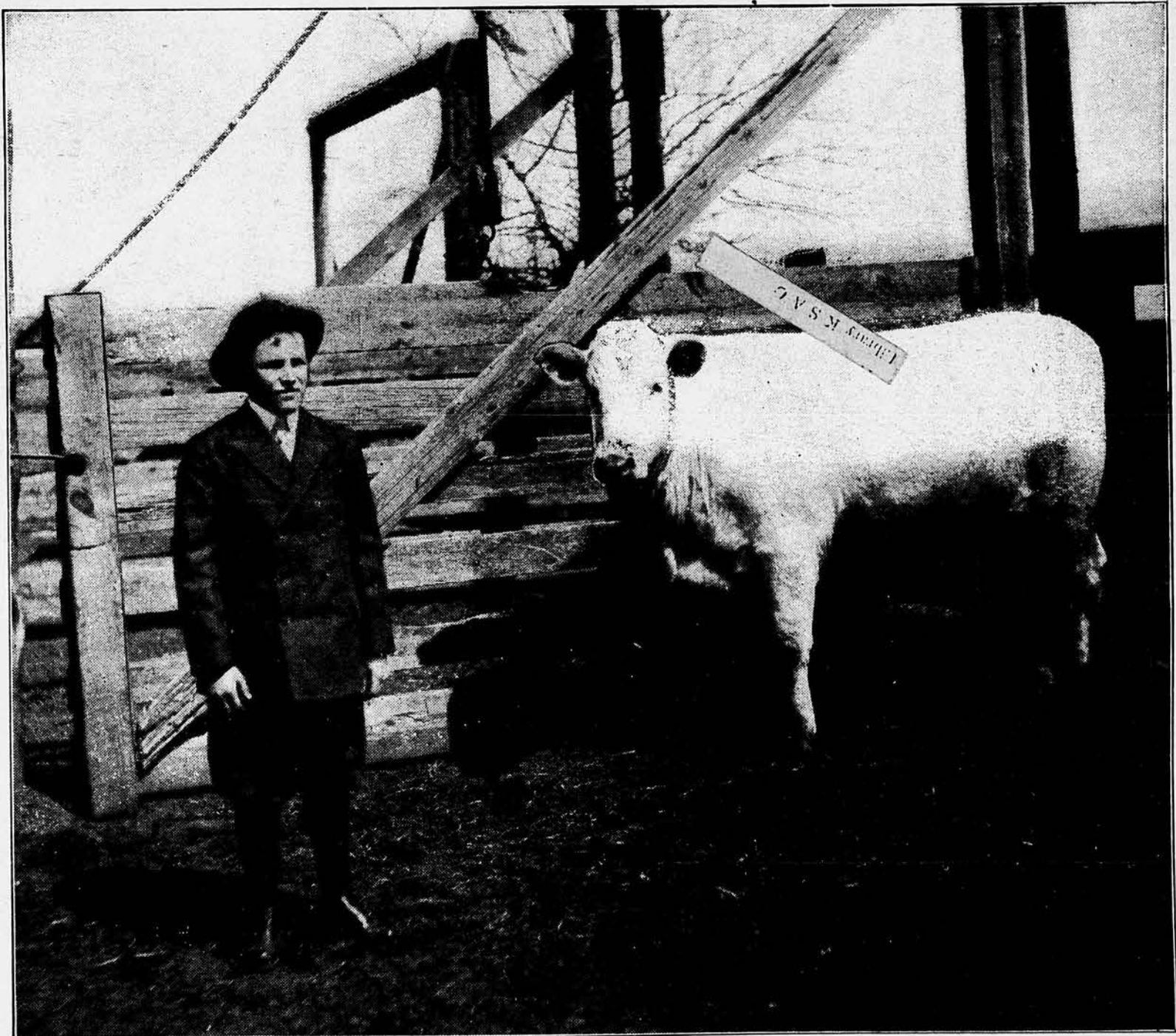


THE FARMERS MAIL AND BREEZE

Volume 42

May 25, 1912

Number 11



A Kansas Boy Feeder of Baby Beef, the Steer Ed Mahurin Bought for \$32 and Sold for \$113. Page 8

IF alfalfa or Red clover will not prosper on your farm, you are not out of it entirely, for there are cowpeas and Sweet clover left. Sweet clover will grow about anywhere in Kansas on rough, sour, thin, or wet or dry soil. Some farmers are now declaring it superior to Red clover. There are several varieties—the bad kind and the good. F. D. Coburn's next Mail and Breeze article will tell all about it. It will appear next week.

Double the Rural Route Circulation of Any Kansas Farm Paper

Genasco

The Trinidad Lake Asphalt
Ready Roofing

You can't expect
"dead" roofing to
give you real service.

Genasco Roofing
has life that comes
from Trinidad Lake
asphalt.

Life makes it resist
sun, wind, rain,
heat, cold, and fire.

Genasco gives
lasting protection
to all your build-
ings.

Comes in rolls and is ready
to lay—easy, without expe-
rienced help. Mineral or
smooth surface. Ask your
dealer for Genasco.

Write us for samples and
the Good Roof Guide Book
—free.

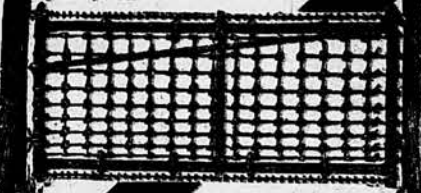
The Kant-leak
Kleest, for smooth-
surface roofings,
prevents nail-leaks
and makes seams
watertight without
cement.

The Barber Asphalt Paving Company
Largest producers of asphalt, and largest
manufacturers of ready roofing in the world.
Philadelphia
New York San Francisco Chicago



Can You Beat This Trojan Steel Gate

\$4.95 The genuine Trojan steel gate
sold under the regular Trojan 2-
year trial at my special mon-
ey-saving factory price. It
bought from a dealer
would cost you twice
what I ask. By cutting
out the dealer's profit I sell you the best-
proof, everlasting Trojan at this un-
usually low price.



Frame of high carbon steel
 tubing 2 1/2 inches in diameter.
 Brazed seams. Heavy close mesh,
 well galvanized. Barbed wire top
 and bottom. Special latch. Forged
 hinges bolted through posts. Gate can
 be adjusted to swing over snowdrifts, un-
 even ground or to open over side hill.
 Splendid stock sorter.

The Only Gate in the World Sold on 2 Years'
Trial, Backed by \$10,000 Guarantee.

Send this gate back any time in 2 years if it's not ex-
actly as represented. My
\$10,000 bond protects you
and you get your money
back. This gate beats any
wood or steel gate you ever
saw. Get my big illustrated
folder which fully describes
the Trojan gates and quotes
my money-saving factory
prices. It's free. Write.
W. K. Voorhees, Mgr.,
Standard Manufacturing Co.,
105 Main St., Cedar Falls, Ia.

Gate Free
I've got special free
gate proposition for
one farmer in each
community. Who
commends me will help introduce
my Trojan Gates.
You can do it easily.
Send post card now
for full particulars.
W. K. Voorhees

WANTED—CLUB RAISERS

Special presidential campaign offer.
Greatest special offer ever made.
Good wages. Mail application at once
to Circulation Manager, Capper Pub-
lications.

Fish Bite Like hungry wolves
any time if you use
our Wonderful Fish-Luring Bait.
Best Fish Bait known. Keeps you busy
pulling them out. Write to-day and get a
box to help introduce it. Agents wanted.
Walton Supply Co., Desk 1028t, Louisville, Mo

What Farmers Are Thinking

You are cordially invited to air your
opinions in this column, but the Mail
and Breeze reserves the right to con-
dense such statements as far as possible
to give other contributors a chance to
say something. Short, crisp expressions
of opinion on matters of interest or con-
sequence to farm folks are welcome. All
contributors must take their turn.

Wouldn't Stop Quail Shooting.

Mr. Editor—Farmers in this part of
the country are not generally opposed
to quail hunting by their neighbors but
they do object as a rule to a lot of
town hunters running over a place and
shooting indiscriminately. If a law is
passed prohibiting quail shooting the
law-abiding citizens will not break it
but it will take a small army of war-
dens to stop the law-breakers. Quails
are very pugnacious, the old ones drive
the young away; so if too many old
birds remain over, quails will not mul-
tiply very fast. Let the farmers keep
hunters off their lands and let the law
remain as it is. Appoint two wardens
in each township and let them be sup-
plied with the names of hunters who
have taken out licenses.

Chetopa, Kan. A. E. Bartlett.

Who First Denied Women the Ballot?

Mr. Editor—I cannot get it into my
head why a woman may not have the
same privilege of voting as a man. I
should like to know who it was that de-
nied women the right to vote in the first
place. If it had been foreordained by
our Creator that women should not vote
I should think some mention of it would
have been made in Holy Writ. Women
feel honored to vote on educational
problems, but naturally they also think
that taxation without representation is
not fair. Why should I pay taxes when
I am not allowed a voice as to how the
tax money is to be spent? No man gets
so low in this world but that he is al-
lowed to vote. Then why may not re-
spectable, hard working, honest women
be accorded the same right? Let the
women vote.

Mrs. Katherine M. Harwood.
R. 4, Scranton, Kan.

Schooling Farmers of the Future.

Mr. Editor—I am glad we farmers
have an opportunity to air our notions
in such an estimable publication as
Farmers Mail and Breeze. The great
problem of the world today is to pro-
duce enough food. I believe there is but
one way to solve it and that is by edu-
cating the farm children of today to be-
come the scientific farmers of tomor-
row. I believe the country school is the
one agency which will reach all the farm
population. We must have the "three
R's" and other common studies but in
teaching them direct the instruction
toward the farm, farm management, the
household, etc. A scientific course in
agriculture would be hard to offer in a
country school but the underlying ele-
ments of the science could be taught in a
practical way. These things would also
tend to keep the best of our boys and
girls on the farm and at the same time
make farm life more profitable and
agreeable to them.

White Heath, Ill. Stewart Miner.

Woman's Right to Vote—Taxes.

Mr. Editor—"Taxation without repre-
sentation is tyranny," said our fore-
fathers, and so say the equal suffra-
gists today. Why not place woman on
an equal footing with man? No law-
abiding citizen is opposed to paying his
share of taxes, but objects to being
burdened and oppressed by them. Mr.
Capper is on the right track in advocat-
ing cutting down taxes, doing away
with needless and useless offices, and in
opposing exorbitant fees for officials.
"Let the people rule" should be the
slogan. Why then, should women not
have a voice in making the laws and
electing all officers from president
down to road overseer?

Belleville, Kan. William Hay.

Mr. Capper and the Book Trust.

Mr. Editor—I know Arthur Capper
stands for many good things, but his decla-
ration in the last issue of Farmers Mail
and Breeze on the school book trust is

one that all the people of Kansas, re-
gardless of political beliefs, can endorse.
Our legislature has proven, either that
it does not know enough or does not
want to control the bunch of vampires
who draw on the poor, the well-to-do
and the rich of Kansas for their annual
toll in school books. This trust should
be and will be put out of business in
this state if the voters elect a legisla-
ture with more commonsense and fewer
lawyers. What we want is men who
have the nerve to stand up for Kansas
instead of laying down to the school
book trust or any other trust. I am for
Arthur Capper for governor.
R. 5, Concordia, Kan. E. B. Tilson.

Would Mail Three Times a Week Do?

Mr. Editor—It does not seem to me
that our rural free delivery mail system
as run at present is of as much service
to the whole number of people as it
might easily be. About a fourth of the
farmers have their mail brought right
up to their homes, the rest get their
mail in boxes 1/4 to 3 miles away or else
they must go to town for it. I do not
believe farmers need their mail deliv-
ered every day. There are many farm-
ers who only go to their boxes once or
twice a week when they are some dis-
tance away. Let the carriers go over
their routes three times a week and deliv-
er to all farmers. It would make lit-
tle difference in the cost of the system.
I would like to read other farmers'
opinions on this subject.

Russell, Kan. I. L. Mendell.

[Before farm folks had acquired the daily
newspaper habit such a mail service might
have been satisfactory, but it is my guess it
would not be now. What farm folks want
is to get into closer relations with the rest
of the world, not farther away from it.—
Ed.]

Likes Mail and Breeze Fairness.

Mr. Editor—I am a subscriber to
Farmers Mail and Breeze and I want to
say that if a farmer does not know how
to farm successfully your paper will
teach him. Another feature I like is the
fair and mild way the Mail and Breeze
deals with all letters from political
viewpoints. It gives the people of dif-
ferent minds a chance to reason among
themselves and if possible to correct
mistakes of the past. While I am a
Socialist I have not been making hair
ropes with which to hang the members
of the two old parties. I know the great
corruption in our government has not
been brought about by the masses but
by the men we have put in charge of
our business as government officials.
We must put men in office who will
look after the interests of the whole
people. Let the people rule.

Hewitt, Okla. W. E. White.

