The best spring pigs in Kansas.

ARTHUR MOSSE,

Leavenworth, R. F. D. 5, Kansas.

MISSOURI VALLEY HERD. Pure bred Ohio Improved Chester White swine. Few Sept. gilts for sale either bred or open. Booking orders for early spring pigs. Satisfaction guaranteed.

J. M. DRYDEN,

Phelps City, Mo.

MAPLE LEAF O. I. C.'s. Strictly up to date Imp. Chester Whites of the best breeding and individuality. A few choice fall gilts and a fine lot of spring pigs to offer. Prices reasonable.

R. W. GAGE, R. D. 5, Garnett, Kan.

When writing advertisers please mention Kansas Farmer.

KANSAS LAND

IF YOU WANT

The right land, at the right price, in the right place, from the right man.
Write right now to
H. D. HUGHES,
McDONALD, KAN.

REAL ESTATE DEALERS, ATTENTION.

If you want to know how and where to buy advertising space in a big farm paper and a daily paper covering the richest agricultural sections of the United States for less than a half cent a line per thousand circulation, write
ROY O. HOUSEL,
625½ Jackson Street, Topeka, Kan.

FINE IMPROVED 160, 5 miles out, \$5,700; terms. L. E. Thompson, Norwich, Kan.

Homeseekers

Send for a copy of the Southwestern Kansas Homeseeker, the best land journal published. It's free to those wanting homes or investments. We make a specialty of lands on small payments and easy terms. Address
THE ALLEN COUNTY INVESTMENT CO.,
Longton, Kansas.

SNAPS

35,000 acres in McMullen Co., Texas, all good, level land, balance sandy loam; price \$10.00 per acre.
73,000 acres in southwestern Texas, \$1.35 per acre.
200 acres near Marquette, McPherson Co., Kansas. Well improved. Price \$10,000.
CHAS. PETERSON,
Hutchinson, Kansas.

Corn, Wheat, Alfalfa

Lands in Trego county, Kansas, where prices are advancing rapidly. Best opportunities in Kansas for homeseeker and investor. Write for our list, mailed free and postpaid. Live agents wanted.
D. W. KELLER LAND CO.,
Wakeeney, Kansas.

OTTAWA COUNTY BARGAINS

160 acres, 3 miles town, 110 cultivation, balance pasture, 4-room house, barn, 65 acres wheat, all good with possession, \$6,500, easy terms. New list free.
J. S. BOYLE,
Bennington, Kan.

GOOD FARM.

344 acres adjoining town, highly improved. Six acres alfalfa, 5 miles fence, mostly woven wire. Further particulars write
J. C. ELVN,
Harper, Kansas.

LANE COUNTY, KANSAS

Offers bargains in wheat and alfalfa ranches at \$10 to \$20 per acre. Write for my price list and investigate at once.
WARREN V. YOUNG,
Dighton, Kansas.

KINGMAN CO. LANDS

Banner Wheat and Corn County of the State. Write for Selected List.
BROWN REAL ESTATE CO.,
KINGMAN, KANSAS.

A SNAP.

794 a. fenced, 400 a. cultivated, 200 a. more fine land, balance pasture. 7 a. alfalfa, hog tight. Orchard and other trees. Fine 7 room house with bath, large barn, granary, hen house, cattle sheds, blacksmith shop, etc., water service complete. Rural route and phone line, 8 miles to county seat. \$35 per acre; 1-3 cash; balance time. 100 other bargains in Mills and Trego counties. D. W. Nickles, Dyer, Kan.

A GOOD RANCH

In Chautauqua Co., Kan., 2040 acres, good improvements, good grass, plenty of living water, only two miles from railroad station. Will sell at a bargain or take some trade.
LONG BROTHERS,
Fredonia, Kansas.

THE HOXIE REALTY CO.

Farms, ranches and city property. Some of the best wheat, corn, alfalfa and hay land in the West. Also good business propositions in Hoxie. For further particulars write us.
HOXIE REALTY CO.,
Hoxie, Kansas.

AN EXCEPTIONAL SUBSCRIPTION OFFER.

SUBURBAN LIFE of New York is one of the largest and most powerful outdoor magazines published. The regular subscription price is \$3 per year and by special arrangement we are able to offer to readers of the **KANSAS FARMER**, three months' subscription to **SUBURBAN LIFE**, absolutely free.
We will also add to this one year's subscription to the **PEOPLE'S POPULAR MONTHLY**, a first class magazine for the home and one of the cleanest periodicals we know of.

SPECIAL FOR ONE DOLLAR.

Send us \$1 for one year's subscription to **KANSAS FARMER**, new or renewal and you will receive, free, three months' subscription to **SUBURBAN LIFE** and a year's subscription to the **PEOPLE'S POPULAR MONTHLY**. Mention this offer in sending in your subscription.
KANSAS FARMER, Topeka, Kan.

NOTICE TO HOMESEEKERS: If you want homes in Coffey County, Kan., please write for lists of land. **Andrew Burger, Burlington, Kan.**

Ellis and Trego County lands at the lowest prices on the best terms. Write for list, sent free.
C. F. SCHEPMANN,
Ellis, Kansas.

320 acres, 1 mile Wilson, 220 acres in cultivation, fairly well improved, would make a fine wheat and dairy farm. Price \$21,600. Easy terms. Other farms. If above doesn't suit, write me.
N. COOVER, REAL ESTATE,
Wilson, Kansas.

IF YOU WANT
To buy Trego County corn, wheat and alfalfa land, at \$15 to \$40 per acre, write for free information about this section.
SWIGGETT,
The Land Man, Kansas.

TREGO COUNTY LAND
Where prices are advancing rapidly, at low prices on liberal terms. Near markets, churches, and schools. Write for prices and descriptions.
J. I. W. CLOUD,
Wakeeney, Kansas.

FREE
List of lands, ranging in price from \$10 to \$30 per acre, well located, near churches, schools and markets in Rawlins and Cheyenne counties, Kan., and Hitchcock Co., Neb. Send your name today. **S. C. ALLEN,**
Herdon, Kan.

SHERIDAN COUNTY LANDS.
\$15 to \$25 per acre. Buy now and you will double your money soon. Write for prices, descriptions and full information. List free.
E. A. MONTIETH,
Hoxie, Kansas.

IF YOU ARE INTERESTED IN CENTRAL KANSAS, WESTERN KANSAS OR COLORADO LANDS FOR A HOME OR INVESTMENT, STATE YOUR CHOICE TO C. C. WALLACE, BROOKVILLE, KAN.

A CHEAP IMPROVED quarter, fine 160 acre farm located seven and one-half miles from Goodland, Sherman county, Kansas. Fine land, fine level road, good comfortable improvements such as house, barn, small granary, fenced, 70 acres in cultivation. Price \$20 per acre.
G. W. Sapp,
Goodland, Kan.

ASK WHY LAND IN SHERMAN CO., KANSAS
Will make the investor or the farmer money, purchased at present prices. Many inducements here that are not to be found elsewhere.
T. V. LOWE REALTY CO.,
Goodland, Kansas.

SOLOMON VALLEY LAND.
80 a. improved, 3 mi. to market, 40 a. pasture, 40 a. tilled, \$2,000. 640 a., 320 a. can be plowed, creek through this section, 5 mi. to market, \$12,800. 400 a., all grass, one-half tillable, 5 mi. to market; terms, \$6,000, 100 a., 4 1/2 mi. out, all good land, 80 a. broke, terms, \$8,800. Other farms for sale and exchange. List free.
A. E. ROBINSON LAND CO.,
Minneapolis, Kansas.

210 ACRES within one mile of Rexford, all smooth, tillable land, good seven-room house, nearly new, good barn with hay loft, hen house, hog house, corn cribs, granary and stock shade. 130 acres in cultivation. Price \$7,500. Many other bargains located in Sheridan and Thomas counties, Kansas. Also Colorado land from \$8 per acre up.
A. T. LOOMIS,
Rexford, Kansas.

SHERMAN COUNTY LANDS. where prices are advancing rapidly, \$12 to \$30 per acre, good terms. Gulf and Northwestern Railroad now building at Goodland. Unexcelled opportunities for homeseeker or investor. Now is the time to buy, and you will double your money shortly. Write for free illustrated literature.
GLIDDEN REAL ESTATE CO.,
M. E. Glidden, Mgr.,
Goodland, Kansas.

KANSAS FARM BARGAIN.
160 acres nice, smooth land, 2 1/2 miles city limits of Parsons, Labette county. 5 room-house, good barn, 6 acre family orchard, 8 fenced hog tight, 50 prairie meadow, 20 blue grass and blue stem pasture, balance in cultivation. R. F. D. and telephone line, \$50 per acre. Good terms. Also 320 acre stock and grain farm, Linn Co., \$25 per acre; easy terms. Other Missouri and Kansas farms.
THE STANDARD LAND CO.,
Room 4, Ricksecker Bldg., Kansas City, Mo.

GOOD RANCH.
3,368 acre ranch, improved, \$5.00 acre, Robertson Co., 7 miles county seat. Adjoining land couldn't be had for twice our price. Would sell part or all. All fine grass and much first class farm land. Detailed description and plat free.
C. A. BABCOCK,
Harper, Kansas.

IMPROVED FARMS in S. W. Kansas and N. W. Oklahoma, \$10 to \$25 per acre. Write **Moore & Falls, Liberal, Kan.**

FREE LIST.
Dickinson County corn, wheat and alfalfa farms. Write today, **Baumgarth & LaPort, Abilene, Kan.**

PHILLIPS COUNTY corn, wheat and alfalfa lands, \$40 to \$60 per acre. Prices rapidly advancing. Write or see **L. E. COUNTRYMAN, Phillipsburg, Kan.**

MONTGOMERY COUNTY LANDS.
Montgomery County is second in population and 5th in wealth in Kansas. Write for list of choice farm bargains and prices. **W. J. BROWN & CO., Independence, Kan.**

CHOICE KANSAS FARMS in Smoky Valley, Saline and McPherson counties, where you can raise alfalfa, corn and wheat with profit. Write for information and list. **David Bachman, Lindsborg, Kan.**

MARION, MORRIS AND DICKINSON County, Kansas, lands. Bargains in improved farms at prices ranging from \$45 to \$80 per acre. Write for free list. **T. C. COOK, Lost Springs, Kan.**

BARGAINS IN LAND.
A well improved 10,000 a. ranch in Sherman Co., \$10 per a., easy terms, also other smaller ranches and 100 scattering quarters and half sections from \$9 to \$12 per a. **M. ROBINSON, The Land Man, Goodland, Kansas.**

CORN, WHEAT AND ALFALFA LANDS.
In Cloud, Washington and Republic counties, where all staples produce bountiful crops and prices are advancing rapidly. Best section in Kansas for a home or investment. Write for a free list. **Nelson Land Co., Clyde, Kan.**

LIVE AGENT WANTED
In your locality to assist in selling corn, wheat and alfalfa land. We own thousands of acres in Pawnee and adjoining counties. Write us for a proposition on our own ranches. **Frizzell & Ely, Larned, Kan.**

SHARON COUNTY ALFALFA LANDS.
Choice corn and alfalfa farms for sale in Barber county, Kansas. Crop failure unknown. Write for particulars and list. Address **WILLIAM PALMER, Medicine Lodge, Kansas.**

MEADE COUNTY BARGAIN.
320 acres Meade Co., Kan., small house, good well and windmill, barn, all fenced, 175 acres in wheat, all of which goes to purchaser, 7 miles of Plains, Kan., close to school and church. Write for others. **CARLISLE & DETTINGER, Meade, Kan.**

HARPER COUNTY.
Home of corn, alfalfa and wheat. Lands \$25 to \$75 per acre that would be cheap at twice the money. Values advancing rapidly. Now is the time to buy. Description and full information free.
HEACOCK REALTY CO., Kansas

CROOKED CREEK VALLEY LANDS.
Have several tracts, 80 to 1,000 acres. Water 20 to 40 ft. Raise alfalfa, corn, wheat. Eight miles Fowler. \$20 and up. Terms.
BOX 83, Meade Co., Kansas

NEMAH COUNTY, KAN., BARGAIN.
100 a. farm lying 7 miles S. W. Corning, 90 a. corn land, 8 a. prairie meadow, 2 a. fine orchard. Land not rough, stony, nor ditchy. Good 5-roomed house, barn and other outbuildings, extra good water, 1 mile to school. R. F. D. and phone line. Can be bought on March 1, settlement 1911 at \$60 per a. Good terms. Other propositions. **C. E. Tinklin, Corning, Kan.**

FINE TOWN PROPERTY CHEAP—12 blocks in the city of Coldwater, two story frame house of 9 rooms, pantry, refrigerator room, four closets, cellar and storm door, connected with the house, coal house, chicken house, granary, barn and buggy shed, hundred barrel cistern, well, windmill and tank, fruits of all kinds. Price \$4,500. Call on or address **P. H. Thornton, Coldwater, Kan.**

MONTHLY INCOME FOR LAND.
New business block, fire proof, all modern, three stories, built to stand forever. Clear of incumbrance, commands annual rental of 8 per cent on \$22,000. Leased to responsible tenants for term of years. To exchange for land or farm clear, near R. R. town. Address with full description, **Box 244, Larned, Kan.**

TREGO COUNTY LANDS.
If you are looking for a snap, here it is. 160 acres, all in cultivation, 1/4 to go with it. All perfectly level; German Lutheran neighborhood, 12 miles south of Wakeeney. Price \$3,500, \$1,200 cash and balance in five equal annual payments. Write us for other bargains.
KANSAS AND COLORADO LAND CO., Wakeeney, Kansas.