Farmers Want Better Home Schools.

Mr. Editor—When it comes to better
schools, what the farmers wish to see
is the home school made better and
more attractive. They do not want to
be compelled to send their children away
from home to finish their education. We
must for some time to come stick to
the country school as constituted at
present and anything looking toward
abolishing it will not be practicable or
popular. I think most farmers would be
heartily in favor of spending more
money on the country schools and less
on the higher institutions. I would not
have it made harder for a poor boy to
get a university education but at the
same time we must consider the 100 who
cannot expect such an education as well
as the one who can.

Another thing that is causing some
complaint among country folks is the
provision in the present law which in a
year or so will compel all school teach-
ers to be graduates of some high school.
In the past many of our best teachers
have been graduates of the country
schools only and the present law will
have the effect of placing the country
girl at a disadvantage as compared with
the town or city girl. It is easy to say
that if they wish to become teachers
they must go to some expense and
trouble to prepare themselves yet I think
past experience has shown that the
country girl who graduated from her
district school has made good in as
many cases as the town girl who has
had the advantage of a high school edu-
cation. Town folks would not like to
send their children away from home at
the age of about 14 and practically keep
them away after that, yet that is what
country folks will have to do if they
wish to make teachers of their girls.
Gridley, Kan. H. C. Hatch.

Dip for Dollars

You actually put dollars in your
pocket when you put your hogs
through a bath of Dr. Hess Dip
and Disinfectant.

Its action is swift and sure—it
prevents scurvy skin—kills lice
and fleas which so often hide and
play havoc behind the hog's ears,
between the folds of the skin,
and around the abdomen.

Dr. Hess Dip and Disinfectant

prevents mange, scab, hog cholera and all
parasitic skin troubles. It is a powerful
disinfectant, germicide and deodorizer,
equally effective on sheep, horses, cattle,
dogs and poultry.

Prepared by Dr. Hess (M. D., D. V. S.)
and sold under a money back guarantee if
not satisfactory. One gallon of Dip makes
70 gallons solution. If your dealer can't
supply you, order from us direct.

Write for Free Dip Booklet.

Dr. Hess & Clark, Ashland, Ohio.



DEATH TO HEAVES AND INDIGESTION TROUBLES

A Safe, Permanent
Cure

Indigestion causes Heaves.
NEWTON'S Heave, Cough, Dis-
temper and Indigestion
Cure gets at the root of the trouble by
correcting indigestion, and is therefore
Death to Heaves.

Heaves is not a Lung Trouble. Heaves is
brought on by indigestion caused by overfeed-
ing bulky food or violent exercise on an over-
taxed stomach. Overfeeding enlarges the
stomach and diaphragm, retarding the circula-
tion and nerve force of the lungs. Good
feeders and good workers only have Heaves.
Newton's cures Chronic Cough, caused by
indigestion and the after-effects of distemper.
It cures distemper by driving the poison
from the blood. Newton's, in correcting
stomach and bowel troubles, makes it a
Grand Conditioner. Expels intestinal worms,
cures Colds, Acute Cough, prevents Calf
Staggers, etc. A Blood Purifier, cures Skin
Eruptions. Economical to use; dose is small.
Equally effective for all stock.

Put up in screw top cans, 50c & \$1.00. Large
can contains 2 1/2 times as much as small, and is
recommended for Heaves and Chronic Cough.
Sold by all Dealers or sent direct prepaid.
Newton's is a standard Veterinary Medicine
backed by Twenty Years' Record of good results.

Satisfaction guaranteed in every can.
Book with full explanation sent free.
THE NEWTON REMEDY CO., Toledo, Ohio.

Every Farmer Can Now Afford A Champion Silo

At my prices there's no reason
for feeding by the expensive dry
ration method. You can get the
Champion, specially made for West-
ern farmers at a price which saves
you money right at the start.

5 Special Propositions.
No. 1, for the
man who wants
a silo. No. 2, for
the man who
wants a silo and
a cutter. No. 3, for
a club of 2 silos and
a cutter. No. 4, for
a club of 3 silos and a
cutter. No. 5, for a
club of 4 or more silos
and a cutter between them.
Pick Out Offer, Write for Particulars.
Get the facts about the Champion
money-saving proposition before you
buy a silo. The best and most tempt-
ing silo offer ever made. Just tell me
which proposition interests you.
Keller J. Bell, Mgr., Western Silo Co.,
155 11th St., Des Moines, Iowa.

\$10.00 Sweep Feed
Grinder. **\$14.00** Galvanized
Steel Wind Mill.
We manufacture all sizes and
styles. It will
pay you to in-
vestigate. Write
for catalog and
price list.
CURRIE WIND MILL CO.,
Topeka, Kansas.



Volume 42
Number 11

TOPEKA, KANSAS, MAY 25, 1912.

Subscription
\$1.00 a year

FARM LOANS IN EUROPE AND MONEY AND CREDIT HERE

THERE is a wide difference of opinion about the existence of a "money trust." Many declare that such a trust is already an accomplished fact, that it is "doing business" right now. Others assert that the big financial interests have the organization of a money trust in view as the next step in big business.

The governor of New Jersey said in a public speech about six months ago that there is a money trust, and that it is already the most powerful of all trusts. This statement was met with indignant denial and ridicule, and the man who made it was denounced as a demagogue.

Almost at once afterwards, however, Samuel Untermyer of New York, a member of a law firm which is said to have done more big corporation business than any other law firm in the country, came out with a statement about the money trust even stronger than that of Governor Wilson.

A president of a big Kansas bank told me recently that there is unquestionably a money trust, and that its influence has reached as far as Kansas. He declares that, no matter how good the security you may offer, you cannot in this part of the country, secure for any business any large amount of money unless you promise to "be good." You must be in line. You mustn't kick over the traces. You must do as you are told. This banker is opposed to any such money trust.

Another Kansas banker says there is such a control over money and credit, and asserts there should be.

The late Daniel H. Moffatt of Denver was a man of great wealth. He had an ambition to control his own road, the famous Moffatt Road. He could not borrow the money with which to complete his road except on condition that his road should be subject to the "control" of the big financial interests of what we call Wall street. He was told he could have all the money he wanted if he would "be good." His natural and proper ambition to control his own road had to go unsatisfied.

Well, if there is a money trust, and that it already exists many of us have our suspicions at least, or if such a trust shall develop, it will, of course, be the most powerful of all trusts. If it holds the purse strings, if it dominates credit, it will be in absolute control of the business of the country. I suppose no one will question this. Whoever "controls" money, credit, interest, controls the country. There can be no escape from that.

Almost numberless elements, some of them perfectly obvious to us all, make up what we call the cost of living. I believe, however, that the greatest incubus, the greatest load the people have to bear, is interest. That affects all of us whether we pay interest directly or not. We are all paying it, and it is the one great charge on the people. I heard a prominent bank president say recently that many men are kept poor all their lives paying interest and do not realize it. They think that it is something else that is keeping them poor. Interest is breaking their

What the German System of Rural Banks Might Do For Kansas Farmers

BY E. W. RANKIN

of Farmers Mail and Breeze

backs, but they do not know it. I am not one of those who believes that interest can be completely abolished, not certainly under our present economic system, but it is self evident that it makes greatly for the welfare of the people that interest be as low as possible.

It is equally important, perhaps more important, that interest rates should be equitable. They are not so at the present time. The rich man or corporation can borrow a large sum of money at 4 to 6 per cent interest, while the poor man, no matter how good his security, pays on a personal loan, 8, 9 and 10 per cent. Anyone can see what the tendency, the final and inevitable result of that situation, must be. It means the concentration, more and more, of wealth in the hands of the few. It requires little penetration to see this. Regulation of interest rates is even more important than regulation of railroad rates.

The Aldrich plan is open to criticism, not only because it virtually turns over control of the money to the banks almost absolutely, but because it takes no account of the farmer's business needs. How it will be of value to the farmer is not apparent. It appears to be designed wholly in the interest of the banks and in the interest of "commercial business."

It may have some good points. It may provide for greater elasticity in the money supply of the country, and that is greatly to be desired. It may

make for stability. It may be of great aid in preventing the periodical recurrence of panics, but if all these advantages are conceded it is still not proved to be in the interest of any but a minority of the people. And this, I believe, is becoming more and more evident.

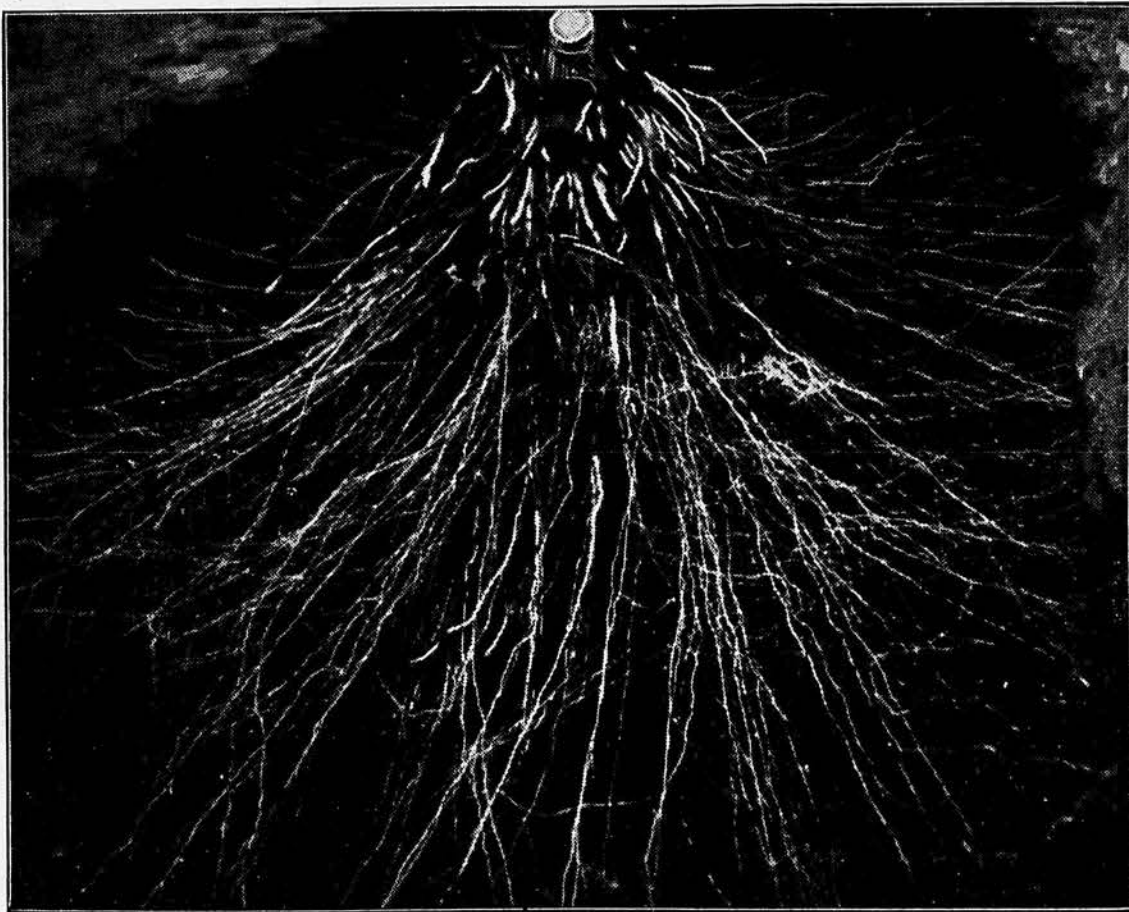
My co-laborer, Mr. McNeal, has written frequently for this paper in condemnation of "special privilege" and I agree with him that a special privilege given to any man or set of men, except under the severest regulative control, is the greatest of all economic evils. The greatest special privilege that can be given is control of money and credit.

The farming population of Europe, especially of Germany, has found, measurably, a way out. I refer to what are called the German rural banks, or the Raiffeisen system, named after the man who originated the idea. There is a money power in Germany, and it opposed the establishment of the rural banking system, but the people, chiefly farmers, got it nevertheless. Of course it was denounced as paternalism. Everything designed to help the people as a whole, especially those who most need help, is denounced as paternalism. Paternalism in the shape of control over money by the banks is all right. The greatest privilege in this country is the money privilege, but the banker does not object to that. That is real business. A ship subsidy is the rankest kind of special privilege, but those most opposed to the idea of the government giving support in any direct or special way to the farmer or to the small business man, regard a ship subsidy as just the thing. That is helping "business" and by business is meant "big" business. The idea of the state or national government lending money on land or other property of the farmer is considered ludicrous, socialistic, paternalistic, and worse, but an asset currency in the interest of banks and of big commercial business is proper enough.

Now I am not myself opposed to paternalism. The country should be a real fatherland, but the paternalistic benefits should be distributed more impartially. They should reach especially those who most need assistance.

The German farmers after a struggle got relief from the German money power. They established a banking system of their own, though its benefits are not confined wholly to farmers. The German rural banks are organized on a co-operative plan. Stock in a local rural bank is held by, say 100 farmers, who may purchase stock to the amount of \$100, let us say, for the sake of illustration. This makes the capital of the local bank \$10,000. In some large city in a district there is a larger bank in which the local branch owns stock, having invested something like 25 per cent of its stock in this larger bank. Then there is the Central bank of Prussia in Berlin, with a capital of 18 1/4 million dollars, one of the greatest banks in the world. These banks lend money to farmers chiefly on their land and also make personal loans suited to the business requirements of the farmers.

These German banks are safe. The local branches (Continued on Page 21.)



This is a picture that will interest the boys of the Copper Corn Club and our older corn raisers. It shows the root system of a stalk of corn and some of the great number of small fine feeders near the surface of the ground. An argument for shallow cultivation.

The Farmers Mail and Breeze

PUBLISHED WEEKLY AT
Eighth and Jackson Streets, Topeka, Kansas.

ARTHUR CAPPER, Publisher. T. A. McNEAL, Editor

A. L. NICHOLS, Associate Editor.

E. W. RANKIN, Advertising Manager.

Editorial Contributors.

F. D. COBURN, PROF. W. M. JARDINE,
EDWIN SNYDER,
PROF. CHARLES DILLON, PROF. G. C. WHEELER,
PROF. O. E. REED, PROF. ALBERT DICKENS,
PROF. H. F. ROBERTS, PROF. T. J. HEADLEE,
PROF. J. T. WILLARD, PROF. W. A. LIPPINCOTT,
DR. F. S. SCHOENLEBER.

Department Editors.

LIVESTOCK, Frank Howard. FARM DOINGS, Harley Hatch
DAIRY, A. G. Kittell. VETERINARY, F. S. Schoenleber
SWINE, E. J. Waterstrife. THE MARKETS, C. W. Metsker
HORTICULTURE, M. Mathewson. HOME DEPTS., Mabel Graves
POULTRY, Reese V. Hicks.

SUBSCRIPTION RATES. . . . One Year, \$1.00

ADVERTISING RATES.

40 cents per agate line. 104,000 circulation guaranteed.

No liquor nor medical advertising accepted. By medical advertising is understood the offer of medicine for internal human use.

Entered as second-class matter Feb. 16, 1906, at the postoffice at Topeka, Kansas, under the act of Congress of Mar. 3, 1879.

OUR ADVERTISEMENTS GUARANTEED.

WE GUARANTEE that every advertiser in this issue is reliable. Should any advertiser herein deal dishonestly with any subscriber, we will make good the amount of your loss, provided such transaction occurs within one month from date of this issue, that it is reported to us within a week of its occurrence, and that we find the facts to be as stated. It is a condition of this contract that in writing to advertisers you state: "I saw your advertisement in Farmers Mail and Breeze."

SPECIAL NOTICE TO ADVERTISERS.

Changes in advertisements or orders to discontinue advertisements must reach us not later than Saturday morning, one week in advance of the date of publication. We begin to make up the paper on Saturday. An ad cannot be stopped or changed after it is inserted in a page and the page has been electrotyped. New advertisements can be accepted any time Monday. The earlier orders and advertising copy are in our hands the better service we can give the advertiser.



PASSING COMMENT

by T. A. McNeal.

THE RAILROAD ACROSS THE SEA. If anyone had said a few years ago that it was possible to build a railroad track across a stretch of ocean so wide that when in the middle of the bridge the traveler would be out of sight of land he would have been laughed at as an impractical visionary, and yet that very thing has been accomplished by a man who has not only passed the three score and ten period of life, but who has lived on earth more than four score years.

Criticize old Henry Flagler as you may for the manner in which he got rid of the wife of his youth, it must be conceded that he is one of the most marvelous old men in the world—or you can leave off the qualifying adjective "old," and say that he is one of the most wonderful men of any age now living.

Extending below the southern point of the peninsula of Florida proper is a succession of small keys or islands which stretch away to the south for more than 100 miles. On the last island of any importance is the town of Key West, located on an island about one mile in width and some four miles in length. Key West is a manufacturing town of some considerable importance. Perhaps more cigars are made here than in any other town in this country.

Flagler conceived the idea that it would be possible to build a railroad across the chain of little islands between the main coast of southern Florida and Key West. He talked to engineers and business associates about it, but they all expressed the opinion that it was impossible. The fact that Flagler's mind and heart were set on it they regarded as one of the foibles of old age. However, Henry had the will and the money and he has built the road.

A short bridge carries the road across Barnes sound to Key Largo and from that point the railroad is built from key to key for a distance of 107 miles to Key West. Across the stretches of water are arched concrete viaducts, the longest being seven miles from abutment to abutment. Here it is that the traveler actually finds himself riding on a railroad where he cannot see land in any direction.

The first train carrying passengers traveled over this remarkable road on January 22 to the terminus at Key West. The road has been building for a good while. Three years ago, when it was supposed that the work was about complete, there came along a hurricane blowing at the rate of 120 miles an hour and what it did to the new road was indeed a plenty.

It hurled vast volumes of angry waves against the new track as if to show the impudent human being who had dared to invade the dominion of Neptune that he was out of his element. The furious ocean tore out the grades, twisted the tracks and left a good deal of the road a wreck. It was noted, however, when the storm had subsided, that the concrete piers and arches had stood the strain and remained as firm as the rocks that formed the breakers on the Atlantic shore and which had defied the onslaught of the waves for untold centuries.

So learning wisdom from this experience Flagler set

his forces to work to repair the damage of the storm, and now every day the trains run down from the north and back again from the south across the waters that have been spanned.

In riding over this marvelous line, however, I had this uncomfortable feeling: Suppose that another hurricane should come whooping along at the rate of 120 miles an hour when the train is right out there three and a half miles from land either way. What would become of that train? It occurs to me that the sportive wind might just naturally lift that train off the track and toss it over into either the Atlantic ocean or the Gulf of Mexico, and a passenger coach would be a mighty undesirable place to be in under such circumstances. It might be that it would be well to provide the passengers with life boats and life preservers on that train.

It is claimed that the building of this east coast railroad has cost Flagler 50 million dollars, and I have no reason to doubt the correctness of the figures. It certainly has the appearance of having cost a vast sum of money.

Will it pay? That, of course, is a question that I am entirely incompetent to answer. It shortens the time to Cuba say, from New York, by something over 24 hours, according to the estimate, and the ultimate purpose of the road is to get the business of the island.

Flagler has in mind to build immense ocean freighters onto which the trains can be run from the dock at Key West without unloading. If this is done it will shorten the time from Havana to New York still more. When Flagler's plan is worked out a passenger can get into his sleeping car and not change cars until he gets off at the dock in old Havana.

Flagler is now 81 years old, a marvelous old man, but the years are telling on his iron frame now, and it is hardly probable that he will live to see his plan worked out, but others may take up and complete the work that he has planned.

EMMA GOLDMAN AND BEN REITMAN.

The other day at San Diego, Calif., a mob took the manager and side partner of the noted anarchist, Emma Goldman, out into the desert, tarred and feathered him and otherwise rough handled him. The treatment was cruel and barbarous. I am glad to see that it is roundly condemned by the representative of the governor sent down there to investigate the case. I have no use whatever for the doctrines taught by Emma Goldman and this man Ben Reitman, but for the very reason that I condemn her teachings I condemn the treatment that was given this man. The people who were engaged in perpetrating the outrage were themselves guilty of the thing they condemned. For the time being they were anarchists. They overthrew the law and violated the right that every man ought to have in this country, and that is to a fair trial for whatever offense he may commit. But there ought to be a lesson in this incident to Emma Goldman and this man Ben Reitman. If it were possible for the doctrines they preach to prevail in this country just such outrages as this would be common. The law of brutality and cruelty and physical might would be substituted for order and fairness. The strong would certainly impose on the weak and timid. Reitman has had a taste of anarchy and a bitter taste it must have been. I note that Emma complains bitterly because the authorities did not give them the protection that the law is supposed to guarantee to every person in this country high and low, rich and poor, and she had a right to complain, but her complaints are the strongest kind of arguments against her own teachings and she ought to have sense enough to see it. Year in and year out she has gone about preaching the doctrine that all government is tyranny and ought to be abolished. For the time being it was abolished in her case and more especially in the case of this Dr. Ben Reitman, and when she gets a dose of it she isn't pleased. Emma is a pestiferous nuisance, so is this man Ben Reitman. So far as they have been able they have stirred up a spirit of hatred of law and orderly government. In a small way they have sown the wind and reaped the whirlwind. But that does not justify the mob who brutally treated Reitman. It does however deprive him of a lot of sympathy that he would have otherwise obtained.

In this connection I want to dispute a statement that is sometimes made that Socialists and anarchists are one and the same, or at least that Socialists are in sympathy with anarchists. I know a good many Socialists in Kansas and very generally I have found them peace loving and law abiding citizens who have no notion of trying to overthrow the government or to do away with law and order. Generally they are readers and students. Their theories may be impractical, or, as I think, partly practicable and partly not, but they are far from being anarchists so far as I have known them. It is true that here and there is a man like Haywood who calls himself a Socialist and who proclaims his hatred of law and his purpose to overthrow government. He is at heart an anarchist, and well meaning Socialists ought to force him out of their party and make him train with the anarchists, where he belongs. He does the Socialist party more harm than any of the critics of the party outside their ranks. People who love their government and their flag but who sympathize with a good many things that are called socialistic have the words of Haywood

thrown up to them and are told that what he says represents the doctrines and beliefs of all Socialists and that therefore if the Socialist party should ever come into power it would mean the overthrow of government and the end of orderly rule. That argument has tremendous weight with hundreds of thousands, aye with millions of the best citizens of this republic, for faulty as our laws may be and imperfect as our government may be, a vast majority of the citizens of this country have a profound reverence for and love for their government. They are willing to consider plans for its improvement so that there may be a more equitable distribution of the blessings of happiness and prosperity, but they have no patience or sympathy with the individual who talks about tearing it down or treating the flag with contempt and dishonor. They have shown their willingness in the past to shed their blood if necessary to preserve their government and if necessary they would fight for it again. The tens of thousands of law abiding, intelligent and patriotic Socialists owe it to themselves to repudiate and condemn the utterances of such incendiary blather-skites as Haywood.

A PROGRESSIVE GOVERNMENT IN AUSTRALIA.

The other day I met a gentleman from one of the states of Australia. He was an intelligent business man, a farmer and evidently a man of considerable means, or he would not have felt like taking a trip half way round the world. I was much interested in his description of the way things are managed in that state. The Australian states, like Canada, are nominally dependencies of Great Britain but in reality they are independent republics. It is true that the mother country furnishes them with a governor general as is done in the case of Canada, but he is a mere figure head. As long as he is content to loaf round and draw his salary and take no hand in local politics he is welcome to stay and enjoy himself, but if he were to undertake to butt in and try to run things there would be trouble. To all intents and purposes the colonies of Australia and Canada are as truly democratic as the United States and in some respects even more so. The people emphatically rule. The colonial government owns and operates the railroads and according to this Australian with whom I talked, the government is making a success of the railroad business and the plan is growing constantly in popular favor. The government loans money to the farmers at low rates of interest and while a part of this gentleman's business was to loan money, he freely acknowledged that the system of government loans to farmers is a success. The government takes a deep interest in the settlement of labor troubles and virtually settles the rate of wages. If there is a dispute between the employer and employed the matter is arbitrated by a board provided for by law. In short this Australian government supposed to be partially monarchical in its make up, is far in advance of this government in trying new and radical experiments.

WILL BE GLAD WHEN IT IS OVER WITH.

Personally I shall be glad when the present presidential campaign for nomination is over with. I do not enjoy the spectacle of a president and ex-president of the United States out tearing round the country calling each other liars and frauds. If the opposition is simply looking for political ammunition they must view this personal scrap with satisfaction, but I think that I voice the sentiment of a good many thousands when I say that I am considerably disgusted with it.

FAVORS A PEACE CONGRESS AND JOINT NAVY.

P. B. McDonald, writing from Bluejacket, Okla., suggests that the leading nations of the world should establish a peace congress and combined navy. Each nation, regardless of size or population, would have equal representation in the peace congress under Mr. McDonald's plan and each would pay for the support of the combined navy in proportion to the wealth of each nation. I would most emphatically favor the peace congress. Indeed this is the ultimate object of the promoters of the Hague conference which is called a peace congress. A plan is being worked out or rather the promoters of a world peace are trying to work it out, which would conform to Mr. McDonald's idea exactly. They are trying to get the various nations to agree to the establishment of an international congress or court whose acts and decisions shall be binding on all the nations sending representatives to the international congress or court. One of the questions on which an agreement has not been reached, is the question of representation in this body. The great powers insist that they should have a greater representation than the small third and fourth rate powers. The joint navy idea is new to me and at present I am of the opinion that it would not work. There would be no central authority. Allied armies have never operated very harmoniously and I hardly believe that an allied navy would be a success. But if the first part of the program was carried out and an international court or congress established by the authority of which the principal nations agreed to abide, why any necessity for an allied navy? If the nations will agree in good faith that they will not fight each other and that all disputes shall be submitted to an international court for peaceful settlement there would

be no further need for any great navy. There would still be need for a few revenue cutters and light armed craft to do police duty along the shores of the various countries to capture smugglers, prevent the landing of undesirable immigrants, etc., but that would be all. The best way to insure peace is to quit getting ready to fight.