THE BEST WILSON CO. farm at a sacrifice. 235 a. clear and free of all incumbrances by the owner, 1/2 mi. to Bluff City, 3 mi. to Ottawa, 5 mi. to Neodesha, 60 a. timothy, 20 a. alfalfa, 20 a. prairie pasture. Good as new 5 room house, new barn and 6 other outbuildings. Cistern, 2 wells and windmill, 160 is hog tight. The farm is in fine shape to go ahead with. \$55 per acre. \$5,000 payment, balance to suit. **A. T. O'Donnell, 4118 Penn St., Kansas City, Mo.**

JUST LIKE STEALING
To take this beautiful half section in Cowley Co., only 8 miles from good R. R. town, in a fine community, school, church and stores, only 1/2 mile; free phone, rural route, 5-room house, cistern, coal house, well, fine water in the state, pond, two orchards, 100 acres cultivation, bal. splendid bluestem pasture, can all be tilled but 20 a. level upland country farm, smooth and level; soil is a deep black limestone loam, average over 40 bu. of corn per a. last year; grows alfalfa perfectly; only \$30 per a. for a short time; you'll have to hurry, this won't keep; \$5,000 cash, balance back; talk fast; it's money for you.
SHARP REALTY CO., Turner Bldg., Wichita, Kan.

H. J. SETCHELL & SON, Real Estate, Morland, Kan. Send for free list of Graham and Sheridan county lands.

FOR REPUBLIC COUNTY corn, wheat and alfalfa lands, at reasonable prices on good terms. Write or see **Hall & Cartensen, Belleville, Kan.**

JEWELL COUNTY
Leads them all, according to Coburn, in corn, alfalfa, poultry, mules, cattle, hogs, honey. Write what you want to
GREEN REALTY CO.,
Mankato, (County Seat) Kansas.

BARGAINS.
Improved 1/2 section level farm land, 1-4 mile P. O. and school, 250 a. in cultivation, 100 a. wheat, 1-3 crop goes with place. Price \$30 a.; make very reasonable and long time terms. **W. B. Grimes, Owner, Ashland, Kan.**

240 ACRES VALLEY LAND.
Good improvements, near school, 4 miles town, several acres orchard, fine grove forest trees, water at 12 to 30 feet. \$30 per acre. Good terms. Big list and booklet free. **PARK M. THORNTON, Coldwater, Kansas.**

COWLEY COUNTY BARGAIN.
284 acres, 2 1/2 miles of Arkansas City, 160 acres in Arkansas river bottom land, 40 acres in alfalfa, 120 for corn, 9-room house, bank barn 36x10, small orchard and windmill. Price \$57.50 per acre. Write **R. A. GILMAR, Arkansas City, Kan.**

THIS WEEK'S BARGAINS—Several good stocks and clean general mdse. Doing good business; trade for Kansas land worth the money. Now is your opportunity to get into an established business. Cheap wheat and alfalfa lands for sale. **The H. M. Davis Realty Co., Greensburg, Kan.**

KIOWA COUNTY BARGAIN.
160 acres improved, 4 miles to town, 60 acres pasture, 80 acres wheat to purchaser. Price \$4,500. 640 acres hard land, well improved with share of wheat at \$50 per acre. **J. A. BECKETT, Greensburg, Kan.**

WESTERN KANSAS LAND
In Logan and adjoining counties from \$11 to \$25 per acre, according to location and improvements.
T. E. HALE, Kansas

FINE FARM BARGAIN—160 acres, Cherokee county, fenced and cross fenced, 125 a. in cultivation, 35 a. pasture, 400 bearing peach trees, other fruit in abundance; 6-room house, well, barn, windmill, R. F. D. telephone. Price \$32.50 per acre. Write **Mathews & Oglesby, Oswego, Kan.**

COME TO KINGMAN CO.

Where you can raise wheat, corn, hogs, alfalfa and good cattle. If interested, send for our descriptive price lists and maps.
JOHN P. MOORE & SON, Kingman, Kan.

FOR HOMESSEKER OR INVESTOR.
Kiowa and Cavalry Creek Valleys, Comanche County, Kansas. Alfalfa land \$20 to \$35, rapidly advancing. Great opportunities for homeseeker or investor. Write for our large list of bargains, mailed free and postpaid.
PIONEER REALTY CO., Protection, 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, bal. 6 per cent.
Box 114, Minneapolis, Kan.

180 ACRES 1/2 mile from "Baker University" townsite; good rich black limestone soil; 9-room house; two barns, hog sheds, large hay barn; splendid corn and timothy land. Well worth the money. Price \$75 per acre.
WM. M. HOLLIDAY, Baldwin, Kansas.

THE BEST TOWN TO LIVE IN.
If you would like to live in the most beautiful city in the West, with religious advanced 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 prices, address the Secretary of the Commercial Club, Topeka, Kan.

I HAVE SOLD my half section near Colby and now offer a fine, smooth quarter 3 miles from Brewster, Kan., no improvements except 40 acres under cultivation, school house across road from it. This quarter is choice and is offered for the small sum of \$2,200 cash.

Another smooth quarter, 14 miles from Brewster, 55 acres under plow, sod house, good well and new windmill, and a bargain at \$2,000 cash.

These are bargains and must be sold soon. Address
IKE W. CRUMLY, Brewster, Kan.

AN IDEAL FARM FOR SALE.
Kansas farm of 300 acres, adjoining a flourishing railroad town, forty miles west of St. Joseph, Mo. The soil naturally rich has been made more fertile by twenty years of judicious crop rotation and by the liberal application of manure; well watered, fine walnut timber, finest blue grass pastures, alfalfa, timothy and clover meadows, finest corn and wheat land; well fenced; hay, cattle and horse barn for a large amount of livestock; large silo, water tanks, granary, fine mill, etc. A model stock and grain farm, ready for use. An excellent opportunity. For complete information address **K. 225, care Kansas Farmer, Topeka, Kan.**

184 ACRES, 2 miles from Cottonwood Falls and the same distance from Strong City, on the main line of the Santa Fe. 70 acres of alfalfa, 60 acres in corn and 4 acres in orchard and lots. A small house and fair barn and other outbuildings, 2 wells with windmills. Has telephone, daily mail and close to school; this is a fine bottom farm, every foot alfalfa, corn and wheat land, good locality. Price \$80 per acre; can give liberal terms. Will sell on contract and give possession this fall. **J. E. BOCOOK, Cottonwood Falls, Kan.**

KANSAS LAND

WEATHER MAP

Main chart prepared by T. B. Jennings from reports collected by the Weather Bureau.

WALLACE COUNTY LANDS.
At \$10 to \$25 per acre. You will double your money if you buy now. If you want a good investment, write for further information. The Great Western Development Co.
H. FITZGERALD, Mgr.,
Hays, Kansas

BOOKS COUNTY.
Corn, wheat and alfalfa make big crops every year. We sell these lands at \$20 to \$75 per acre on good terms. These prices are advancing rapidly. Now is the time to buy and get the advantage of the big increase in land values sure to come. Write for further information.
CASE & WILSON,
Plainville, Kansas

WALLACE COUNTY, KANSAS
Where land is now selling for \$10 to \$15 per acre. If you buy now you will double your money shortly. The best "buys" in Kansas are to be had here. If you are looking for a good home or money-making investment, write me.
G. G. DIMEL,
Land Agent, Sharon Springs, Kan.

SHERIDAN COUNTY
LANDS MY SPECIALTY. WRITE M. D. GALLOGLY, REAL ESTATE BROKER, HOXIE, KAN.

GOVE COUNTY LANDS
\$8 an acre and up. If you want a good home, and an investment that will double soon, write me.
THOMAS P. McQUEEN,
Treasurer of Gove Co., Gove, Kan.

Rooks and Graham Co. Land
In any size tract, at \$17 to \$40 an acre, depending upon improvements and distance from town. Write for new list. Mailed free and postpaid.
E. G. INLOW,
Pawnee, Kansas

RAWLINS COUNTY
320 acres fine farm land at \$10 per acre. Best of terms, 2 1/2 miles from good town, German Lutheran church, school. For particulars write
ROBERTSON & HORTON,
Atwood, Kansas

MEADE COUNTY FARMS
400 farms, 160 to 640 acres, improved and unimproved, at \$2.50 to \$25 per a., easy terms. 320 a. 7 mi. Meade, in German settlement. 300 a. fine tillable land, 160 a. cult., price \$8,400. Experienced salesman wanted. CHAS. N. PAYNE, Hutchinson and Meade, Kan.

Have You School Children?
We have just listed a well improved 80 acre farm only two miles from County High School, good seven room house, practically new barn, all tillable and no rock, \$4,800.
DONAHUE & WALLINGFORD,
Mound Valley, Kansas

ADMINISTRATOR'S SALE.
160 acres 1 1/2 miles from Downs, Kansas, all good land, 1-3 of crop delivered to town. We will sell this at a reduced price to settle estate. This sure is a bargain and cannot last, as we must sell. For terms and description write B. D. Courter, Downs, Kansas.

FOR SALE OR EXCHANGE.
Small stock of new and second hand furniture, located in a good county seat town, R. R. division point, good business at a bargain or would take a good quarter of western Kansas land in exchange. Also 1,400 a. ranch, about 400 acres cult., 100 a. old alfalfa, 50 acres new, and 100 acres more will be seeded this year, if not sold; house, barn, windmills, etc. Land not cult., will afford pasture for 250 head stock; only four miles from good shipping point in north central Kansas. Price \$25 per acre, terms to suit. Will take part trade.
LEWIS & ELDRED,
Phillipsburg, Kansas

NEW MEXICO

RICH SOIL, worlds of water, sunshine, latitude and elevation make the famous Farmington country the greatest fruit section on earth. Investments made for non-residents. Write and we'll send reliable information. Come, and we'll show you the land. Descriptive literature free. Spath-Coston Land Co., Farmington, San Juan Co., New Mexico.

SAN JUAN COUNTY and the famous Farmington fruit district in particular. Irrigated fruit lands, at prices that will pay 25 per cent on the investment, on terms to suit purchaser. Write for free descriptive literature. Hubbard Land Co., Farmington, New Mexico.

FRUIT LANDS in famous Farmington District of northwestern New Mexico. Two crops from a bearing orchard, often pay for it. Land with good water rights, \$60 an acre up. Printed matter free. The Clark Land Company, Farmington, New Mexico.

WHY LIVE IN A COLD COUNTRY?
Aztec and vicinity offers the best opportunities in the U. S., for here we raise all the grains of the north and all the fruits of a fruit country with the best markets for everything. Write
HUDEBRAND & HORN,
Aztec, New Mexico.

FOR FREE INFORMATION about Allen county lands write F. W. Frevert, 51 years a Kansan, Gas City, Kan.

FOR FREE INFORMATION about Thomas and adjoining counties write to or call on Trompeter & Son., Colby, Kan.

FOR SALE

Sherman county lands, in any size tracts on most liberal terms. Write for prices, descriptions and illustrated literature mailed free and postpaid.