AN ARGUMENT FOR THE CENTRAL BANK. My friend Charley Harger, of Abilene, sends me a rather lengthy letter arguing in favor of the proposed Aldrich central bank plan. I regret that I have not space enough in this issue to give his letter entire but here is his statement of what he understands to be the object of the Citizen's League, organized in this and other states for the promotion of the Aldrich plan:

The objects of the league may be summed up as follows: insurance against money panics like that of 1897; lower interest rates in sections of the country away from the financial centers; narrower fluctuations in interest rates; the attraction of investment capital in the highly developed sections to the newer, growing sections needing foreign capital; the financing of the yearly movement of the crops at less cost and with less disturbance to the money market; more independence for smaller banks; economy in the use of cash in the daily business of the country; assurance that a sound bank will always be able to take care of the legitimate needs of its customers; the promotion of sound banking practices.

Kansas, because it is a heavy user of capital in its development, has as keen interest in sound banking as any state in the Union and it certainly has no desire to have Wall street dictate financial affairs as it does at present. The bankers of the state and many of its studious business men believe that the National Reserve association plan would effectively change for the better present conditions and that utilizing the tied up reserves of the banks we should be placed in a much more favorable position to take care of the varying financial demands of the country the whole year round.

Without going into an extended argument it occurs to me that there are a few things that seem to be agreed upon. The important thing that seems to be agreed upon by Mr. Harger and others advocating the central bank plan on the one side and the opponents of it on the other is that at present there is a money trust in New York that dominates the finances of this country. At the head of that trust is the great house of J. P. Morgan & Company. So far I have failed to see where Morgan or any of his intimate associates have offered a single objection to the Aldrich plan. I have not as yet heard that there is any break between the Rhode Island boss and these New York financiers. Has it not occurred to Mr. Harger as strange that these men who now, according to his own statement, dominate the finances and the banks of the country should offer no objection to a plan which he says is going to take that power out of their hands? Have they ever shown a disposition to give up a control once acquired unless compelled to do so? Is it not a fact that they not only do control the finances of the country, but that they insist that they should be permitted to control them without interruption? And yet Mr. Harger would have me and others believe that these men are willing to surrender this tremendous power without a protest or a struggle. Does it not seem reasonable to suppose that if they were opposed to the plan Mr. Aldrich would not be in favor of it? If they really believed that it would deprive them of the power they now possess they would be planning right now to defeat its enactment. Is it true that they have lost their cunning and are not wise enough to see the effect on them of the proposed measure? Go preach that to the marines, Charles. Don't try to impress such foolishness on the minds of ordinary intelligent Kansas readers. Beware of the Greeks when they come bearing gifts. When you see a financial scheme to which Morgan and Aldrich and that crowd have no objections but on the other hand are favorable to, set it down that it is not going to lessen the power of the Morgan financial hierarchy.

The Aldrich plan is fundamentally wrong. If enacted into law it will fasten on this country a financial despotism that will not be gotten rid of for a generation. Speaking for myself I want to say that I will not knowingly support any candidate for congress who is not opposed to its enactment into law.

A SOCIALIST'S EXPLANATION OF SOCIALISM.

The following letter is one of a great many recently received from Socialist subscribers. It seems to me to be a very fair statement of the Socialist belief and I therefore give it space. I might say in this connection that the work to which I referred, "Elements of Socialism," is the joint production of John Spargo and Prof. Arno of Dartmouth college. Both of them are Socialists. Spargo has been especially prominent among socialistic writers for a good while and took a leading part last week in the Socialist convention at Indianapolis.

Mr. Editor—In the issue of April 27 you print a letter from the Appeal to Reason which I consider unfair to you who have always been fair to us, and also reprint your declaration that you have never found a Socialist who could give a definite answer as to how, under Socialism, the product of each man's labor is to be determined. You say you do not expect details of a government yet to be organized, but only some definite ideas as to how the new plan would work. That is reasonable, and if you will accept my answer in the spirit in which it is sent I shall be glad to give some definite ideas with regard to the

matter, just to prove to you that we have them. You have not told us that the professor of economics at Dartmouth, who you say "frankly admits" that the full product of the worker could not be determined under Socialism is himself a Socialist. The probabilities are that he is not. It is a very effective method of downing a philosophy one does not like to "frankly admit" that it has a weakness, but surely one cannot be blamed for doubting the frankness of the one making the so-called admission. Whether this professor is a Socialist or not, however, for all practical purposes the full product of every worker could be determined under Socialism. Better still it would be determined for us without debate or quibbling on our part. For convenience of reference let me formulate a few of the essential doctrines of Socialism.

A. Socialism proposes freedom of choice in occupation and would make it possible.

B. Socialism proposes government management of all industries in which the public have an interest as producers or consumers or both.

C. Socialism does not propose to fix exchange values of commodities or services, but leaves values to be fixed by the law of supply and demand.

D. Socialism proposes to provide amply for the needs of all who through no fault of their own are incapacitated for labor.

E. By the phrase "full net product of the worker" Socialists mean the full exchange value of the net product or the services of the worker. In some cases this may be the product itself, in others some medium of exchange representing its value.

Now it is evident from A and C considered together that the law of supply and demand of commodities or services would regulate the number of men engaged in every occupation so that no one occupation would be overcrowded to the detriment of the others, for, other things being equal, men will choose that occupation which brings the greatest return. It is also evident from B that those not fitted for an occupation could be barred from engaging in it until they were fitted. The question of the infirm, the aged, the crippled, the weak of body or mind is answered by D. Take E as our definition of the general term "full product" when used in the statement, "The worker should receive the full net product of his toil."

Now consider this fact, namely, that the full product of each worker, or at least the full average product of each worker, can even now be determined in many of the leading industries. No one will deny this. Many employees are paid by the piece. Where they are not the good business man, for his own guidance determines for himself the average cost of production at the regular wage rate. He knows what each article costs him in wages. He knows also how many men are in his employ. He could easily find the average production per man. We are speaking only of operatives at the present time. Foremen, managers, "captains of industry" if you please, will be dealt with presently. Admitted then that the product of each operative can be found in many of the leading industries, mining, manufacturing, farming, fishing, lumbering, etc., is it not clear that, under Socialism the return to the worker in these industries will fix the return to the worker in other industries? Suppose, for instance, the product of the average farmer netted him \$5 per day, and that men considered farming and street-sweeping equally desirable employments. Then in order to secure street-sweepers the public (the government) would be obliged to pay to the street sweeper \$5 per day and that, for all practical purposes, would be his product. To insist that men shall be paid in proportion to the value of their services is only to quibble. The people could not pay to the street sweeper the full value of the public health, which is beyond price.

Now for the real captains of industry big and little, professional men, etc. The government having control of all industries could institute competitive examinations at some fixed rate of emolument. If the fixed rate should not be high enough the service would suffer, and the people, in their own interest, would raise the rate. If higher than necessary to secure efficiency they would, in their own interest, lower the rate. Authors, inventors, scientists, etc., could be compensated by government awards; and officials having this in charge would not be likely to abuse their powers, for the recall would hang perpetually over their heads. Authors and inventors, indeed, could be compensated by government royalties on sales without in the least undermining Socialism. No harm is ever done by competition in the realm of thought.

Now, Mr. Editor, I have not exhausted the argument by any means. In your interest I have been brief, so brief that if you please you can take an unfair advantage of me. I have, however, the greatest respect for Tom McNeal and believe in his integrity. If I did not I would never have tried to answer your question. I know there would be difficulties to face in the application of Socialism, especially at the beginning, but difficulties no greater than we are facing every day, and not so great. Socialism is practicable, and would come nearer securing justice to every worker than any scheme of government yet devised.

Floral, Kan.

WHY NOT IMPROVE WESTERN KANSAS?

The following letter from a subscriber seems to me to have a great deal of good sense in it. It is probably true that there is a considerable area in western Kansas where the supply of underground water is not sufficient for irrigating purposes or if there is such a supply it is so deep that it could not be successfully raised with pumps, but even there if there was a systematic plan of dams and ponds to catch and save the flood waters and rains that fall at certain seasons of the year it could be utilized to reinforce the water that might be obtained from wells. It has been demonstrated however that in many localities practically inexhaustible supplies of water can be obtained at such a moderate depth that it can be pumped with moderate expense with the modern high power pumps. Thirty years of experience in part of western Kansas and eastern Colorado has demonstrated that farming by ordinary methods is too uncertain to be profitable, but I firmly believe that the time is coming when by irrigation a large part of that country is going to be made immensely productive and valuable.

And is it not true also that as Mr. Shepherd suggests, this is a matter of state and national con-

cern? Consumption seems to be outrunning production and increasing the difficulties of the problem of high cost of living. If the many millions of acres of naturally fertile land in western Kansas and eastern Colorado on which the crops are either cut short or destroyed by drouth nearly every year, could be brought under irrigation they would support in comfort and even affluence, several millions of people and add tremendously to the wealth of the two states and to the food product of the nation. The following is Mr. Shepherd's view of the subject. I wish to say in this connection that I did not see any evidence of hookworm in the Everglades.

Mr. Editor—After reading your "comments" on "Florida and the Everglades" in May 11 issue of Farmers Mail and Breeze, I concluded you have given your readers a very conservative and truthful narrative of your personal visit to the Everglades. I have often wondered at the credulity of any man or woman that would buy land anywhere without first seeing the land, or buy mining stock or any other kinds of stock without knowing the worth of such stock or the "controlling interest" in it. When a pig has to be put in a poke to sell it something must all the pig.

Between the Florida Everglades and western Kansas or eastern Colorado for a home, we readily would choose Kansas or Colorado. Deliver us from mosquitoes, malaria, yellow fever and the hookworm of the Everglades. With a good irrigating plant on every tillable quarter section in western Kansas and the east half of Colorado that country would be the garden spot of the United States. For health it is not surpassed. The attitude, wind and good pure water simply chase away the miasmas found in the Everglades of Florida. When irrigation covers the east half of Colorado and the west third of Kansas good, smooth, rich land there will be as high as land now irrigated around Greeley, Colo., in price and production. But as long as only a little patch here and there in this vast fertile region is irrigated, leaving the winds and sun to dry out great areas, creating such heat and parched conditions over them sufficient to burn out the few struggling settlers' crops on these little irrigated patches, farming in these regions will be mostly a failure. It seems to us if Florida can afford to spend large sums of money to drain the Everglades, Kansas and Colorado can afford to spend larger sums of money encouraging irrigation of the richest agricultural lands in the United States. All this vast fertile territory needs to make it bloom as a rose is a good farm on every 160 acres and an irrigating plant sufficient on that quarter to deliver the water to the land when it is needed. But the renters of Kansas and Colorado are too poor to buy this land and install sufficient irrigating plants to make farming a success over this vast region. To redeem this rich empire from desert dry conditions will require vast sums of money to irrigate every tillable quarter section in it. Every observing farmer has noticed during a long, dry hot spell of weather if a heavy local shower falls over a section or more of land while large areas around this wet spot are dry and hot, corn or other crops on the wet spot frequently scald or otherwise damage from the parching dry heat floating over it from large dry areas. So the growing crops of many scattered western farmers trying to irrigate a patch here and there suffer. Rains, to make good crops, must be general, so must the wetting of the country by irrigation. A wet spot here and there will not work. Land agents and boomers of land prices, not being able to irrigate eastern Colorado and western Kansas properly to make it boom land prices to suit, have fallen on to dry-farming to boom prices of land in that region. The trouble with dry-farming out there has been dry-farming; not enough rain at the right time to make crops. Water that whole country by irrigation, boys, and the fake dry-farming will no longer fool the tenderfoot.

JAS. D. SHEPHERD.

R. S. Clay Center, Kan.

Too Much Law and Law Making

I believe farmers should have fuller representation and fairer representation in legislation. I don't mean to say that the farmers should select representatives whose only qualification is fidelity to the special interests or the selfish interests of farmers, but they might well see to it that the men they select represent no other special interests and that they will not sacrifice the interests of the farmers in the interest of someone, or something else.

These men need not be unjust or unfair to business, the corporations, the railroads, or the cities, but they should see to it that the farmers get a square deal along with the rest of the state. It is my opinion that this is all the farmers want and all they need in the way of representation.

There are too many "special interests" represented in our legislatures now, and herein we find the reason for the multiplicity of the useless or foolish laws on our statute books. Either some special interest—special business interest or special class interest—secures the enactment of a law with a selfish end in view, or a law is enacted for the special purpose of making "confusion worse confounded." There are so many of these laws that lawyers and judges themselves often seem at a loss to determine what the law really is.

I am not without respect for the legal fraternity but I think we are too much given to sending lawyers to our legislature and to congress. The lawyers have built up a complex system of jurisprudence in our courts which admittedly has become a serious menace to the rights of the people, and I believe that much of the just criticism of the enactment of conflicting ambiguous laws may also be laid at the door of our lawyer-legislators.

Would it not be well to try a few more farmers and a few more business men, and not so large a percentage of lawyers for a time?

Arthur Capper

JAYHAWKER FARM DOIN'S

BY H. C. HATCH, GRIDLEY, KANSAS.

We like to get the experiences, views and opinions of "our folks" on any farm or livestock subject particularly if reasonable and likely to help some of us who may need the information. Your letters are always welcome. Subscriptions to Farmers Mail and Breeze or other good publications for best letters received. Address Editor Farmers Mail and Breeze, Topeka, Kan.

If we have a week in June as wet as the one just past we can make sure there will be no high-priced prairie hay next winter. It has been several years since there was a better show for grass.

Up to yesterday there was a show for an almost perfect stand of corn. What had been planted a week ago was coming nicely but since yesterday noon at least 3 inches of rain have fallen. What it will do to the newly planted corn remains to be seen.

The old song has it that "the farmer is a happy man," but sometimes he isn't. He is not happy when he sees 3-inch rains fall on newly plowed ground and on newly planted corn. The seasons seem to have a grudge against the farmer of late.

But the rain which is bad for the corn is good for grass. Wet weather agrees with prairie grass and the pastures that were cropped into the ground last summer seem to show no bad effects of the close grazing and cattle are doing well. Plentiful pastures will certainly be welcome this year.

Teaching the men through the boys—
is one way of cracking the shell of the man who thinks he knows it all because he has been practicing his grandfather's methods "for nigh onto forty year."
—Bert Hall.

There is every indication that grass fat beef will bring a good price this summer. It will not be likely to remain at the present altitude but the price will be good. We do not see how low prices for cattle can show up for at least two years and it is more than possible they will never be low again.

Anything that sells below \$4 per hundred is low in the cattle line nowadays. This is an increase of 100 per cent over a few years ago when it was not uncommon to see cattle in pretty good flesh sold off for grass for no more than \$2. Actually, the farmers of the West used to work for nothing and board themselves.

The great body of fertile western prairie was broken and the stored richness mined and sold at less profit to the farmers than was made in any other line of industry. It is an actual fact that there were any number of farmers raising good crops who could not keep even with the game; their mortgage indebtedness increased year by year and all the while they were feeding the world and receiving less than a slave's wages.

The richness of the new prairie land did not benefit the farmer; it did benefit the consumer. For years he lived at the expense of the farmer and the manufacturing cities of the East grew rich as the western farmer grew poor. It is a matter of considerable satisfaction to us that the western farmer is sooner or later to receive somewhere near an equitable share of what he produces and as the years go by that share will grow larger and larger.

Just think today, when corn brings 80 cents in nearly all markets, that we used to work hard to raise the grain for from 12 to 15 cents a bushel and the harder we worked and the more we raised the less we got for it. At the same time hogs were \$2.50 per hundred, good grass beef \$2, wheat 35 to 38 cents and hay had no value at all. When we left Nebraska to come to Kansas we sold our hay at public sale for 70 cents a ton.

It would seem worse than slavery to go back and produce these crops for such prices yet it is not so long ago that no more could be had. During the winter of 1895-'96 we were getting ready to move to Kansas and we hauled

off and sold all our grain. Oats we hauled 11 miles and got from 10 to 12 cents for them. Corn brought us from 12 to 14 cents while our wheat brought us from 35 to 38. Just think of it! No wonder the city consumer remembers those years; the farmer remembers them also and he has no desire to go back to them. What is more, he isn't going to.

From a school teacher of 16 years' experience we have received a letter in which he protests against the present system followed or supposed to be followed in our country schools. He protests especially against the course of study as at present outlined. We think his points are well taken. You cannot take a certain number of children, herd them together in their studies, and bring them all to graduating day at the same moment. The more the teacher allows individuality to assert itself the better it will be for the school.

The present course of study should be used, as our friend used it, merely as an outline and not as something to be followed slavishly. To tie all the children of certain ages or classes to a hard and fast course reminds one of the robber of ancient times who had a c-h on which he laid his victims. Those who were too long he cut off while those who were too short were stretched out to fit. We don't think our school authorities wish any teacher to make a Procrustes (name of the robber in question) out of him or herself. The course of study serves as a rule but not a rule to be followed slavishly.

A Mail and Breeze reader in Anderson county has a piece of wheat which he says is literally alive with chinch bugs. He would plow it up and plant to corn but he knows the bugs would take the young corn as fast as it came up. He asks if it will be safe to plant cowpeas and if there is any danger of bugs eating them. Our friend need have no fear of chinch bugs eating cowpeas; they will not touch them and they are, of all crops, the best to put on plowed up wheat land which is infested with bugs. All farmers know that chinch bugs will remain on the land for a long time after the wheat is plowed under even if it is plowed under deep. Any crop raised on such ground has to be something the bugs will not eat and for this we have two things, cowpeas and flax. It is too late for flax so there remains only the cowpeas.

This inquirer also asks what is the best barrier between small grain fields and corn to hold off the bugs. Probably there is nothing better than the cowpeas mentioned. It is still time to plant them and if the strip is made

If I become governor I propose to hire for the state just the same kind of men I hire in my own business—men who can give 100 cents worth of service for every dollar of salary they draw.
—Arthur Capper.

wide enough not many bugs will get through. While bugs will not eat the peas they will travel through them for some distance. Another good barrier is to sow cane or Kafir along the line and when the bugs get well into it, cut it down and when dry burn it. This method is pretty effective but it involves the destruction of the protecting crop. We should rather plant a good wide strip of cowpeas and then all the crops can be saved.

Last year we left a strip 44 corn rows wide between our Kafir corn and a neighbor's oats. This strip we sowed to cowpeas by going round and round with a press drill. When we came to the center we lacked about a rod of having peas enough to finish so completed the job with Kafir. The bugs passed

through the upper half of the peas and reached this narrow strip of Kafir, part of which they ate. They got no farther than this and did no more damage but they went into the peas by the million. Had it not been for them they would have taken the entire field of Kafir had we not done something else to prevent it.

The plant sharp call everything that bears its seeds in pods a legume. All of the legume family are free from attacks of chinch bugs and it will be safe to sow any of them anywhere so far as danger of chinch bugs is concerned. The legume family includes all peas and beans of every variety, all the clovers and alfalfa. It seems strange to find that chinch bugs will eat none of these plants but if it is strange it is also fortunate. Two years ago we sowed a field to timothy and clover. The bugs ate every spear of timothy and did not touch a spear of clover, so we have a field of pure clover now as it is in moist creek bottom land and lived through the dry summer of 1911.

Easy to Prevent Smut in Kafir

BY H. F. ROBERTS,

Botanist, Kansas Experiment Station.

(Written for Farmers Mail and Breeze.)

Every year Kansas pays a heavy tax to Kafir smut. Some years it is less than 10 per cent and many years it is very much heavier. Why do we pay this tax amounting to many thousands of dollars every year, when it is entirely unnecessary? Kafir smut may be prevented by treating the seed with formaldehyde. Be sure to get pure formaldehyde, full strength. If the supply from the local drug houses is uncertain in quality and strength, then buy of a wholesale drug house. The Potts Drug company of Wichita, Arnold Drug company of Topeka or Faxon-Gallagher Drug company of Kansas City can be depended upon to supply pure formaldehyde. It retails at 50 cents per pound (pint).

Treating Seed for Smut.

Make a solution of one-half of 1 per cent with water. To make up 50 gallons, use 2 pints of formaldehyde. Soak the seed for 2 hours in this solution. The same liquid may be used over and over again so long as the seed is kept covered. The most satisfactory method of procedure is to hang the smutted seed enclosed in a loose burlap bag, in a barrel into which the formaldehyde solution has previously been poured. Cover the top of the barrel to retain the fumes of the escaping gas as perfectly as possible. After soaking, the seed should be spread out upon a clean floor and turned occasionally until dry.

Peculiarity of Kafir Smut.

The smut of the cultivated sorghums is caused by one of a lower order of plants known as "fungi" and closely related to the smut of corn. There is this peculiarity of the Kafir smut: The spores, which send their germinating tubes into the plants, can only do this when the plants are just sprouting. Corn smut, on the other hand, can infect plants at any time during their growth, so that the treatment of seed is of little use in the case of corn.

Let every farmer who is planting Kafir, sorghum, or broomcorn this season, treat the seed with formaldehyde, according to the method given above, which was discovered by the writer in 1907, and which has been repeatedly tested since then and found perfectly successful. In the writer's own experiments there was no smut at all on plots treated in this way, whereas in the check plots untreated, we had 33.37 per cent of smutted stalks.

Manhattan, Kan.

SPECIAL SUBSCRIPTION BARGAIN.

The Farmers Mail and Breeze Until January 1, 1913, for Only 25 Cents.

This is a special subscription offer made to interest new readers in Farmers Mail and Breeze. Send 25 cents in stamps and get the big farm paper every week from the time your order reaches us until January 1, next. Regular price \$1.00 per year. Tell your friends about this special subscription offer. If you send in a list of four, with a remittance of \$1.00, we will give you your own subscription for your trouble. Send at once and get the full benefit of this special low offer.



The Aeromotor with the automatic regulator stops when the tank is full and starts when the water is lowered 4 inches. You oil it once a week. A gasoline engine has to be started and stopped and oiled and attended almost constantly, and you have large expense for gasoline and oil. The wind is free.

We make gasoline engines (exceedingly good ones) but, for the average water supply for the home and 150 head of stock, an 8-foot Aeromotor with a storage tank, which is a necessity with any kind of water supply, is all that is needed and is by far the more economical. The supply of wind for the Aeromotor is more to be relied upon than the supply of gasoline, batteries and repairs for the gasoline engine.

The cost of gasoline, oil, batteries and repairs in pumping for 150 head of stock with a gasoline engine, will buy an 8-foot Aeromotor every year, and you are still to the bad the amount of time you spend over the gasoline engine.

But the gasoline engine has its place on the farm notwithstanding the fact that 101 people are maimed or killed with gasoline where one is injured by a windmill, and that 100 farm buildings are burned with gasoline where none is injured by a windmill. For the water supply, the windmill is the thing. Thousands of farmers who have done their first power pumping by a gasoline engine have become tired of it and are buying windmills. That is one reason why our windmill business increases from year to year. We can furnish you much testimony like the following:

Devine, Tex., Dec. 15, 1911.

I am sending you a photograph of one of the oldest windmills in this country. It is being the first Aeromotor put up in Medina County, and is used to furnish water for hundreds of head of cattle. It was put up in the year 1895 and is owned by Mr. Murdo Moore. The only repairs this mill has ever needed are one small gear and a rocker arm, the total cost of which was \$5.00. This Aeromotor is still running and doing good service, furnishing water for cattle and family.

LOUIS SACONY.

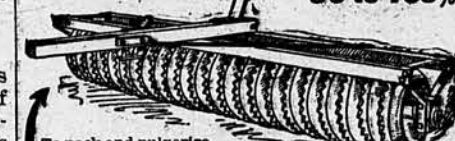
Find, if you can, a statement like this regarding gasoline engines.



Of course, there are places where a windmill cannot be used. There you will have to use a gasoline engine, with all of its disadvantages. We will furnish for that place a small engine which costs but \$37.50 complete, so it can be used to pumping in 30 minutes. Or we will furnish you a pump jack—the best made—for \$5.00 to do pumping with a larger gasoline engine.

Send for catalogue giving full information about water supply. Aeromotor Co., Chicago, Branch Houses: Oakland, Cal.; Kansas City, Mo.; Minneapolis, Minn.

Packer, Pulverizer, Mulcher
3 Machines in 1
INCREASE ALL YOUR CROPS 50 to 100%



To pack and pulverize the seed bed and keep a loose mulch on top—to retain the moisture—is as important as to sow and to plant.

The Western Land Roller Will Do It All.

We sell direct to you. Free Circular gives description, price list and testimonials. Tells how to get better crops and increase your Winter Wheat yield by rolling in the spring—how to get a perfect stand of alfalfa with but 6 lbs. of seed per acre. Write for the FREE Circular today.

Western Land Roller Co., Box 125, Hastings, Neb.