IRA K. FOTHERGILL,
Real Estate and Inv.,
Goodland, Kansas

HAVE YOU ANYTHING TO TRADE?
If you have, list it with Howard, the Land Man, and he will get you something in short order that will suit you. I have farms to trade, automobiles, houses and lots, in fact, everything you can think of that you are likely to want. Talk it Over With Howard, the Land Man, Room 15, Turner Bldg., Wichita, Kan.

640 ACRES, smooth as a floor, 2 1/2 miles station, well improved, 6 room house with double cemented cellar, porch nearly around house, large barn, 320 acres fenced with 3 wires and hedge posts a rod apart; 320 acres in cultivation, good well, windmill and tank. Price \$25 an acre. Terms. Other farms at lower prices.
JOSEPH SAGER,
Colby, Kansas

320-ACRE LABETTE CO. FARM.
Located 2 mi. from good railroad town, 240 a. in cultivation, 16 a. mow land, balance pasture, black limestone soil, good, tame grass, grain and stock farm. Two sets of extra good improvements, plenty of water and fruit. \$50 per a. This is only one of our many bargains. Write for free list.
THE BOWMAN REALTY CO.,
Coffeyville, Kansas

For Exchange

Fine 330 acre ranch, 10 miles of Ottawa, Kan. Owner is an old gentleman and wants smaller farm. Price \$15 per acre. Can arrange for difference on farm. Give full description of what you have to offer in first letter.
MANSFIELD LAND CO.,
Ottawa, Kansas

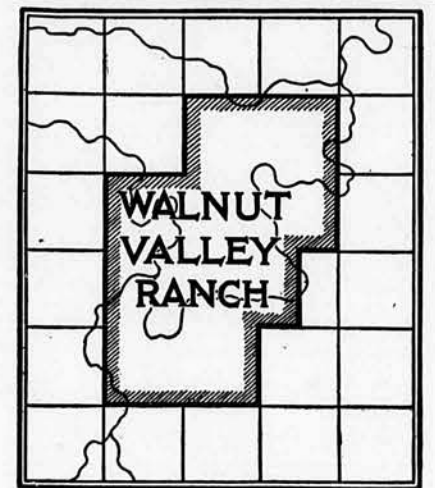
OLD MAN'S CHANCE

80 a. joining good live town of 700 pop., good house, stable and other buildings; lots of fruit and berries; 15 a. of hog and cow pasture; small creek of clear, cool, never falling spring water, 60 a. in cultivation, rich, black soil with just sand enough to work nice. Must sell. \$3,000.
B. H. DUNBAR,
Tyro, Kansas

LAND SNAP

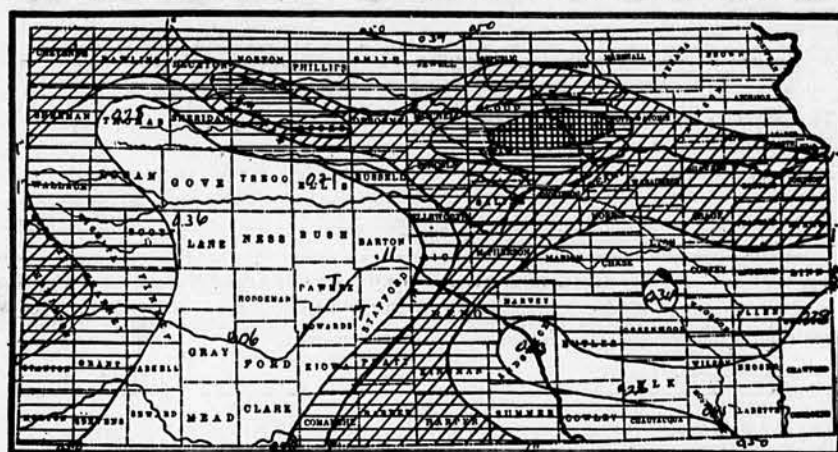
80 ACRES, Anderson County, Kan., 6 miles from Greeley, 7 miles from Garnett, 60 a. in cult., balance meadow and pasture, 160 acres, joining Harris, Kan., all tillable, 100 acres in cult., balance meadow and pasture. Price \$55 per acre, well improved.
SPOHN BROS., Garnett, Kansas

LARGE BODY Alfalfa Land TO BE SOLD CHEAP



Contains 1500 acres of as good land as there is in the State of Kansas. Located in Ness County 5 miles from the county seat. Practically all tillable. About one-half first bottom alfalfa land. Living water, some timber, good stone buildings. Fenced and cross-fenced with four wires on big stone posts. Good wells, mill and tank. On rural delivery and telephone line. School house on the ranch.

**Productive Soil. Abundance of Water
YOUR OPPORTUNITY.
PRICE \$20.00 PER ACRE
MINER BROS., NESS CITY, KANS.**



SCALE IN INCHES:
Less than .50 .50 to 1 1 to 2 2 to 3 Over 3 T. trace.

GENERAL CONDITIONS.

The week has not only been unusually cool, but unusually cloudy.
Heavy rains have crossed from the extreme northwestern counties eastward to the mouth of the Kaw and from Barber county northeastward to Dickinson county, while another area of heavy rain occurred from El Dorado to Iola. Some severe hailstorms and bad washouts occurred in some of the northern counties.
Crop conditions are much more favorable in the southern counties than heretofore this season.

Reports of Counties.

Eastern Division.

Allen—Wheat headed, but poor. Corn needs more warmth.
Bourbon—Crops not in good condition. Corn, small, poor stand and yellow. Oats are very good. Wheat is short and was badly winter-killed. Alfalfa, fair.
Chase—Cool weather though not so wet as previous weeks.
Chautauque—Vegetation is growing nicely. Coffee—Much corn to be replanted, and some to be planted yet. Oats doing finely, chinch bugs discouraged. Not very much wheat this year.
Douglas—A wet week, with little show of working in fields. Oats, barley and spring wheat look well. Soft wheat-heads not well filled. Too wet for corn. More sunshine needed.
Elk—The best growing week of the season. More warm weather and sunshine needed.
Greenwood—Too wet to cultivate. Too cool for corn to grow.
Johnson—The week was very reasonable and the temperature pleasant.
Linn—Though weather has continued cool, it has not been so wet.
Marshall—Much rain and two bad hail storms.
Montgomery—A good growing week, with plenty of moisture. Wheat and oats improving and corn looking fine.
Nemaha—Weather very unfavorable. Many farmers are replanting corn. Corn is coming up unevenly and looks yellow and sickly. Impossible to cultivate on account of rain. Oats and barley in fair condition. Potatoes, poor stand.
Pottawatomie—Week has been favorable for all crops. Wheat is heading. Oats look well. Corn late. Alfalfa cutting begun. Sweet potatoes setting begun. Pastures and prairie meadows doing well.
Riley—Much damage to crops, bridges, and railroad track in northern part of county first part of week. Ground too wet to cultivate.
Shawnee—Oats fine; pastures and meadows very good. Alfalfa being cut under difficulties. Corn not doing well.
Woodson—Too wet for farm work. Oats, grass and pastures doing well.
Middle Division.
Barber—Wheat and alfalfa are in good condition. Too cold for corn to grow much during the last week.
Barton—Cloudy and cool weather pre-

valled the fore part of the week.
Butler—Very cloudy, cold week. Crops are not doing well.

Clay—More than four inches of rain this week. Crops, bridges and 800 feet of U. P. railroad track washed out.
Dickinson—Corn is backward, much has been replanted. Ground in good condition. Grass, fair.

Ellis—Wheat 90 per cent headed, in excellent condition. Spring wheat, oats and barley also in fine condition. The greater per cent of corn is up and ready for cultivation.

Jewell—A fine week for growing crops, which are good.

Kingman—Corn not growing very fast, because of cool weather. Other crops doing well considering the stand. Some hail in western part of county first of week, no damage.

McPherson—Rather wet. Sunshine needed. Sledging corn begun. There being no wheat, much corn, oats, millet, etc., was put in.

Osborne—A severe hailstorm, heavy wind and rain in northern part of county first of week. Some hailstones measured 3 inches in diameter. Immense damage to growing crops. Week slightly warmer afterward. Corn not growing much. Some alfalfa ready to cut, light crop.

Pawnee—Ideal wheat weather; wheat has headed out rapidly.

Phillips—Two fine rains this week, all went into the ground. Wheat and oats are looking fine; too cool for corn.

Rooks—Crops are doing finely. Wheat in fine condition. Corn starting well. Alfalfa ready to cut. Scarcely any wind.

Sumner—Cool, cloudy week. Alfalfa cutting progressing. Corn cultivation in full progress.

Western Division.

Clark—No rain this week, but ground in fine condition.

Decatur—Wheat improving wonderfully. Spring grains in prime condition; corn about all planted, but rather slow about coming up. Pasture fine and stock doing well.

Gove—Fine week for farm work. Still planting corn. All small grain doing finely.
Hamilton—Plenty of rain this week and conditions improving though very near frost on 23rd.

Lane—Crops growing, except corn—the weather being too cool.

Norton—All planting done. Corn coming up well. Some corn has been worked over once. Wheat heading out, short straw but good heads. Alfalfa beginning to bloom.

Rawlins—Good rains this week, ample for present needs. Small grain making good growth.

Scott—Crops never looked better this season of the year.

Thomas—Weather cool and cloudy. Barley and wheat never looked better here. Corn planting finished.

Wallace—Cold week, temperature near frost. Farm crops doing finely. Corn planting nearly finished.

ABILENE NURSERIES

Write for catalog and price list before placing your order. We have the stock that bears fruit, also all kinds of ornamental trees. Forest trees, shrubs, roses and vines. Special attention given mail orders. 10 per cent discount on \$5 order; 15 per cent discount on \$10 order. Cash with order. Mention paper.

W. T. GOUGH & CO., Abilene, Kan.

PURE BRED SEED.

We have one thousand bushels of pure bred Black Dwarf Cane Seed for sale for \$1.50 per bushel, f. o. b. ears at Syracuse, Kan. This seed was raised without irrigation and is pure. Samples upon request.

L. P. WORDEN & SON,
Syracuse, Kansas

When writing advertisers please mention Kansas Farmer.

THE BAILOR TWO ROW CULTIVATOR

HAS A REPUTATION AT THE HEAD OF THE LIST. Mr. Rankin's foreman insisted on using The Bailer.

Tarkio, Mo., April 23rd, 1910. Gentlemen I was for seven years Foreman of the home ranch, of David Rankin at Tarkio, Mo., where the great number of cultivators used made the question of quality one of great importance. We had the least trouble when we used the Bailer exclusively. It is the lightest of draft, the easiest to operate, and does the most thorough work; in fact, the only thoroughly, practical, two row cultivator in all conditions of soil and work, and I insisted on using it when I was responsible for the work and had no time to experiment with cultivators we could not operate successfully.

Yours truly,

JOE GIGGINS,

DROP US A CARD AND WE WILL SEND A PROPOSITION THAT WILL GET NEXT TO YOU.

BAILOR PLOW CO., ATCHISON, KANSAS

Colorado Land

KIT CARSON COUNTY, COLORADO

I offer 35,000 acres agricultural land in Kit Carson county at \$7.50 per acre on easy terms and long time. Averages 90 per cent smooth land. All tillable, good soil and water guaranteed. A splendid colonization proposition.

ALBERT E. KING,

McPHERSON, KAN.

SUB IRRIGATED COLORADO LANDS

From \$5 to \$15 per acre in the largest shallow water basin in Eastern Colorado. Land that is double the value of Western Kansas land for half the price. Send for our folder in which we give the prices of 1,000,000 acres.

Kit Carson,

KIT CARSON COMPANY,

Colorado.

SOUTHWESTERN COLORADO.

160 acres of fruit land, with ample, reliable and well defined private water rights, valued at \$3,000; near railroad and school, 45 acres in alfalfa; all fenced. Red, sandy loam, deep, rich, and very productive, free from alkali, 145 acres under water; no waste land. Owned by non-residents, who cannot give it the necessary attention. No buildings, but very desirable property, surrounded by well improved farms; delightful climate, etc., free from malarial and bronchial troubles. Altitude about 6,500 feet. Price \$65 per acre. Can be sub-divided into small tracts. Terms 1/4 cash, balance on 3 or 5 years' time, at current rate of interest. For particulars address the Durango, FRANK ELDREDGE INVESTMENT CO., Colorado.

\$11.50 --- PER ACRE --- \$11.50

For 640 acres of the best land east of Denver in Colorado, worth \$17.05 to \$20.00 by Sept. 1st. Write for information and terms.