THE HINGE-DOOR SILO
BUILT OF FIR



ONE-PIECE STAVES—

half-inch tongues and grooves—heavy all-steel door-frame—hinges form ladder—billet steel hoops—a silo with every convenience and built to last a lifetime. Write for catalog.

NEBRASKA SILO COMPANY
Box 3, LINCOLN, NEBR.
Kansas Branch: Continental Creamery Co., Box 5, Topeka, Kan.
Missouri Branch: Bellows Bros., Box 3, Maryville, Mo.

BROWN FENCE
MOST durable fence made. Heaviest wire. Double galvanized. Stock strong. Chicken tight. 12 to 35¢ per rod. Sample free. We pay freight. The Brown Fence & Wire Co., Dept. 13, Cleveland, O.

Fish Will Bite
like hungry wolves, fill your traps or bait line if you bait with Magic Fish-Lure.
Best fish bait ever discovered. Keeps you busy pulling them out. Write to-day and get a box to help introduce it in your neighborhood. Agents wanted. J. F. Gregory, R-20, St. Louis, Mo.

Where the West Begins.

Out where the handclasp's a little stronger,
Out where a smile dwells a little longer,
That's where the West begins.
Out where the sun is a little brighter,
Where the snows that fall are a trifle whiter,
Where the bonds of home are a wee bit tighter,
That's where the West begins.

Out where the skies are a trifle bluer,
Out where friendship's a little truer,
That's where the West begins.
Out where a fresher breeze is blowing,
Where there's laughter in every streamlet flowing,
Where there's more of reaping and less of sowing—
That's where the West begins.

Out where the world is in the making,
Where fewer hearts with despair are aching—
That's where the West begins;
Where there's more of singing and less of sighing,
Where there's more of giving and less of buying,
And a man makes friends without half trying—
That's where the West begins.
—Arthur Chapman.

Best Types of Hay Doors

READERS' PLANS.

I am building a barn and would like to know what is the best way to put in a large hay door. Who has tried the plan of making the door in two sections and sliding them down on a track under the roof?—T. P. T., Wayne, Kan.

Mr. Editor—We have a large hay barn with door made of two sections hung on a track that is put on under the edge of the roof. Doors made on this plan and of light lumber work perfectly but when made of hard pine they are quite heavy.
Lawrence Schumaker.

R. I. Paxico, Kan.

Uses the Common Hangers.

Mr. Editor—I use the two-section door and have track and hangers just like those used on sliding barn doors. Place the track close under the eaves. Run a rope from the lower outside corner of each door and run this over a pulley inside the door frame. Hang a weight on the end of the rope to help raise the door. To hold the doors in at the bottom when shut, use a 6-inch lag screw with a 4-inch bar welded to the head to form a T, and put this in between the doors. Put a batten on one door to cover the crack.

Nickerson, Kan.

W. A. S.

Easy to Open and Close.

[Prize Letter.]

Mr. Editor—T. P. T. will make no mistake if he builds this type of hay door. It keeps the rope in the dry, does away with warping, and makes the strongest and easiest door to handle one can put in. The door is hinged at the top and



swings out from the bottom. My door is 8 by 8 feet and the hood is built out 4 feet. If I had to do it again I would build the door 8 by 10 feet and have the hood out 5 feet. My barn is 40 by 44 feet in size and there are five others in this vicinity built just like it. The first one was built eight years ago.

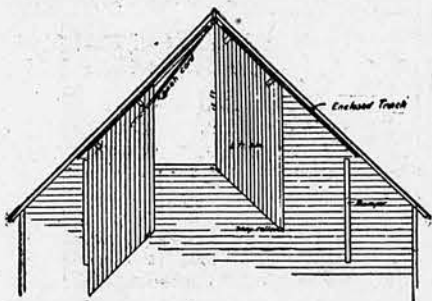
Galva, Kan.

J. M. Goering.

Plan of the Two-Section Door.

[Prize Letter.]

Mr. Editor—We use the two-section door on our barn and have found it successful. Each section is hung on an enclosed barn door track which is bolted



OUT OF THE WAY AND EASY TO CLOSE.

to the siding just under the cornice. By cutting the doors at the bottoms at the same angles as the tops we can use stay rollers to hold them in place at the bottom, thus preventing flapping by the wind. We fastened a small side pulley on the inside near the top of each door and a double awning pulley to the first rafter in the comb of the roof. By threading sash cord through these pul-

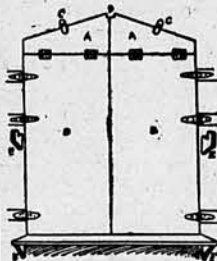
leys the doors can easily be raised and lowered by one man. We have never had the least trouble with these doors and have always found them safe open or shut.
R. P. Schnacke.

Great Bend, Kan.

Wind, Rain and Bird Proof.

[Prize Letter.]

Mr. Editor—A year ago I built a barn and had a hay door put in which has few of the faults of the other types in use. The door is 12 feet high by 8 wide and is made of matched soft pine on cypress bats fastened with screws. This door is divided into four sections and opens inward. Sections A A are fastened to B B by



hinges, which in opening the door are dropped and permit each section to swing under the rafters inside. Sections B B swing on three 24-inch hinges which reduces sag to a minimum. E E are two brackets into which an oak bar fits to hold the doors when closed. Buttons at C C hold the upper sections. This door is wind, rain, and bird proof, easily closed or opened, regardless of weather. It is out of the way when open and presents a neat appearance when closed.
Clyde K. Rodkey.

R. 3, Blue Rapids, Kan.

Raised With the Hay Tackle.

Mr. Editor—I have been a contractor for several years and have put in almost every kind of hay door including those with track running down under the roof outside, but the one that meets the approval of most people that have used it is built as follows: In building your barn put up a 2 by 6 studding on each side of the opening to be left for a door. From your door sill in the loft measure down a distance equal to the height of your door and at that point put a header between the two studs. Run a track up and down on the inside of each stud for the door to travel in then board up on the inside and outside of the studding so as to keep the hay from interfering. To raise the door remove the fork and by means of a small pulley raise your door either with the team or by hand if not too heavy. By cutting the door an inch short a 6-inch board may be slipped under the bottom to keep water from running down the door and into the hay. Leave an opening in the bottom of the casing for short hay to drop through.

Abilene, Kan.

E. F. Knerr.

Here's a Haying Time Knack.

[Prize Letter.]

Mr. Editor—I have a small pulley at the outer end of the track in my hay barn and run my trip rope over this. This makes it much easier to pull the fork back. You can let it come down as slowly as you please and you need not dodge the fork, as you have it under control at all times. This scheme also keeps the trip rope from wearing out over the door sill. I use a Louden fork now but have also used a harpoon. The harpoons are all right when hay is just right but when it is dry they are wearisome.

I begin cutting alfalfa in the morning and start the side delivery rake at noon. The rake will about catch up by night and next day we put the wagon and hay loader to work then unload and put the hay in the mow with a horse fork.

R. 3, Yukon, Okla.

H. J. Earl.

OUR SPECIAL OFFER.

To new subscribers: The Farmers Mail and Breeze until January 1, 1913, for 25 cents. Call over to your neighbor or hail him as he passes on the road, if he is not a subscriber to The Mail and Breeze, and tell him about this special offer. Earn your own subscription. If you send us 4 of these trial orders and the \$1.00 collected we will extend your time 1 year.

A Trial Convinced Him.

Mr. Editor—Some time ago I subscribed for Farmers Mail and Breeze on three months' trial and I like the paper better than any farm paper I have ever taken.
G. H. Shoemaker.

Bennett, Colo., May 10, 1912.



The One Improved Farm Power Outfit for—

Plowing
Harrowing
Seeding
Cultivating
Harvesting
Threshing
Hauling
Sawing
Pumping
Grinding
Road Grading
Silo Filling
Hay Baling
Husking
Shredding

And all other Tractor power and Belt power work on any farm or ranch.

Send YOUR Name for Useful Catalog

With an you can cut down the cost of raising your crops—adding the saving to your profits. You can make big money by cutting down farming costs for your neighbors. There is always work for the to do. Shrewd farmers on 160 acres have made it pay enormous profits. Why not investigate now by writing? The is the only tractor that successfully

Burns Cheapest Kerosene

at all speeds, all loads, under all conditions—because no other tractor has the Secor-Higgins carbureter. Read about it in our free catalog. Read the letters from owners to prove it

Makes Enormous Savings

over horses, over heavy, cumbersome steam outfits, over any other traction outfit in the world. Don't take our word—get the absolute proof—and see if you can afford to farm without this tractor.
M. RUMELY CO., 5554 Main St., La Porte, Indiana, U. S. A.

John J. Langen, Kankakee County, writes: "I am well pleased with my Type 'R' Oil Pull Tractor. I have been pulling six plows and have been averaging better than fifteen acres per day. I have experienced no trouble whatever with the whole outfit, and would not be without one as I can use it for plowing, hauling on the road, disk-ing my ground in the spring and also for threshing and shelling."



This 3½-Tons-Per-Hour Hay Press Carries Its Own Power Plant

\$10 TO \$15 A DAY NET PROFITS

Not content with merely building the fastest-baling Hay Presses on earth, we have added gas-power equipment by putting a high-class Gas Engine right on the same truck with the Press. This gives cheap power in abundant quantities. You can bale up to 2½ to 3½ tons per hour at lowest cost of operation and no time lost getting ready for business. Compact and easily moved. Don't have to set up or line up with engine. Solid steel machinery. Some owners of Sandwich Motor Presses made \$10 to \$15 a day last season, nearly double the usual profit. The big feed-opening of the Press takes double-size charge of hay. It's a self-feeder—direct from fork. Friction clutch sprocket on press. Can start or stop press instantly. Simple block dropper—lever brake. Simple, smooth and easy running, yet it bales 35 per cent more than any other press of same rated size. Nothing like it for windrow work.

Engine is hopper cooled type—requires little water. Heavy steel roller, chain drive. Chain delivers full power of engine. No belts to lose power or cause trouble. Comes completely and fully equipped. Engine can be removed for other work. No amount of money can buy a better gas engine. Can furnish outfits with 4, 5, 7 and 9 horsepower engines.

Sandwich Motor Press

Horse Power Presses

Our Steel Belt Power Press, our Two-Horse Full Circle, Self-Feed Presses and our "New Way" Horizontal Press are pace-makers in horse power presses. Wood frame or steel frame

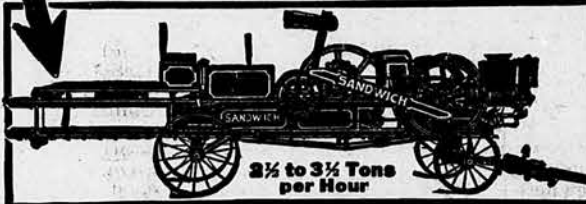
—as big or little as you wish. Our catalog pictures and describes each style. And each press is reasonably priced.

Postal Brings Booklet

Send your name and address on postal today and our latest Book, "Tons Tell," will be put in your hands by next mail. This Book not only describes our many Hay Presses, but shows the huge profits, in hay baling. Baled hay is now bringing skyscraper prices. Most everybody wants theirs baled. No trouble to get plenty of business and the profits are large and well, get the book—it's free.

Sandwich Mfg. Co.

1522 Main St., Sandwich, Ill.
Branches: Box 1822, Kansas City, Mo.
Box 1522, Council Bluffs, Ia.



Saves 1/3 Baling Cost

Ann Arbor
"THE BALER FOR BUSINESS"

25 YEARS ON THE MARKET
Give Size of Your Engine and we will tell You the Baler to fit it. We Build Baling Machinery Only.

Write For Catalogue No. 1

Ann Arbor "Columbia," with 10-16 H. P. Bales from 40-75 tons in 10 hours. For Steam or Gas.
"Ann Arbor" "35," with 6-10 H. P. Will bale 20-40 tons in 10 hours. Medium weight. For Gas Engine.
Peerless Jr. and Ann Arbor No. "20," with 8½-4 H. P. Will bale 12-20 tons in 10 hours. A light weight Baler for Gasoline Engine.
Our New Catalogue No. 1 Gives Details.
Mand. by ANN ARBOR MACHINE CO., Ann Arbor, Michigan.



THE WINDROW BALER

Boys' Beef Club Doing Well

Proof the Boys Are Interested and Will Make Good As Feeders if Given the Chance

From a Kansas viewpoint did you ever see a prettier picture than the Kansas boy and his white Shorthorn steer on the cover page of this week's Mail and Breeze? One is a yearling and the other is a 12-year-old, or was when he began feeding the calf. Both are "Kansas raised." The boy is 13 now and sold the steer several weeks ago on



JIM HULTS AND HIS CALF.

Jim Hulth, an Illinois farmer boy, wants to join the Capper Boys' Baby Beef Club. He expects to move West this summer and will bring his calf with him.

the Kansas City market for \$81 more than he paid for it a year ago.

It begins to look as if the Capper Boys' Baby Beef club hadn't arrived ahead of time after all. And of course it hasn't. The interest the boys are taking in it proves that.

Edmond Mahurin, or "Ed," as the boys probably call him, is a son of J. A. Mahurin, of Sharpe, Kan., a member of the Kansas legislature from Coffey

county. He has just been graduated from the rural schools. About a year ago he bought the steer from his dad for \$32. It was then a handfed calf. On April 20, 1911, when Ed turned the calf on pasture it weighed 400 pounds. By October 20, under its new owner's care and attention, the calf pulled the scale beam down to 860 pounds, having more than doubled its weight. This meant a gain on pasture of more than 2½ pounds a day for the 180 days. When the steer was marketed a few weeks ago it was found the net gain for the year under Ed's way of feeding was 970 pounds, a daily gain for each day of the 365 of well over 2½ pounds. Which goes to show what farm boys can do in the baby beef line.

Late in the fall the boy began feeding corn chop, shelled corn and bran, with mowed oats and prairie hay for roughness. In February, 1912, he began feeding equal parts of corn chop and cottonseed meal, with a small handful of oil meal in each feed. Prairie hay furnished roughness. On April 22 of this year the steer weighed 1,370 pounds and brought \$113 on the Kansas City market, selling for \$8.25 per hundred.

I should say a Kansas boy who can handle a steer like that had learned how to feed. You will notice that Ed. Mahurin's white steer shows quality and finish in every line.

From Two Cloud County Boys

When I first proposed baby beef clubs for the boys I will confess it looked a little like a doubtful experiment, but I am now of the opinion the boys will surprise the older heads this fall at both of our big state fairs. A letter I received the other day from two Cloud county boys aged 11 and 13, respectively, indicates the interest the boys are taking in our calf-fitting contest. Here it is:

Mr. Arthur Capper, Topeka, Kan.
Dear Sir—We notice in today's Mail and Breeze the Baby Beef contest you are putting on at the Topeka and Hutchinson state fairs. Will we be allowed to show at both fairs or only one of them? Theodore and I own a good calf as partners and we would like to enter the contest as partners. But if you and the fair management will not allow us to compete as partners, brother offers to sell me his half interest in the calf for \$17.50 and I will try it alone. Please ask the fair people about this and give us your personal opinion, too. Very truly,
RAYMOND TILSON,
Concordia, Kan.

A good, straightforward, businesslike letter from a boy of 13, isn't it, and what is really rare, not a misspelled word in it. I believe there will be no objection to the plan of Tilson brothers. Two boys cannot make a steer eat more than one boy can and it is not uncommon at fairs for two persons to enter the same animal and, if they win, share the prize-money. It is also customary for the same exhibitors to compete at several fairs.

Each Boy Must Fit a Calf

To make the first contest of the Capper Boys' Baby Beef clubs absolutely fair, each boy who exhibits a steer or heifer next fall, at either or both of the Kansas state fairs must have a certificate signed by two witnesses before a notary, that he is the owner and fitter of the animal. Each contestant must be 18 years old or under at time of entering the contest and must have a calf of his own. It must be cared for, developed and fed by himself. The calf must be a year old or over by September 1. It makes no difference what the breed is, it may be a grade, crossbred, or purebred steer, spayed or martini heifer 1 year and under 2 years. It may be fed any way the owner sees fit.

Each boy must make his entry with H. L. Cook, secretary of the Kansas State Fair at Topeka, or with A. L. Sponsler, secretary of the Kansas State Fair, at Hutchinson, on blanks, which the secretary will send him on application. This should be done promptly. The class will be known as the Capper Boys' Baby Beef Special.

In addition to the regular prizes offered by each fair association, I have offered cash prizes at both fairs of \$15, \$10 and \$5 respectively, for the three best fat calves exhibited by Kansas

boys. That means six special cash prizes besides the regular prizes offered by the fair. Then after the show the boys may sell their baby beves at auction. I ask every boy who intends to enter a calf to notify me of the fact by filling out the enrolling blank at the bottom of this column.

Arthur Capper

How Many Hogs Per Acre?

Mr. Editor—The mistake is often made of putting on too many head of hogs per acre in May and June when the forage is having plenty of rain and it is making rapid growth. After the rains have stopped and the forage is making a slower growth the hogs soon consume the surplus and eat it too closely before the attention of the feeder is called to it.

Generally speaking an acre of Red clover should support 8 to 10 hogs for three or four months. Alfalfa should pasture from 12 to 20 for the same length of time. Alfalfa should not be pastured so closely that mowing will not be necessary. The rule should be to put on only enough hogs to allow one cutting of hay to be taken off during the pasture season. The first season alfalfa should be pastured lightly if at all. Not more than 10 head per acre should be used.

Bluegrass will support 8 to 12 head per acre for five months. Green rye will support from 10 to 12 head for eight weeks, and the ripe grain from 10 to 12 head for five to eight weeks. Cowpeas, soybeans, chufas, artichokes and peanuts will provide feed for 8 to 12 head for five to eight weeks depending upon the amount of grain given. Rape is a vigorous grower and will furnish succulent forage for 9 to 12 head per acre for 8 to 12 weeks. Best results with rape are obtained where oats and clover are sown with it. Corn that is to be hogged off when mature will feed, when there is an estimated yield of 50 bushels per acre, 10 hogs for five weeks or 30 hogs for about two weeks.

F. B. Mumford.

Missouri Experiment Station, Columbia.

Pasturing Farm Stock on Rape.

Mr. Editor—I formerly lived in Michigan and one summer while there I had several odd three-cornered lots into which I sowed rape. After the crop had a good start I turned the hogs into one patch for about a week, then took them out and turned them into the next for one week. I changed them about in this way but they couldn't keep the rape down so about the middle of the summer I turned in the milk cow for a while during the middle of the day. It didn't hurt the cow so I also turned the horses in on it for a while and found they liked it. The next summer I came to Iowa and sowed a patch of rape. When about 6 inches high I turned in the hogs. They ate it off to the ground and it did not sprout again. This proved to me that rape must have a rest or it will be killed out. Everything on the farm likes rape and it is the best hot weather crop I know of.

Welch, Okla.

W. G. Haworth.

Would Give It First Place.

Mr. Editor—I am a subscriber to Farmers Mail and Breeze and think it is the best farm paper printed.

Joseph Franklin.

R. 3, Mutual, Okla., April 28, 1912.

Entrance Blank

ADMITTING ANY BOY 18 YEARS OLD OR UNDER TO CONTEST.

To Arthur Capper, Topeka, Kan.

I intend to compete in the Capper Boys' Baby Beef Contest at the Kansas State Fair (Topeka or Hutchinson). Please admit me to membership in the Capper Boys' Baby Beef Club for the year 1912. I agree to abide by and follow the conditions given in the paper from which this coupon is clipped.

Name

P. O.

State..... Age.....

Filled out and mailed as directed this blank entitles the signer to membership in the club and to enter the contest without further notice.



C B F R

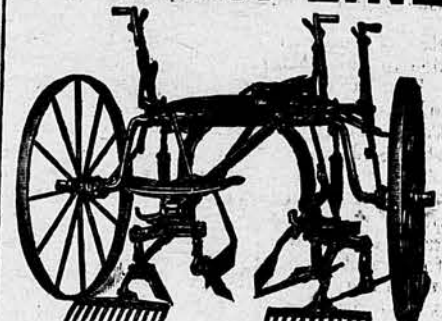
When you buy a Lightning Rod you want ABSOLUTE PROTECTION. Only a PERFECT ROD will afford it. THE WORLD'S BEST LIGHTNING ROD costs only a little more than the cheap affairs which are hawked about. Buy the BEST and make your family and your property safe from lightning. COLE BROS. FRANKLIN ROD is the BEST, in use Sixty-three years, never failed. Avoid "Imitations", the GENUINE has C B F R stamped on the coupling of each Rod Section. Every foot guaranteed.

COLE BROS. LIGHTNING

ROD COMPANY

316 S. 7th Street, SAINT LOUIS.

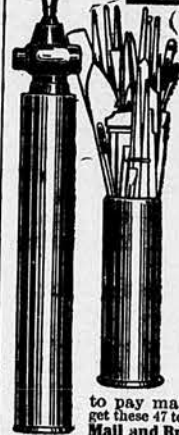
OTTAWA LINE



If interested in Cultivating Corn, Shelling Corn, or Handling Corn or any other grain on the farm, write for catalogue describing the "Ottawa Line" of Farm Machinery, Address Dept. C, KING & HAMILTON CO., Ottawa, Illinois

POCKET KIT

47 PERFECT-PRACTICAL FREE SLENDID TOOLS



Some of the 47 Tools

Hammer, Screw Driver, Chisel, Corn Knife, Dividers, Tweezers, Compass, Saw, Protractor, File, Round File, Rule, Bevel, Universal Chuck, Tool Handle, T Square, Tri Square, Scratch Gauge, Depth Gauge, Rule Gauge, Slide Calipers, Reamer, Countersink, Brad Awl, Harness Awl, Scratch Awl, Straight Edge, Ink Eraser, Tack Claw, Nail Set, Center Punch, Bag Needle, Ball Needle, Button Hook, Spatula, Scraper, Stiletto, and ten others.

Send just \$1 to pay for a year's subscription to Mail & Breeze and enclose 25c extra to pay mailing expense—\$1.25 in all—and get these 47 tools free. Money back if not satisfied. Mail and Breeze, Dept. 47-T, Topeka, Kansas

Kouns' Galvanized Steel Stackers, Rakes and Sheds Make Good Hay. LET ME SHOW YOU. Wesley Kouns, Dept. A, Salina, Kansas

Learn to be An Auto Expert

Six weeks spent at this great Automobile School—the largest in the world—will greatly increase your earning power. There's big money in the Automobile business. Come now while we have special LOW SUMMER RATES. Our graduates are in big demand as Salesmen, Demonstrators, Repairmen and Drivers. Many of them Earn \$75 to \$200 a Month. We make you practical, competent man able to run and repair any make of Automobile and ready for a position as soon as you leave school. Write for Summer Rates and Catalog. AUTOMOBILE TRAINING SCHOOL. Largest in the World. 1105 Locust St., KANSAS CITY, MO.

JAYH

We like to get the livestock subject part of the information. Your Breeze or other good Mail and Breeze, Topeka

If we have a week the one just past there will be no big next winter. It has since there was a big

Up to yesterday it had been planted a ing nicely but since least 3 inches of rain it will do to the remains to be seen

The old song has is a happy man," isn't. He is not 3-inch rains fall ground and on new seasons seem to be the farmer of late.

But the rain which is good for grass, with prairie grass were cropped into

Teaching the n —is one way of —the man who th because he has grandfather's me forty year."

mer seem to show close grazing and Pleasant pasture welcome this year

There is every fat beef will be summer. It will main at the price will be low prices for at least two years possible they will

Anything that dred is low in t This is an increa a few years ago common to see flesh sold off g \$2. Actually, t used to work themselves

The great b prairie was bro ness mined and the farmers the er line of indus that there were raising good cr even with the indebtedness incr all the while world and rece wages.

The richness did not benefit fit the consu at the "expens manufacturing rich as the v It is a matte tion to us th sooner or lat near an equi duces and as will grow lar

Just think cents in near to work hard 12 to 15 cent we worked a less we got bogs were \$2 beef \$2, whe had no value braska to ce hay at publ

It would go back an such prices that no mor winter of ready to mo

When the Appetite Lags

A bowl of

Post Toasties

with cream hits the right spot.

"Toasties" are thin bits of corn; fully cooked, then toasted to a crisp, golden-brown.

This food makes a fine change for spring appetites.

Sold by Grocers, and ready to serve from package instantly with cream and sugar.

"The Memory Lingers"

Made by Postum Cereal Company, Ltd. Pure Food Factories Battle Creek, Mich.

Are Concrete Silos a Success?

BY C. S. NEVIUS.

[Written for Farmers Mail and Breeze.]

Mr. Nevius answers the question that heads this article in a strong affirmative, based on his experience in building several cement silos. Last winter he fed his fine herd of Shorthorns out of them and got no frozen silage and this season he proposes to "can" some alfalfa for hog feed next winter. His article answers about all the questions that have been asked about cement silos in the best way of all—from actual test and trial.—Editor's Note.

Since my article on concrete silos appeared in Farmers Mail and Breeze I have received a flood of letters asking if concrete silos really were a success, if there really was no danger from cracking, if the silage in them keeps well,

had only about 40 tons of cane for roughness which would have been enough for an ordinary winter but as it was we had to buy about 20 tons of alfalfa hay to help out. We fed 2½ pounds of silage per day to 140 head of cattle and this was enough to keep them growing nicely. In addition to the silage we fed about ¼ ton of cane hay. Counting the silage worth \$5 per ton and the daily allowance of cane as \$2.50 we were giving \$15 worth of feed per day. Had we fed alfalfa or clover hay alone we could not possibly have done it for less than \$28 per day.