Longmont,

THE LONGMONT REALTY CO.,

Colorado.

PAONIA, COLORADO

The greatest fruit shipping point in the west. Twenty fruit crops without a failure, orchards pay 20 per cent annually upon present values. Climate, water, and fuel unsurpassed. Write for free booklet to

CLINE & HUFTY, 284 Second St.

LIVE AGENTS wanted to sell Washington County land; big crops are being raised every year. Write for offer. The Clarey Land Co., Akron, Colo.

YUMA COUNTY, COLORADO

Lands \$14 to \$20 per acre, where all staples produce big crops. Write for free list.

B. M. WEAR, Jr., Yuma, Colo.

SAN LUIS VALLEY, COLORADO. Irrigated pea, alfalfa, hay and livestock farms, \$45 to \$90 per acre. Write for full information. HAIGLER REALTY CO., 113 1/2 E. Pike's Peak Avenue, Colorado Springs, Colorado.

EASTERN COLORADO Lands at lowest prices and best terms. If you want a good home or investment, you should see me. I have been here for 17 years. Inclose stamp for reply.

THE GENOA LAND COMPANY, Genoa, Colo.

EASTERN COLORADO Lands \$10 an acre and up. Live agents wanted. Write for our descriptive literature, and county map, mailed free.

HAYNES LAND CO.,

Vona, Colo.

YUMA COUNTY, COLO.

Lands that raise big crops of all staples, \$10 to \$15 per acre. Great opportunities for home seeker and investor. I own a few quarters, which I will sell cheap.

A. L. KISSINGER, U. S. Commissioner, Yuma, Colorado

WASHINGTON COUNTY, COLORADO.

Corn and wheat lands \$7 to \$30 per acre. Prices advancing rapidly—now is the time to buy. 320 acre homesteads and cheap relinquishments. Write for free list.

THE AKRON LAND CO., Inc.,

Akron, Colo.

LANDS that raise big crops of all staples, near towns, churches and schools and neighbors, \$10 to \$25. Will locate you on a 320 acre homestead relinquishment. Act quickly. Write for full information. Empire Land & Cattle Co., Akron, Colo.

\$7 to \$15 per A. on liberal terms. Homestead relinquishments, \$100 to \$800 each. Where rainfall is plentiful, and prices are rapidly advancing. Write for full information stating what you want. Maher & Hanks, Deer Trail, Colo.

LANDS.

Adams, Arapahoe and Elbert County, Colo. Produce big crops, all staples; \$8.50 to \$17.50 per acre. For a good home, or investment that will increase rapidly, write for free list and descriptive literature.

PARKS BROS. & ORTON,

Longmont, Colo.

CHEYENNE COUNTY, COLORADO. Where land often pays for itself in one crop. For \$8 to \$16 we can sell you choice land, well located, near schools, churches and markets. Write or see

WILD HORSE LAND CO.,

Wild Horse, Colorado.

LA PLATA COUNTY

Irrigated lands \$25 an acre and upward; in new country, about to be tapped by another railroad—the C. & S. Fruit, vegetables and all staples produce big crops. Price lists and large pamphlet free.

BOYLE REALTY CO., Durango, Colo.

SOUTHWESTERN COLORADO.

New fruit, hay, grain, potato country; fertile land, perpetual water rights, \$50 an acre. Soon to have trans-continental railroad which will double and treble land values. Descriptive literature free. THE GALLOTTI INV. CO., Durango, Colo.

GOOD LAND, Kit Carson County, Colo., \$8.50 to \$25. Why stay east and pay big rent when you can come to Kit Carson county and buy a home for the rent you pay for the eastern farm one year. Land produces wheat, barley, oats, corn, alfalfa, etc. Write for colored map of Colorado, sent free.

G. W. DINGMAN,

Stratton,

Colorado.

FREE, MAPS, handsomely illustrated literature, and valuable pamphlet describing the San Luis Valley. Write today. Illinois Realty Co., Monte Vista, Colo.

FREE

Illustrated descriptive pamphlet and booklets telling all about Eastern Colorado; choice land at \$10 to \$20 per acre.

KENNEDY LAND CO.,

Limon,

Colorado

LIST OF LANDS for sale at \$5 per acre, and up free, 320 acre homesteads located. Relinquishments for sale. R. A. SHOOK, Akron, Colo.

LINCOLN COUNTY, COLORADO.

Corn, wheat, and alfalfa lands \$12 to \$25, on liberal terms; are well located, mostly smooth, dark chocolate loam soil; raises big crops, all staples. Prices are rapidly advancing; buy now and get in on the ground floor. Write for illustrated descriptive literature and sectional map of eastern Colorado, mailed free.

COLORADO LAND INV. CO., Arriba, Colo.

NORTHERN COLORADO.

Grover District. Famous Crow Creek Valley. Three years ago practically unknown except to the cattlemen, who recognized it as best range country in U. S. Luxuriant grass and thousands of acres natural hay meadows. Rapidly developing into fine farming country. Any sized tract in relinquishments deeded, dry or irrigated land, \$2 to \$45 acre. G. A. HILL, Berthoud, Colo.

DO YOU WANT A HOME?

Buy now in Washington county, Colo., where choice land, with best of soil, can be had, where good farms raise from 20 to 45 bu. wheat per acre and oats, barley, corn, speltz, potatoes and alfalfa grow abundantly on upland without irrigation; in a county rapidly settling and being improved by good thrifty farmers. We have many tracts of choice, smooth, fertile farm land, healthful climate and abundance of good water, at prices ranging from \$8 to \$15 per acre. If you are looking for good investments write or see

VANDERHOOF & McDONALD, Otis, Colo.

MUNTZING PAYS THE FREIGHT.

Farms, Sheep and Also Cattle and Horse Ranches.

I own 40,000 acres of choice lands in Washington and Yuma counties, and am offering both improved and raw lands at prices far below all others and on terms to suit all purchasers. Monthly payments if desired. 160 and 320 acre relinquishments adjoining lands offered for sale. Best of wheat, oats, cane, corn, potatoes and alfalfa lands. I refund railroad fare and hotel bills to those who purchase from me. All lands are level, smooth and rich farm lands. NONE better. COME NOW and buy homes and get the free ride. Why pay big commission when you can buy direct from the owner? Write for maps, plats, price lists and explanations and proofs to

AUGUST MUNTZING, Akron, Colo.

IN SUNNY COLORADO.

We have for sale fine country and suburban homes along the line of the Denver, Laramie and Northwestern Ry., now building and operating through the rich irrigated valleys along the eastern base of the Rocky Mountains.

There are now opportunities that only come once to buy at first cost a 5 to 10-acre Garden Tract for a Suburban Home or a 20, 40 or 80-acre farm. Our properties are all improved and have valuable water rights, close to new towns along the line, and the early purchasers have all advantages of the growth of the towns and country.

Our properties have the three essential factors which every buyer should consider; namely, ideal climatic conditions, social environment above the average, tracts and farms that make ideal homes.

At the new town of Milliken, 12 miles from Greeley, we have lots and acreage tracts for sale.

We will soon place upon the market in 5-acre tracts, 320 acres located within easy walking distance to the State Normal School in Greeley. We want a dense settlement along this railroad. Write us for information today. The Colony Investment Co., Immigration Agents, Greeley, Colo.

FREE LAND

AND FREE WATER RIGHTS IN NORTHWESTERN COLORADO

Write to-day for map and booklet telling how to get 160 or 320 acres of government land. Deep, Rich Soil in River Valley. Land and irrigation water absolutely free. Railroad now being built through a million acres of free land. Fine crops of grain and vegetables; good local market. Best grass country in the west. We have no land and no water rights to sell. They are free. W. F. JONES, Gen. Traf. Mgr., D. N. W. & P. Ry. Room 708 Majestic Bldg. Denver, Colo.

STOP! LOOK! LISTEN!

to what we have to say in regard to our business. We have a large list of the best lands in Morgan County. Should you desire a good irrigated farm, good dry land on a homestead, communicate with us or come and give us an opportunity to show you what we have.

B. W. JACKSON REALTY CO., Fort Morgan, Colorado

COLORADO LANDS

Send for our descriptive map folder of Eastern Colorado, mailed free upon request. We have many bargains in wheat and alfalfa land, nice and smooth, at \$8.50 to \$20 per acre.

FLAGLER LOAN & INV. CO., Flagler, Kit Carson County, Colo.

IF YOU WANT TO BUY AN IRRIGATED FARM

that will produce big crops of all staples, at a reasonable price. Write to or call on C. B. Henderson, Loveland, Colo.

I. L. DARBY

THE PIONEER LAND MAN

Government and Deeded Lands and Town Property. 320 acre Homesteads. Snaps in Relinquishments. Write for new illustrated folder, mailed free.

Grover, Colo.

DO YOU WANT TO BUY Eastern Colorado lands? Write for our free folder of 28 large illustrated pages. Cheyenne County Land Co., Cheyenne Wells, Colo.

640 acres fenced and cross-fenced, twelve miles of Denver, three miles of Parker, Colo., well grassed, has living water sufficient to water 200 head of stock every day in the year, \$12 per acre, half cash, balance in one and two years at 6 per cent. Several other bargains just as good. Write

A. J. SIMONSON, Denver, 214 Cooper Bldg., Colo.

KIT CARSON COUNTY, COLORADO.

Corn, wheat and alfalfa lands, at \$10 to \$25 per acre, according to location and improvements. Prices are rapidly advancing, and the time to buy is now. Write for our free illustrated booklet, stating what you want. A live agent wanted in your locality.

Burlington, A. W. WINEGAR, Colo.

EASTERN COLORADO—The home of wheat, barley, millet, cane, broom corn, speltz, and all staples. Lands are now very cheap, from \$9 to \$11 per acre for raw land and to about \$20 an acre for improved farms, but are rapidly advancing in price. Write for free printed matter, stating what you want.

McCRACKEN LAND CO., Burlington, Colo.

EASTERN COLORADO.

Our lands raise big crops of wheat, oats, flax and corn, and are rapidly increasing in value. If you act at once, we can sell you a good farm for \$12 to \$25 per acre. We want a hustling agent in your locality. Illustrated descriptive literature free upon request.

CLARENCE M. SMITH, Flagler, Colo.

*AS Sharpe
Dealer in
fruit lands
Write me for
full particulars
Fruita Colo.*

MONTEZUMA VALLEY LANDS.

In southwestern Colorado, a new country that is attracting much attention from the homeseeker and investor. Lands with good water rights, \$80 to \$100 per acre. These prices will undoubtedly double soon, and now is the time to buy. Write for state map, and handsome booklet, full of valuable information. BOZMAN REALTY CO., Cortez, Colorado.

SAN LUIS VALLEY.

4,037 acres fine farm land, adjoining good town. Cuts 1,000 tons splendid native hay. Some fine alfalfa, 100 acres potatoes, remainder grain and pasture. Good farm houses. Best water rights. Must sell at once, \$27.50 acre, 3,750 a. first class hay and farm lands near Alamosa; fine farm houses and barns. Improvements worth \$25,000. Good water rights; splendid artesian wells. Other bargains. BUTLER & HINES, Alamosa, Colo.

DELTA FRUIT LANDS

Delta County, Colo. shipped more fruit in '09 than any state in Union. 10 a. 12 year-old apples—near town, \$6,500. Easy terms. 20 a. A-1 fruit land and water, \$1,500. Write for booklet. Price lists and transportation.

SURFACE CREEK REALTY CO.,

Delta, Colo.

FREE HOMESTEADS

In Colorado. Big Crops. No Irrigation. I will send you a sample of the soil. Rainfall chart, maps, law and valuable information if stamp is enclosed. Harry G. Matteson, Otis, Colo.

COLORADO LAND.

Before buying land in the San Luis Valley, write San Luis Land Bureau, Monte Vista, Colo., for report on soil, irrigation, etc. Grand climate, beautiful mountain scenery, wonderful fertility, and land is cheap.

MONTEZUMA VALLEY—Land of red soil; produces all crops; fruit, hay, wheat, oats, barley, potatoes. Prices \$30 to \$100 per acre, and advancing rapidly. Now is the accepted time. Literature free, describing this beautiful valley. Closson & Huff, Cortez, Colo.

LANDS! LANDS!

In the famous San Luis Valley. Land from \$40 to \$125. Crops abundant. Unexcelled water rights. We live here, are old ranchers here, and own land here. Write for handsome illustrated booklet mailed free. DWIGHT G. GOVE, Monte Vista, Colo.

SAN LUIS VALLEY.

Irrigated land with perpetual water rights in tracts to suit on easy terms. Prices still far below real value. Produce alfalfa, peas, potatoes, wheat, oats and fat stock. THE TRANS-MISSISSIPPI INV. CO., Inc., La Jara, Colo.

ARE YOU MAKING MONEY?

95 per cent of the San Luis Valley farmers are getting rich. Why? Because they are producing the finest pork and mutton in the world at lowest possible cost. Our free illustrated folder tells how. Write for one. C. W. FOSTER, Monte Vista, Colo.

LOVELAND, COLO.

The land of irrigation and sunshine, sugar beets, wheat and alfalfa produce big crops if you want a good home or increasing investment, write or see

ARTHUR H. GODDARD, Loveland, Colo.

WANTED.

Agents to assist in selling eastern Colorado land. A good opening for alive men in your locality, one who can produce results. Write for our liberal offer, and full information.

ARRIBA LAND CO., Arriba, Colo.

SAN LUIS VALLEY.

Write for free handsomely illustrated booklet, before you buy land in the San Luis Valley. This book contains much information, invaluable to the prospective settler or investor. Book is just off the press. Send your name today, for a free copy.

C. C. KERR & CO., Monte Vista, Colo.

EASTERN COLORADO LANDS

\$12 to \$25 per acre; about 1-3 cash, balance to suit purchaser. Also homestead relinquishments for sale cheap.

A. TERWILLIGER, Prop., Byers Hotel, Byers, Colo.

SAN LUIS VALLEY

Lands where big crops of potatoes, alfalfa, peas, etc., grow to perfection. Reasonable prices; good terms. Write for illustrated literature, mailed free.

W. P. FISHER COMPANY, La Jara, Colo.

20,000 FARMERS

can make money in Montezuma Valley. You can be one of them. Information furnished by

VINCENT & WOODS, Cortez, Colo.

EDUCATE

As to irrigated lands and prices of water. Montezuma Valley LANDS SELL YOURSELF QUICKLY to the MAN HARRY V. PYLE, the Guide, for information concerning the cheapest irrigated system in the Middle West.

DOLORES, the GATEWAY, Dolores, Colo.

GRAND RIVER VALLEY

The famous orchard district of the western slope of Colorado, orchard tracts in any size to suit purchaser at various prices. Bearing orchards often pay \$500.00 an acre net profit per annum. Write for full information.

E. A. LOOMIS, Fruita, Colo.

CHOICE COLORADO AND WYOMING LANDS

15,000 acres patented land near Cheyenne, Wyo. Fenced. Well watered. Excellent soil. Fine improvements, including dwellings with hot and cold water, telephone, etc. In the midst of best dry farming section. A large part could be irrigated. An ideal proposition either for colonization, farming, or a cattle ranch. Price is \$7.50 per acre. 6,080 acres excellent dry farm land in Eastern Colorado, near Limon; surrounded by good farms. Level; rich soil; 3 sections fenced. Some in cultivation. Good improvements. Very best tract for colonization in Colorado. Price \$12 per acre.

The above are only samples of our bargains and if you wish smaller tracts or a different variety of land, we can offer you surprising bargains. Have sold over a million acres and never failed to make money for my customers.

THE ARMSTRONG-WILLIAMS REALTY CO.,

P25 17th St., Denver, Colo.

TEXAS LAND

LOWER PECOS VALLEY IRRIGATED LANDS

Pay 50 to 200 Per Cent Net Annual Income in Alfalfa and Fruits.

We are the owners' Exclusive Selling Agents for Arno or Zimmerman lands sold in tracts from 10 acres and upwards including perpetual paid up water rights and proportionate ownership of the irrigated system. These lands will pay 100 per cent annual income.

We also have a number of section tracts of arable land in the valley, back of the canal systems which we can sell at from \$6.00 to \$8.00 per acre on easy terms. Ask for Arno or Zimmerman descriptive folders. Address

THE HEATH COMPANY, 109 W. 7th St., Topeka, Kan.

TEXAS PUBLIC LANDS

The State of Texas has eight million acres for sale; \$1.00 to \$5.00 per acre; only one-fourth cash, forty years on balance; three per cent interest; good farming land; some don't require residence. Send 6c postage for further information. Journal Publishing Company, Box T-225, Houston, Texas.

Dalhart, Texas

is where we are located and we have some land bargains for the buyer. Write for our free, handsomely illustrated book or come to Dalhart and let us show you a country without a fault.

J. N. JOHNSON LAND COMPANY, Dalhart, Texas.

Oklahoma Land

IF YOU have money to loan on good farm and city security, write John Hankins, Chickasha, Okla.

FREE INFORMATION about Oklahoma. Homer H. Wilson. Here since 1893. Enid, Okla.

MAJOR COUNTY corn, wheat and alfalfa lands. Lowest prices. Best terms. Information free. J. Nile Godfrey, Fairview, Okla.

CADDO CO. FARMS. Best in Oklahoma for homes or investment. Your address on postal card will bring descriptive list and literature. BALDWIN & GIBBS CO., Anadarko, Okla.

CORN, OATS, WHEAT and alfalfa and all staple crops grow to perfection here in the garden of Oklahoma. Prices reasonable. Write for list and descriptive literature. C. E. POCHTEL, Newkirk, Okla.

EASTERN OKLAHOMA. Improved farm, 160 acres, good, new house, half section of unimproved land. Very fine. Several other good bargains. Write me if you want to know about Eastern Oklahoma. T. C. BOWLING, Owner, Pryor Creek, Okla.

WASHITA VALLEY LANDS. From \$10 to \$60 per acre offer great opportunities for investment. They are well located near railroads, towns, churches and schools. Write for further information. JOSEPH F. LOCKE LAND & LOAN CO., Wynnewood, Okla.

DO YOU WANT TO SELL YOUR FARM? Write us, we will give you good information. Hoffman's Compiled List Report, 328 Sedgwick Block, Wichita, Kan.

REAL ESTATE BROKERS. Mangum, Okla. Lands that produce big crops of cotton, alfalfa, corn, wheat and all other staples at very reasonable prices. Write for free list of bargains. McMILLAN & LANGFORD, Mangum, Okla.

"Hough Sells The Earth" In Caddo county, fertile, rich, cheap. Send 10 cents in stamps for handsome colored county map of Oklahoma, circulars and list. Letters answered in German or English. W. R. HOUGH, Apache, Okla.

CADDO COUNTY, OKLAHOMA. corn, wheat, cotton and alfalfa lands \$20.00 to \$75.00 per acre, according to improvements and distance from towns. Lands are advancing rapidly. Now is the time to buy. Write for full information. J. ELZIA JOHNSON, Hinton, Okla.

IMPROVED FARMS. 180 acres, 140 in cultivation, good 9-room house, barn 45x65, tool shed, and granary, 40x40, orchard, telephone, R. F. D., near school, four miles county seat. Price \$9,000. Write J. T. RAGAN, Vinita, Okla.

NOTICE TO RENTERS. Here is something you may never see advertised again: No. 240-160 acres, 3 miles from good town, 17 miles from R. R., 152 a. tillable, 85 a. in cultivation, 140 fruit trees, 2 room house, \$2,500. Terms, \$1,000 cash, bal. terms. Write us when you can come. THE GRAND INVESTMENT CO., Thomas, Okla.

160 ACRES 160 Fine land, 100 acres in cultivation, 6 1/2 miles from railroad. Price \$4,000. Terms on part. THE FIRST LOAN & MORTGAGE CO., Watonga, Okla.

WASHITA VALLEY LANDS. Good corn and alfalfa farm, four miles Pauls Valley, one mile State Industrial School. 170 acres, 150 under cultivation. 150 acres, Washita Valley, 6 room house, above overflow. Electric line soon. Price \$10,000. O. W. JONES, Pauls Valley, Okla.

A BARGAIN. 320 a. 7 miles of county seat, 3 1/2 miles of R. R. town, 1 1/2 miles to school, 160 a. deeded, 160 a. school land, 4 miles of 4-wire fence, 12 a. alfalfa, fine large orchard, 7-room house, summer kitchen of 2 rooms, 2 barns 46x56 and 40x44, large granary, 2 wells and mills, 2 hen houses, 8x28, all the crop as follows, Kafir corn, good soil, 45 a. pasture. Price for 30 days, \$11,000. BATTEN REALTY CO., Medford, Okla.

A FINE HOME FARM. 320 acres, 1 1/2 miles south Wagoner. New 7-room house, nice outhouses, good barn, granary, wagon shed, windmill, concrete tanks. Nice bearing orchard, 225 acres cultivation. Can most all be plowed. All good land, good set tenant improvements, 4 good wells, one of the best improved farms in the county. Price \$45.00 per acre. Lots of others. Write for information. W. H. LAWRENCE, Wagoner, Okla.

EASTERN OKLAHOMA. 200 acres, 7 miles from Muskogee, 2 miles of railroad town, all good valley land, living creek water, 20 acres cultivated, balance meadow, all fenced. In white settlement, on main road, close to church and school. Price \$30 per acre. Many other farms, improved and unimproved at \$25 to \$35 per acre. E. B. BEARD & CO., Muskogee, Okla.

Oklahoma Land Where corn, wheat, alfalfa and cotton are making the farmers rich. We specialize on Oklahoma, Cleveland, Logan and Washita counties. Fine alfalfa lands \$30 and upwards. Write for list and printed matter, mailed free. We also lead all in Oklahoma City property. FARM & HOME INV. CO., Culbertson Bldg., Oklahoma City, Okla.

MISSOURI LAND IMPROVED corn, clover and blue grass farms, 40 miles south Kansas City, \$50 to \$75 per acre. Jot M. Wilson & Son, Harrisonville, Mo.

CORN, clover and bluegrass farms in the best section of Missouri, very reasonable prices. Write for description. W. A. HORN, Harrisonville, Mo.

FOR SALE 60,000 acres of land in Saline and McDonald Counties, Mo. Especially adapted to the Fruit, Poultry and Dairy Business. Can be purchased on easy terms in 20 acre tracts or more. Write JOSEPH C. WATKINS, 305 Miners Bank Bldg., Joplin, Mo.

SMALL PAYMENT DOWN And one-half cent an acre per day buys a farm. We pay railroad fare of all who go with us to investigate our lands, whether they buy or not. Write for description booklet and further information. F. E. McNULTY, 719 New York Life Bldg., Kansas City, Mo.

DID YOU GO TOO FAR? Do you want to have a clover, bluegrass and timothy farm again? If so, write us. We sell well improved Johnson county farms for \$40 up. Write for our list, mailed free and postpaid. LEETON LAND CO., Leeton, Mo.

880 ACRES FINE TIMBER LAND. Abundant living spring makes ideal ranch; if cleared would be good agricultural, farms adjoining all sides can not be bought for \$50 per acre; near county seat; price \$75 per acre; no incumbrance; will take some trade. J. H. McQuarry Realty Co., 120 Commerce Bldg., Kansas City, Mo.

NEBRASKA LAND IRRIGATED HOMESTEADS. In the famous North Platte Valley, where Uncle Sam furnishes the water on ten years time without interest. Crops yield \$25 to \$100 per acre. Homesteads at from \$700 to \$3,500, according to improvements. Deeded lands \$75 to \$100 per acre. Free rural mail delivery, telephone and all modern farm conveniences. These lands in splendid settlement of fine homes near town. For particulars write or see CARPENTER, PLUMMER & MURPHY, Morrill, Nebraska.

45 BUSHELS WHEAT LAND, \$25 PER ACRE. We own and control 20,000 acres of Cheyenne county, Nebraska's choicest farm land now on the market. The heaviest crop yielding county in Nebraska for ten years; alfalfa also a leading crop. Ask for folders and full particulars. Agents wanted everywhere. Write for our proposition at once. Railroad fares refunded if things not as represented. FUNDINGSLAND & SEVERSON, Sidney, Nebraska.

SOUTHWESTERN NEBRASKA.

Known in early years as a part of The Great American Desert. And now is rapidly being transformed into a prosperous and very productive agricultural country. Better land for less money can not be found, everybody is wanting it, and Mr. Reader, remember the old adage, "The Lord for All and the Devil Get the Hindmost." Cast your lot with the former, by buying you a farm in Chase County.

THE CHASE COUNTY ABSTRACT CO., Imperial, Nebraska.

LANDS LANDS

Chase, Dundy and Perkins County. Crops haven't failed since '95. Prices range from \$6.00 to \$25.00 per acre. Also Colorado farms and ranches for sale. Write for free descriptive literature.

IMPERIAL LAND CO., Imperial, Neb.

Land Bargains

NEBRASKA, Colorado and Kansas lands, well located in Dundy County, Neb., Yuma County, Colo., and Cheyenne County, Kan. \$10.00 to \$25.00 per acre for good, smooth land. Some 640 acre relinquishments yet.

HAIGLER R. E. & INV. CO., Haigler, Neb.

NEBRASKA

160 acres, only 4 1/2 miles from Benkelman. \$15.00 an acre, if sold at once. Has about 100 acres good corn land, and about 80 in cultivation. Telephone and rural delivery lines are right there; school 1 mile, one-half down. balance at 8 per cent. Other farms.

D. L. OUGH, Benkelman, Neb.

EXCHANGE COLUMN

BUY OR TRADE with us. Send for list. BERSIE-MEREDITH, Eldorado, Kansas.

FOR SALE OR EXCHANGE. Alfalfa land in shallow water district of Oklahoma in 40 to 640 acre tracts, \$20 to \$65 per acre. For particulars write C. B. RHODES R. E. & INV. CO., 4400 Heist Bldg., Kansas City, Mo.

TO EXCHANGE—17-room hotel in southern Iowa to trade for cheap land or stock of goods. Several farms and city property to trade for stocks of goods. I can match any kind of a trade. Henry G. Parsons, Lawrence, Kan.

FOR SALE OR EXCHANGE FOR OTHER PROPERTY. 17-room hotel, finished new throughout, in growing town; best hotel in town—practically no competition. Also some snaps in Gove and Sheridan county land. D. A. BORAH, Cashier State Bank, Grinnell, Kansas.

TO EXCHANGE FOR KANSAS FARM. Suburban grocery stock, will invoice about \$3,000. Will assume some on farm. Residence properties in Kansas City and 20 farms, Kansas and Missouri, ranging from 80 to 400 acres each to exchange. J. E. REED REALTY CO., 628 N. Y. Life, Kansas City, Mo.

FOR SALE OR EXCHANGE, WEST CENTRAL KANSAS LAND. Wheat, corn and alfalfa lands, Lane and Gove counties, \$15 to \$25 an acre. Prices advancing rapidly. If you have a good trade to offer write us. W. H. DAYTON LAND CO., Abilene, Kan.

FOR SALE AND EXCHANGE. Kansas and Missouri farms for city property, stocks merchandise, and other farms. Describe what you have, will make you a good trade. List your farms for exchange with us. R. R. Woodward Real Estate & Investment Company, 204 N. Y. Life Bldg., Kansas City, Mo.

FOR SALE OR EXCHANGE 240 a. less the right-of-way of the R. R., 1/2 mi. Kincaid, Anderson Co., Kan., town of 500 pop. and 2 R. R., 160 a. fine valley land; 80 a. rolling up land pasture; good new 7-room house; large frame barn; outbuildings; orchard. Price \$30 per a. A snap. SEWELL LAND CO., Garnett, Kansas.

For Sale or Exchange 80 acres, well improved, all in cultivation, one mile R. R. town near Wichita, Kan. All A1 alfalfa land. Part in alfalfa now. Price \$100 per acre. Address W. A. STOUT, Wichita, Kan.

TREGO COUNTY

Lands for sale or exchange; prices \$15 to \$40 per acre, also city property and stocks of merchandise. If you have a good trade to offer, no matter where it is located or what it is, write us. ED. PORTER LAND AGENCY, Wakeeney, Kansas.

TO TRADE

550 acre grain, grass, alfalfa and stock farm, close to good town, 100 mi. S. W. of Wichita, a fine combination farm, \$50 per acre, \$12,000 inc., 5 years, 6 per cent, want income, property or merchandise for equity of \$15,500. Address BOX 382, Kiowa, Kansas.

FOR SALE OR TRADE

A clothing store, involving \$7,000 and \$8,000, stock in good condition consisting of men's and boys' clothing, hats, shoes and furnishings. Store room 25x50 ft., modern front, good fixtures, rent \$25 per month. Situated in a growing coal mining town with new mines being opened continually. population about 2,000. Only exclusive clothing store in the town. Will trade for par or all in Kansas farm land. No middle man. Address, H. DEGAN, Pittsburg, Kan.

FREE HOMESTEADS.

Can locate you on 640 acre relinquishments in Nebraska or 320 acre government homesteads in Eastern Colorado on main line of E. & M. R. R. Also fine deeded lands, town property and stocks of merchandise for sale or exchange. I make a specialty of exchanges. Real estate men, send me your exchange lists.

Haigler, M. W. M. SWAN, Neb.

WYOMING LANDS

FREE—320-ACRE Homesteads—Millions of acres; fertile lands, valuable information, laws, maps showing how and where to locate sent for 35c, mailing cost. Western Land Company, K 404, Cheyenne, Wyo.

IOWA COLONY

\$15 lands near Cheyenne, 2 grows crops equal to \$100 lands anywhere. Don't drown out or dry out—have rain enough. Finest climate and water. Maps free. HARTUNG LAND COMPANY, Cheyenne, Wyo.

FOR SALE—4400 acre stock ranch 25 miles south of Laramie, Wyo. 1000 acres of water rights. Splendid free range. \$15,000 worth of improvements, \$7 per acre. Terms, The Western Irrigated Lands Co., Laramie, Wyo.

1200 ACRES IMPROVED IRRIGATED land 30 miles from Laramie on R. R. Growing hay, oats and alfalfa. 1000 acres state leased land fenced. Lease assigned to purchaser free. Splendid free range adjoining. Valuable improvements, \$20 per acre. Terms, The Western Irrigated Lands Co., Laramie, Wyo.

COLORADO LAND

UNCOMPAHGRE VALLEY LANDS. Where fruit pays 50 per cent interest on the value of the land, and all staples grow to perfection. We sell these lands at very reasonable prices. Write for full information. JONES-HAWES REALTY CO., Montrose, Colo.

COLORADO FRUIT LANDS That pay big interest on the capital invested. Reasonable prices and terms. Write for full information, stating what you want. PAUL WILSON, Hotchkiss, Colorado.

IRRIGATED LANDS In the Uncompahgre Valley with good water rights, raise good crops, all staples and fruit at reasonable prices. In new country; values are advancing rapidly. Write for full information. Hays & Smith, Montrose, Colo.

NORTH FORK VALLEY. Fruit lands, stock ranches, sugar beet and hay lands for sale at very reasonable prices. In the best fruit section of Colorado. Write for illustrated descriptive literature, sent free.

THE NORTH FORK REALTY CO., Hotchkiss, Colo.

COLORADO FRUIT LANDS. Famous Grand River Valley. Lands pay big interest on capital invested. Prices advancing rapidly; now is the time to buy. Write for large, 60-page, descriptive pamphlet, mailed free upon request. \$ FOR & REALTY CO., Fruita, Colo.

COLORADO FRUIT LANDS, famous North Fork Valley. Good fruit land with gilt edge water right on Fruitland Mesa. \$50 to \$100 acre, or a nice small tract all set to standard fruit, apples or peaches or both, perfect water rights, fine stand \$225 acre, bearing orchards \$600 to \$1,000 acre. Illustrated booklet mailed free upon request. E. S. Gould & F. D. Willoughby, Hotchkiss, Colo.

GRAND RIVER VALLEY

The famous fruit district of the United States. Fruit lands will pay an average of 20 per cent on the capital invested. Write for free descriptive booklet. R. H. BANCROFT & CO., Paoli, Colo.

DELTA COUNTY, COLO.

Fruit and all staples produce big crops. Dry lands, \$5 an acre and up. Irrigated lands \$50 an acre and up. We have large list of lands. Write us. THE FITCHER-NEVILLE REALTY CO., Delta, Colo.

HOTCHKISS, COLO.

In the best fruit section of the Western Slope. Good fruit land, with water-right, can still be bought for \$100 to \$150 per acre. Values will undoubtedly double and treble soon. Send your name for large illustrated pamphlet mailed free. O. F. DICKSON & CO., Hotchkiss, Colo.

PAONIA, COLORADO

In the best fruit section of the Western Slope. Fruit land pays 20 per cent per annum on the capital invested. Prices still reasonable, but advancing rapidly. Write for free illustrated folder, containing much interesting information. C. C. HAWKINS, Paonia, Colo.

BOYS

make money catching gophers. Write for special offer, how you can get a Sure Catch gopher trap free. A. F. RENKEN TRAP CO., Box 32, Kramer, Neb.

A Fine Specimen of Pen Art.

We are in receipt of one of the Lawrence Business College catalogs. It is a fine specimen of pen art. The Lawrence Business College is one of the strongest institutions of its kind in Kansas. The writer recently visited this school and can recommend it to all young men and women desiring a thorough business education. Look up ad in this issue and write for nicely illustrated catalog of art. Mention Kansas Farmer.

FIELD NOTES

FIELD MEN.

W. Devine,Topeka, Kan.
 R. Johnson,Clay Center, Kan.
 G. Sollenbarger,Woodston, Kan.



PURE BRED STOCK SALES.

- Shorthorn Cattle.**
 10—C. S. Nevius, Chiles, Kan.
 11—H. E. Hayes, Olathe, Kan.
 12—J. E. Joines, Clyde, Kan.
- Jersey Cattle.**
 30, 1910—Kinloch Farm, Kirksville, Mo.
- Herkford Cattle.**
 10—T. I. Woodall, Fall River, Kan.
- Poland Chinas.**
 11—E. H. Davidson, St. John, Kan.
 20—J. D. Spangler, Sharon, Kan.
 5—Homer Gruver, Spring Hill, Kan.
 12—W. B. Stafford, Bronson, Kan.
 13—Bert G. Wise, Reserve, Kan.
 14—T. J. Dawe, Troy, Kan.
 15—J. B. Whipple, Fall City, Neb.
 18—Herman Groninger & Sons, Ben-
 na, Kan.
 19—A. B. Garrison, Summerfield, Kan.
 20—Hubert J. Griffiths, Clay Center,
 Kan.
 21—J. M. Ross, Valley Falls, Kan., and
 E. Long, Ozarkie, Kan., sale at Val-
 falls.
 22—H. C. Graner, Lancaster, Kan.
 23—W. C. Slinger, Hiawatha, Kan.
 24—W. R. Webb, Bendena, Kan.
 25—G. M. Hull, Garnett, Kan.
 26—Walter Hildwein, Fairview, Kan.
 27—J. H. Harter, Westmoreland, Kan.
 28—J. R. Berkey, Louisville, Kan.
 29—H. B. Walter, Effingham, Kan.
 1—H. B. Walter, Effingham, Kan.
 1—H. F. Pelphrey, Humboldt, Kan.
 2—J. W. Pelphrey, Chanute, Kan.
 2—Albert Smith & Sons, Superior, Neb.
 2—R. J. Peckham, Pawnee City, Neb.
 3—George W. Smith, Burchard, Neb.
 4—Bert G. Wise, Reserve, Kan.
 3—D. W. Evans, Fairview, Kan.
 9—T. J. Meisner, Sabetha, Kan.
 10—W. R. Stump, Blue Rapids, Kan.
 11—S. B. Amcoats, Clay Center, Kan.
 16—W. A. Prewett, Asherville, Kan.
 19—G. W. Roberts, Larned, Kan.
 18—H. F. Pelphrey, Humboldt, Kan.
 19—J. W. Pelphrey, Chanute, Kan.
 20—Roy Johnston, South Mound, Kan.
 26—W. R. Stump, Blue Rapids, Kan.
 7—J. M. Ross and W. E. Long, Valley
 Falls, Kan.
 9, 1911—Albert Smith & Sons, Su-
 perior, Neb.
 1—H. B. Walter, Effingham, Kan.
 1—J. H. Harter, Westmoreland, Kan.
- Duroc Jerseys.**
 8—Thompson Bros., Garrison, Kan.
 6—J. E. Joines, Clyde, Kan.
 1—Thompson Bros., Garrison, Kan.
- Horses.**
 6—W. S. Corsa, Whitehall, Ill.

Spotted Poland Chinas.
 The big spotted Poland Chinas are
 with favor among Kansas farmers
 led by a report from Mr. H. L.
 her, proprietor of the famous High-
 Breeding Farm where none but the
 dotted sort are handled. Mr. Faulk-
 nites that he has already booked over
 ers for future delivery. These are
 pigs and much will be saved the
 ser on express on account of early
 ent while they are small. He men-
 having shipped two bred gilts to
 parties the day the letter was
 n and states further that he has about
 ing pigs left. He is anxious to get
 all sold and shipped out so he can
 is tent and repair to some quiet
 nd spend the summer months fishing.
 hogs and a good time seem to go
 in hand. Mention Kansas Farmer
 writing him about the pigs.

The Nevius' Shorthorn Sale.
 y-seven high class Shorthorn fe-
 and eight bulls will be offered in
 S. Nevius' sale at Chiles, Kan., on
 June 10. The Nevius' herd fur-
 show animals every year and there
 some choice ones among those of-
 Ask for a catalog.

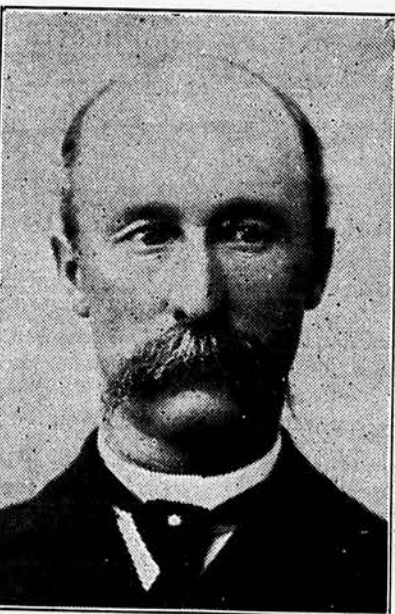
The Hayes' Shorthorn Sale.
 n Marr 286261 will be included in
 uthern offering to be made by H.
 es at Olathe, Kan., on Saturday.
 There will be a very choice lot
 ales offered and no good farmer or
 can afford to miss this sale. Ask
 yes for a free catalog and mention
 Kansas Farmer.

Kansas State Fair, Hutchinson, Kan.
 is no state fair in this country
 s paid more attention to the breed-
 succeeded better in keeping it a
 meeting than the Kansas State
 Hutchinson. This is the tenth year
 is effort has been made and the
 Catalog this year will disclose
 that still greater attention is be-
 d breeders by enlarged classifica-
 and more money for prize winners.
 Ir has always been conducted by
 men for business men and is a
 proposition. The breeders and
 are as much business men as
 they occupied places behind calico
 counters. The purpose of any suc-
 fair is to make it an educational in-
 viden the general welfare. These
 have been attained by the manage-
 this fair as is proven by its in-
 attendance and the additional fac-
 ually required to accommodate
 bitors. We respectfully and cor-
 vite the cooperation of the breed-
 Kansas especially, and whether they
 r not, we desire their presence.
 r and stockman will certainly be
 he has the money to buy pure
 to improve his herds and flocks,
 to become acquainted with the
 nd weigh for himself the relative
 e exhibits. The high priced
 e forcing all land owners to im-
 air stock, because they are becom-
 nt with the fact that the eas-
 of beef or pork made is that
 bred on the animal. The demand

for horses and mules is increasing by rea-
 son of the more attention being paid to
 cropping. The farmers are in the market
 for good horses to take to their respective
 communities for breeding purposes. Never
 before was this fair so distinctly a breeders'
 meeting as this year and there will be more
 in attendance as exhibitors than ever be-
 fore and there will be more and plenty of
 interested people to visit their barns and
 pens. The first futurity that was ever pro-
 moted by a circuit in the United States.
 was opened by the Kansas and Oklahoma
 Circuit two years ago. This futurity for
 two-year-old trotters and pacers will be
 raced on the Hutchinson tract this year,
 September 12 to 17. Fifty-three colts have
 paid their last payment which makes them
 eligible up to the evening before the races.
 The amount of money in these futurities
 will be very near \$5,000. The meeting at
 Hutchinson is a breeders' meeting. It has
 always been the policy of this association
 to foster the industry and it is most fitting
 that this first futurity event should occur
 here. There are fifteen other harness racing
 events at this meeting as follows: Trotting
 for three-year-olds (closed) \$500; 2:30,
 \$1,000; 2:21, \$600; 2:19, \$1,000; 2:17, \$800;
 2:15, \$800; 2:12, \$800. Pacing for three-
 year-olds, \$500; 2:25, \$1,000; 2:20, \$500;
 2:15, \$800; 2:14, \$1,000; 2:12, \$800; 2:09,
 \$800; free-for-all, \$300. Besides the har-
 ness racing there will be eighteen or more
 running races including the Kansas Derby.
 The running races will be under the rules
 of the newly organized Central Jockey
 Club. This is the most popular meeting in
 the great southwest, and the most largely
 attended. It will pay any breeder or owner
 of a stable out this year to look well to
 this circuit and to the meeting at Hutchin-
 son especially. Secretary A. L. Sponser
 will be glad to answer any inquiries. All
 harness races are stake races and all ex-
 cept colt stakes which are closed, will close
 July 1st. Send for entry blanks, also
 premium catalog.

The Poland China herd owned by S. B.
 Young and J. R. Kimmerring, Globe, Kan.,
 is headed by First Choice 34181, sired by
 Grand Chief 29740 and dam Kemp's Choice
 (68406) and Little Bear 51511 by Come On
 41142 and dam Glory (104081). Leach 3rd
 (113943) is one of the good producing sows
 of the herd sired by a Perfection boar and
 out of Expansion dam, and two other good
 sows, half sisters to Leach 3rd are Glasco
 Lady (133141) and Lady Plover (133140).
 by Glasco Chief 46943. Irish Girl (133143),
 bred by J. R. Stewart & Sons, Fortis, Kan.,
 never fails to produce something showy.
 We are offering a good bunch of fall gilts
 for sale bred or open, also two good fall
 boars by First Choice and out of Irish Girl.
 We will tell you more about this herd in the
 next issue of this paper.

The above cut is from a photo of Mr. J.
 M. Dryden, breeder of Ohio Improved Ches-
 ter White swine. Mr. Dryden lives at
 Phelps City, Mo., and owns a fine herd of
 this popular breed of swine. He has had
 ten years' experience and has sold some
 mighty good ones. His present herd boar
 is Chieftain 19293. His sire was Choice
 Goods he by Captain 14119, his dam was
 Lady Belle by Mark 12089. There are on
 the farm at present about 50 fine pigs all
 sired by Chieftain and out of such sows as



Mina 26092, sired by Big Dick, tracing to
 Kerr Dick, grand champion at American
 Royal. Her dam, Mira Belle, sired by
 Jackson Chief, grand champion boar at St.
 Louis World's Fair; Sally 26221, grand-
 daughter of White Oak, winner of two
 firsts at St. Louis World's Fair; Evelyn
 21595, Roxena 24311 by Sago Boy, grandson
 of McKinley, winner of grand champion-
 ship at American Royal 1908. Mr. Dryden
 also has a fine flock of pure bred Plymouth
 Rocks. Write him about September gilts
 and spring pigs, and be assured that you
 are dealing with a square man.

Vrtiska's Durocs.
 We are in receipt of Mr. Frank Vrtiska's
 private sale catalog. Mr. Vrtiska is lo-
 cated at Pawnee City, Neb., and owns one
 of the good Duroc Jersey herds of that
 state. His spring crop of pigs number 145
 head. They are by the herd boars, Golden
 Rule Jr. by old Golden Rule 46013 and out
 of Cedar Vale Queen 8th, a show sow of
 note. Sir Royal Chief by Ohio Chief and
 out of Royal Blossom 5th, sweepstakes at
 four state fairs. Among the dams of pigs
 are sows by such sires as Pal's Queen by
 Good Enough 22437. Princess by Bell's
 Chief 4th 79981. Alice Challenger by Chief
 Kanthebeate, Savannah Bell Again by Ohio
 Chief and out of the noted sow, Savannah
 Bell. May Sunshine by Bell's Chief 22727.
 Nebraska Wonder by Prince Wonder 21023.
 Col's Beauty by King of Cola, 16076, and
 several good daughters of Golden Rule Jr.
 Mr. Vrtiska will make prices that will in-
 terest readers. He has some choice bred
 gilts for immediate sale. Write him and
 mention Kansas Farmer.

Best Son of Neb. Wonder.
 In this issue of Kansas Farmer will be
 found the advertisement of Mr. A. B.
 Skadden of Frankfort, Kan. Mr. Skadden
 is one of the successful Duroc Jersey
 breeders of Kansas and has always at-
 tracted attention on account of his good
 judgment in selecting breeding stock. He of-

fers for sale at a very reasonable figure
 the herd boar Skadden's Wonder 74645.
 Skadden's Wonder is without doubt one of
 the very best if not the best living son
 of the noted boar, Nebraska Wonder, now
 owned by Chester Thomas and Chapin &
 Nordstrom. The dam of Skadden's Won-
 der is the great sow Jodie's Chief 115306.
 He was the best pig raised by Mr. Thomas
 the season Mr. Skadden bought him. He
 is an excellent individual and breeder and
 should go to head some good herd. Mr.
 Skadden would not sell him but for the
 fact that he has so much of his breeding
 already in the herd. Mention Kansas
 Farmer when writing.

Collie Dogs.
 Sam Cummings of Tecumseh, Neb., has
 for sale some very choice Scotch collie
 dogs both in males and females. They
 are pedigreed and fine specimens. Write
 him about them and mention Kansas
 Farmer.

Harter's 100 Good Pigs.
 It isn't luck that saved the 105 choice
 big type Poland China pigs for J. H. Har-
 ter of Westmoreland, Kan. Mr. Harter
 knows how it is done. He not only knows
 how to care for them for the best results
 but he knows the type to breed. That his
 judgment is in accord with a lot of other
 breeders is evidenced by the large number
 of sales that he is making these days. The
 spring pigs are by Mogul's Monarch and
 Capt. Hutch, two of as good big boars as
 can be found anywhere. A few litters are
 by Tulon Prince the big Expansion boar
 recently sold to head a good herd at Zen-
 dale, Kansas. Mogul's Monarch weighs just
 800 pounds in moderate flesh and would
 easily weigh 1,000 if fitted. A few litters
 are by Silver Metal by Gold Metal the big
 boar recently purchased from A. B. Gar-
 rison by J. H. Halderman of Burchard, Neb.
 Daisy, a daughter of old Highland Chief
 has a fine litter by Best Metal, Lady Swank
 traces to old Over Chief has fine litter,
 Queen Fanny daughter of Expansion has
 litter by Mogul, Lady Faultless by 7th by
 Graniteer has litter by Prince Hadley, Sil-
 ver Beauty by Silver Chief has litter by
 Capt. Hutch. Maud Perfection 2nd by Gran-
 iteer and out of old Maud Perfection has
 litter by Capt. Hutch, Corona by Prince
 Youtell also has litter by Capt. Hutch.

Elder's Durocs.
 Frank Elder the Duroc Jersey breeder
 located at Green, Clay County, Kan., has
 for sale 10 choice summer and fall boars,
 all sired by King of Cola, 2nd and C. C's
 Col. He also has 20 summer and fall gilts
 by these boars and in pig to F. E's Col.
 and Elder's Wonder. Write Mr. Elder about
 what he has and mention Kansas Farmer.

A Free Book on Alfalfa.
 The Deere & Mansur Co., Moline, Ill.,
 showed their enterprise when they en-
 gaged Prof. A. M. TenEyck to write for
 them a little booklet on alfalfa. This
 booklet has been published for free dis-
 tribution and the farmer who secures a
 copy will have the satisfaction of knowing
 that he has the work of one of the highest
 authorities in the United States. In-
 cludingly some of the special alfalfa ma-
 chinery made by this firm is mentioned.
 Notable among the different kinds is the
 spike tooth alfalfa harrow which is un-
 doubtedly one of the most valuable ma-
 chines yet invented. Write a postal for
 this free booklet and you will know that
 you have the words of an authority on al-
 falfa.

Big Hadley Boars and Gilts.
 W. A. Baker and C. C. Baker, of Butler,
 Mo., are the proud owners of a one-half
 interest in the great herd boar Big Hadley.
 The other half interest being retained by
 the well known breeder, H. L. Harshaw.
 W. A. Baker has a large herd of sows all
 bred both for size and quality, and as
 an assistant to Big Hadley Mr. Baker is
 using a very promising young boar, King
 X 3rd, sired by Big Blain and out of a
 What's X dam, and from these two sires
 they can show to the prospective customer
 some very choice pigs, in fact they have
 some good herd boar material. If you
 want more size in your herd send to W.
 A. Baker for a Big Hadley boar or gilt and
 grow them out, then convince yourself.
 Kindly look up ad in Kansas Farmer and
 write for prices and description.

Southwestern Nebraska.
 Southwestern Nebraska is rapidly coming
 to the front as a farming country. Land
 that will produce from 20 to 50 bushels of
 corn per acre can yet be had for from \$15
 to \$30 and opportunities are waiting here
 for people who desire to obtain a farm for
 little money. A branch of the Burlington
 railroad is now in operation from Culbert-
 son as far as Imperial, and plans are be-
 ing laid to extend the line beyond Holyoke
 to which the road is being graded now
 from Imperial. It is not claimed that this
 section of the country is a paradise or that
 it has no defects, but it is claimed that
 it is well worthy of consideration and that
 if the soil is properly handled under mod-
 ern methods success will be assured. The
 Chase County Abstract Co., of Imperial,
 Neb., invites visitors to inspect this region
 in which they have a large amount of
 land for sale. They suggest that a num-
 ber of neighbors get together and appoint

one to visit the land and report his find-
 ings. They will be glad to answer any in-
 quires and tell you about this new terri-
 tory which is just opening up and in which
 land values are growing rapidly.

Homer Gruver Has Good Herd.
 Among the young breeders of Poland
 Chinas in Kansas is Homer Gruver of
 Spring Hill, Kan. He believes in doing
 things right and notwithstanding the fact
 that he has been breeding but a few years
 he has a herd that has but few equals. Mr.
 Gruver is breeding for more size and qual-
 ity and now has a bunch of herd sows that
 are a credit to any breeder. A field man
 for the Kansas Farmer carefully looked
 over this herd and can say they compare
 very favorably with the best herds we have
 seen. At the head of this herd is the large
 type boar, Silver Metal, by Gold Metal, a
 full brother in blood to Good Metal. In
 this herd are six Designer sows that all
 have large litters by Silver Metal. There
 is one On and On sow, one Chief Ideal,
 one McDorst, one Predominator, one Crown
 Prince, all these sows are extra large in-
 dividuals and have good litters by Silver
 Metal. Mr. Gruver will hold a sale on Oc-
 tober 5 and we will have more to say about
 this herd in later issues of Kansas Farmer.

Stannard's Oils Make Good.
 Stannard's Processed Crude Oil, manufac-
 tured and sold by C. A. Stannard of Em-
 poria, Kan., has been on the market for
 a good many years, and has never yet
 failed to make good wherever used. A trial
 barrel always makes a permanent customer.
 Mr. Stannard has never solicited a testi-
 monial on his oils, but every mail brings
 voluntary expressions of satisfaction from
 his patrons. The following letter has just
 been received by him:

"Clinton, Wis.,
 "May 9, 1910.
 "Mr. C. A. Stannard,
 Emporia, Kansas.
 "My Dear Sir—Enclosed please find post-
 office money order for \$5.00, for which send
 me a barrel of your Processed Crude Oil
 for lice on hogs. I have used one barrel of
 it, and think it is the best ever for killing
 lice on hogs. Please send it as quickly as
 possible for I want to use it.
 "Respectfully yours,
 "J. A. VAN HORN."

A Pedigreed Hay Press.
 A hay press that will bale 70 tons in 10
 hours and run at a total cost of \$2.26 for
 last year's repairs is to be found in the Ann
 Arbor. It is made in various sizes to suit
 different quantities of hay and different
 markets. It is especially adapted to baling
 alfalfa and is said to do this with less shat-
 tering of leaves and breaking of the straw
 than any other baler. It has the largest
 feed opening of any belt press on the mar-
 ket, it has an automatic feed and auto-
 matic safety fly wheel that acts as a safety
 valve to the press. Both of these are dis-
 tinctive features and serve to prevent the
 machine from knocking itself to pieces.
 There are a great many other points to the
 Ann Arbor that serve to distinguish it from
 others. The Haynes Hardware Co., whom
 everybody about Emporia, Kan., knows,
 state that their customers who buy the Ann
 Arbor are perfectly satisfied. Mygren Bros.
 of Bridgeport, Kan., state that they are able
 to run three or four bales a minute and
 they like the Ann Arbor more the longer
 they use it. A. F. Huse of Manhattan, Kan.,
 does not think there is a better press made
 than the Ann Arbor. Our readers will be
 interested in reading the advertisement on
 another page and in writing for their free
 booklet. The Ann Arbor gasoline traction
 balers are great.

THE STRAY LIST

County Clerk—W. H. Shaffer—Cherokee Co.
 TAKEN UP—1 bay mare about 12 yrs.
 old, 15 hands high, wt. about 1,000 lbs.;
 small white spot in forehead, branded M.
 in left front shoulder, scar on right front
 leg, scar on left hip, shod all round. Val-
 ued at \$40. Taken up by J. D. Bailey Apr.
 19, 1910, of Crestline, Shawnee twp.

County Clerk—W. H. Shaffer—Cherokee Co.
 TAKEN UP—1 bay mare pony about 5
 yrs. old, 14 hands high, large white spot
 in forehead, both hind feet white, branded
 A on left shoulder, shod all round, had
 head stall on. Taken up by J. D. Bailey,
 Apr. 19, 1910, of Crestline, Shawnee twp.

Johnson County—Jasper T. Kincaid, Clerk.
 STEER—1 steer, 1 year old, red, with
 bush of tall white, valued at \$15. Taken
 up May 13, 1910, by J. H. Crooks, of Ox-
 ford twp., Olathe, Kan.

Johnson County—Jasper T. Kincaid, Clerk.
 HEIFER—One heifer, 1 year old, red,
 bush of tall white, valued at \$15. Taken
 up May 13, 1910, by J. H. Crooks, of Ox-
 ford twp., Olathe, Kan.

Greenwood Co.—W. O. Blackburn—Clerk.
 STEER—1 red steer with white face, wt.
 800 lbs., half crop off left ear, blurred brand
 on left hip, valued at \$30. Taken up Oct.
 16, 1909, by G. W. Goss, Bachelor twp.

K. C. S. RY.

(Kansas City Southern Railway Co.)

For Health and Recuperation, visit

SULPHUR SPRINGS, ARKANSAS,

All Year Health Resort.

The Kihlberg Hotel and Bath House

Will Open May 1, 1910.

Illustrated folders sent free.

S. G. WARNER, Gen'l Pass. Agt. Kansas City, Mo.

**Saves
Baling
Cost**

1/3

*Weights
4,900 lbs
complete—
One team
hauls*

**The Baler
for Prairie
and
Alfalfa**

The
ONLY
Belt
Power
Press
Especially
Built
for
Middle
West
Baling



*The Press for the
Middle West*

HAS BALED

23 Tons
Prairie in 5 hours

3 to 4 Bales
Alfalfa 1 minute

35 Tons
Timothy 10 hours

*Its Record Tells what
it can do for YOU*

Ann Arbor "35"

"THE BALER FOR BUSINESS"

**AND ENGINE
COMPLETE**

COMPARISON will show you that this press is listed at \$100 less than its nearest competitor. And yet it is GUARANTEED to have Greater Capacity and to do better work. This GUARANTEE is backed by the oldest and largest exclusive builders of Hay Presses in the U.S. If you are going to own a Hay Press—and why shouldn't you?—the Ann Arbor "35" is the Press you want. Use it and do more work in less time. Note its record.

**DON'T LOSE MONEY BY SLOW BALING
MAKE MONEY BY FAST BALING**

Middle Western and Southwestern Hay Growers have been losing money by slow and expensive baling methods. Horse-power baling is now a thing of the past. When you know what the Ann Arbor "35" will do in a ten-hour day—it is only a question of how soon you can get one.

Never in the history of baling has there been another press that jumped into such immediate popularity as the Ann Arbor "35." Its reception by hay growers has been unique. The demand for it is unprecedented. And the reason is the large capacity—the better bales. Capacity in a hay press

23 Tons of Prairie Hay in 5 Hours.

Gridley, Kansas.
Ann Arbor Machine Co., Ann Arbor, Mich.
Gentlemen:—Please find check to cover invoice of Ann Arbor "35" Hay Press and Engine Stand. I want to say that the "Ann Arbor Press" is the best press I ever saw. My man baled 23 tons in five hours and without any hurry—just ran along in the usual way.
Very truly yours,
E. E. TEEPLE.

Opolia, Kansas.
Ann Arbor Machine Co., Ann Arbor, Mich.
Gentlemen:—We think there is no Press made that will do the work like the "Ann Arbor." Our best day's work was 33 tons in 8 hours, but we will bet we can beat 40 tons in 8 hours. We will back what we say. Our Press is 14 x 18 size. Yours respectfully,
HUGHES BROS.

means money—profit for you. That's why every live hay grower wants an Ann Arbor "35."

"Ann Arbor" Bales Often Bring \$1.00 per ton MORE

than bales from other presses, because the self-feeder does not break up, crush or poke through the material. You know this is very important when baling Alfalfa. You know Alfalfa is very brittle and the less it is handled the more leaves remain in the bale. With the Ann Arbor "35" the Alfalfa is pitched directly from the windrow into the large feed hole, and is squeezed but once. (No complicated condenser or other rattle-traps to break up the hay and press.) Isn't this the press you want? Buy the Ann Arbor "35" and let it make money for you.

Automatic self-feeding device Pitch Hay from Ground and

SAVES THE HAY—It's common sense that you can't get hay out of a press faster than you put it in, hence the importance of our new Automatic Self-Feeding Device. Not only does it feed faster, but it positively does not crush or break the hay. Our catalog illustrates some comparisons. You will be tickled to see the difference made by the improved Ann Arbor Feeding Device. Full details of this great improvement in hay press construction are given in our handsome Free Baler's Book. Sent you on request.

Save Man on Top—The "Ann

Arbor" is built close to the ground so the hay can be pitched directly from the ground over the large feed opening—the automatic self-feeding device on the "Ann Arbor" takes care of itself. It saves the wages of a man on top of the press, such as is required by all other belt power presses. The Ann Arbor "35" has an Automatic Block Dropper, Bale Length Indicator and the other points that have made the Ann Arbor Press the most popular and widely sold hay press in the world.

The Ideal Combination: Ann Arbor "35" and ENGINE COMPLETE ON FOUR WHEELS

Engine Platform Detachable from Press. By bolting rear wheels of Press onto Engine Platform you get a portable engine to use anywhere. You can see at once the benefit of having your engine and press complete on 4 wheels whether it is a traction outfit or hauled by a team.

Your press and engine are always lined up, the belt tight and ready for instant work.

This rig also saves time. ONE team will easily haul it anywhere; weighs only 4900 lbs. complete.

When mowing down the windrow you need not stop your engine; just pull down to where you want to bale—and bale. With this combination outfit you can bale in barn as well as outside—bale rain or shine.

We sell this outfit with or without engine—we give choice of several standard gasoline engines. Whichever way you buy, you get biggest value for your money when you get the "ANN ARBOR."

Send for FREE Baler's Book and Souvenir Pin
Let us send you our Catalog—just fill in the Coupon, and mail

**Ann Arbor
Machine Co.**

P.O. Box 404

Ann Arbor, Mich.

Send me your FREE
"Baler's Book" and a
Souvenir Pin.

Name _____

Address _____

Ann Arbor Machine Co. ANN ARBOR MICHIGAN

Machines carried in stock at Kansas City and
Other Points for immediate delivery. Write us

21½ Tons Alfalfa Hay in 6 Hours

Chapman, Mo.
Eagle Manufacturing Co.,
Kansas City, Mo.

Gentlemen:—The two Ann Arbor "35" 14 x 18 Hay Presses we got from you are more than you represent. The one we are now running has baled 21 tons, 1350 lbs. in six hours in Alfalfa Hay. I have run seven other presses but this one beats them all. I am on Fort Riley Reservation now with five other different makes of balers and I can beat any one of them with ease. I write this without your solicitation and not for publication, and if any one doubts this statement refer them to the Chapman State Bank, Chapman, Dickinson Co., Kansas.

Yours truly,
J. M. OLDE.

P. O. Box 404