Our corn used for silage would have husked out about \$12 to \$15 per acre but the silage made from it is worth

were fed heavily on silage from the first and the corn increased to a full feed in 90 days. Shelled corn was used throughout the experiment. Beginning on the 91st day Lot 4 was allowed corn and silage according to appetite while Lot 5 was held back on silage and shoved hard on corn, the object being to make the ration concentrate at the end of the fattening period. It is significant that this method of feeding made Lot 5 return the largest profit per head, and this in spite of the fact that corn was considerably higher during the last part of the experiment.

All feeds were charged at actual market prices. One of the interesting facts brought out in the experiment was that silage-fed cattle are not heavy shrinkers as has often been stated. Further facts concerning the outcome of the experiment are given in the table showing the results of the test.

Chile Wants Mail and Breeze

Farmers Mail and Breeze acknowledges receipt of the "Anales Agronomicos," in other words the Chilean year book of agriculture, from the hand of the Republic's inspector general of agriculture, the Hon. S. Cubillos Valdureso, who writes us in fluent English as follows from Santiago:

Farmers Mail and Breeze, Topeka, Kan., Dear Sir—This inspection, wishing to late his sphere of action, distributes his publications to all parts of the world. In the this manner hopes to obtain the change of foreign reviews of agriculture.

Obtained the address of your review by the Pan American Union of Agriculture Reviews it applies to you.

To have change with all the reviews of the matter adjoins the last number of the publication, entitled "Anales Agronomicos," what edition makes this inspection, hoping of your friendly kindness, that you do effect the desired change, sending one number with the next mail.

S. CUBILLOS VALDURESO.

Santiago 30 de Marzo de 1912.

All of which, being freely translated, means that the honorable gentlemen wishing to enlarge his sphere of action is distributing his publications to all parts of the world, hoping thereby to obtain in exchange the foreign reviews of agriculture, and that he would like a copy of Farmers Mail and Breeze by next mail. We hope he won't find it as hard to read as we found his letter.

Memorial to Governor Glick

A memorial in the form of an oil painting of the late ex-Governor Glick will be placed in Kansas Agricultural

TABLE SHOWING RESULT OF THE TEST.

	Lot 1.	Lot 2.	Lot 3.	Lot 4.	Lot 5.
Initial weight	940.	943.	919.	920.6	922.8
Final weight	1299.7	1299.	1261.3	1246.	1257.
Av. daily gain	2.398	2.373	2.281	2.169	2.228
Selling price, Chicago	\$8.20	\$8.15	\$8.10	\$8.10	\$8.10
Net profit per steer	\$17.27	\$22.22	\$22.03	\$22.45	\$23.46
Pounds shrink per steer	34.7	21.	31.3	32.	29.

POUNDS FEED EATEN PER STEER DAILY.

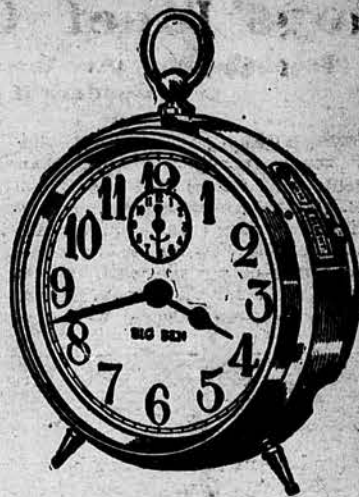
	Lot 1.	Lot 2.	Lot 3.	Lot 4.	Lot 5.
Corn	20.20	16.95	15.00	13.71	14.64
Cottonseed meal	2.28	3.08	3.08	3.08	3.08
Clover hay	9.02	3.90
Silage	22.35	27.10	30.81	28.62

fed for 150 days, beginning November 23 and ending April 21. The bunch was divided into five lots of 10 steers each and fed separate rations as follows:

- Lot 1—Corn, cottonseed meal, clover hay.
- Lot 2—Corn, cottonseed meal, clover hay, silage.
- Lot 3—Corn, cottonseed meal, silage.
- Lot 4—Corn, cottonseed meal, silage.
- Lot 5—Corn, cottonseed meal, silage.

The first three lots were put on full feed of grain in 40 days. The other two

college by the Kansas Improved Stock Breeders association of which the former governor was an active member for many years. The cost of the portrait will be about \$200. George M. Stone is the artist. A committee is now taking up subscriptions to cover the expense. E. W. Rankin of Farmers Mail and Breeze is chairman of this committee and the other members are Henry W. McAfee of Topeka, and Bailie Waggener of Atchison.



Don't set your mind, set Big Ben

You ought to go to sleep at night with a clear brain—untroubled and free from getting-up worries. Such a little thing as "deciding to get up at a certain time in the morning" and keeping it on your mind often spoils a needed night's rest and makes a bad "next day."

Big Ben is not the usual alarm. He's a timekeeper; a good, all-purpose clock for every day and all day use and for years of service.

He stands seven inches tall. He rings with one long, loud ring for 5 minutes straight, or for 10 minutes at intervals of 30 seconds unless you shut him off.

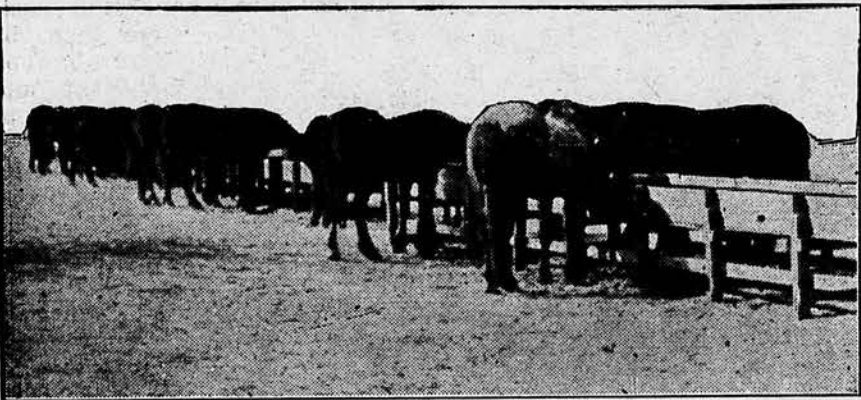
His big, bold figures and hands are easy to read in the dim morning light; his large, strong keys are easy to wind. His price, \$2.50, is easy to pay because his advantages are so easy to see. See them at your jeweler's.

Big Ben is sold by 16,000 watch-makers. If you cannot find him at your jeweler's, a money order sent to his designers, Westclox, La Salle, Illinois, will bring him to you express charges prepaid.

BIG BEN

"RANGER" BICYCLES
Have imported roller chains, sprockets and pedals; New Departure Coaster-Brakes and Hubs; Puncture Proof Tires; highest grade equipment and many advanced features possessed by no other wheels. Guaranteed 5 yrs.
FACTORY PRICES are less than others ask for cheap wheels. Other reliable models from \$12 up. A few good second-hand machines \$3 to \$5.
10 DAYS' FREE TRIAL—We ship approval, freight prepaid, anywhere in U.S., without a cent in advance. DO NOT BUY 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. H131, CHICAGO

PATENT YOUR IDEAS
\$9,000 offered for certain inventions. Book "How to Obtain a Patent" and "What to Invent" sent free. Send rough sketch for free report as to patentability. Patents advertised for sale at our expense in Manufacturers, Journals.
Patent Obtained or Fee Returned
CHANDLER & CHANDLER, Patent Att'ys
Established 16 Years
975 F. Street, Washington, D. C.



BROOD MARES EATING SILAGE ON SHAW RANCH, MEDICINE LODGE.

An Iowa reader has fed silage to horses for five years with most satisfactory results, including stallions, mares in foal and none of it is moldy. Horses are poisoned by

etc. I want to answer all these inquiries in this letter.

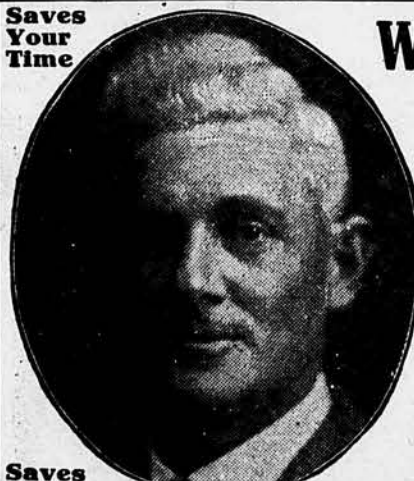
We have no fear of cracking if the mixture used in building them is wet. For a 16 by 38-foot silo you will need about 30 tons of crushed rock, 15 tons of coarse sand, and 200 sacks of cement. This will build a good, heavy bottom, put a cement coat on the inside and a cement roof on top. We use a 4-foot form and raise it every other day. It will take four men two weeks to build a silo of this size. For reinforcement we used ¾-inch iron rods, 12 to 16 inches apart all the way up. Ours is the continuous door about 2 feet wide. I believe most silo builders make their door too narrow. We can build a concrete silo as cheap as a good stave silo and we know that it is there to stay. We did all our own work from digging the hole to putting on the finishing touches.

The Depth in the Ground.

Some builders disagree about the depth to go into the ground. Our first silo is 6 feet below the surface and the other two are 5 feet in the ground. This is not too deep as it is the height in a silo that counts. All our loss of silage was in the first 6 feet on top.

Of course the silo must be airtight but the coat of cement inside makes it so. As to silage keeping, the tramping and packing has everything to do with this. We have one silo that has no cement coat inside and yet we had no loss of silage to speak of but we were very careful about tramping it well while filling. I have heard the statement that silage would freeze badly around the edges in concrete silos but although this was our worst winter we had no trouble with freezing.

Last fall we filled two of our silos full and had 16 feet in the third. We



MR. F. WYATT
Inventor

Will You Grasp This Opportunity to Buy

The "Jayhawk" Up-to-Date Haying Tools

Direct from Factory at a Saving of 25%

First Portable Stacker Ever Made!

On the Market Nine Years!

Sold in All Hay States!

We have cut out the dealer and salesman and are giving this reduction to you. You cannot afford to let this chance go by you. Write today for catalog, which fully explains the machine and what it will do, and get our reduced prices. A postal will bring catalog.

The F. Wyatt Manufacturing Co., 600 N. Fifth St., Salina, Kan.



Saves Your Hay

Made of Wood or Galvanized Steel

Read What One Man Says:

Ord. Neb., Dec. 23, 1911.
The F. Wyatt Mfg. Co.,
Salina, Kansas.
Gentlemen: The "Jayhawk" Portable Stacker is noted for the EASE and QUICKNESS with which the hay is put into the stack. It builds stacks of extraordinary length and height. Your stacker gives entire satisfaction and I would not think of going back to the old style over-shot stackers.
Yours truly,
H. B. Thompson.

Saves Hard Work



TenEyck's Replies

TO FARM QUESTIONS

Conducted for Farmers Mail and Breeze by
A. M. TenEyck, Superintendent Fort Hays
Branch Experiment Station, of Kansas
Agricultural College, Hays, Kansas.

Hard-Oilers for Header Bearings.

We put hard-oilers upon our "Piano" header and it works fine. Would you advise me to put hard-oilers upon a McCormick header which has ball bearings? I lubricated this header last year with gas engine cylinder oil with good results, but hard-oilers keep the dust out better, and the cap is sure to force lubricant in.—M. K., Dorrance, Kan.

The hard-oilers should work better on the ball bearings than on the ordinary bearings.
A. M. TenEyck.

Planting Cowpeas With Corn.

I want to plant corn and cowpeas together and cut it up into fodder next fall. I thought I would plant an early variety of corn and Whippoorwill peas. What time should each be planted, and would the crops ripen together?—J. A. B., Fairview, Kan.

The Whippoorwill cowpeas is one of the best varieties to plant together in the same row with corn. The cowpeas should be planted with a variety of corn which matures in 115 to 120 days, such as Boone County White or Legal Tender. Plant the two crops together at the same date rather late in the spring, the last week in May or first week in June. Planted in this way the corn will be in the hard dough or glazed stage, just right to make the best ensilage or fodder, when the cowpeas are beginning to ripen the first pods, which is the proper time to cut for fodder or silage.
A. M. TenEyck.

Alfalfa Bacteria and Sweet Clover.

Are the bacteria which live upon the roots of the cowpeas the same bacteria that live on the roots of alfalfa? If so how many crops of cowpeas would it take to inoculate the soil for alfalfa?—O. C., Delphos, Kan.

The bacteria which thrive on the roots of cowpeas do not develop on the roots of alfalfa, so far as scientific investigation has determined. The growing of cowpeas, however, will put the soil in better condition to start alfalfa, because of the fertilizing effect of the cowpeas.

The bacteria which thrive on the roots of Bokhara, or Sweet clover, will also develop and thrive on the roots of alfalfa. It is possible to inoculate soil for alfalfa growing by spreading soil from a Sweet clover patch, also by growing Sweet clover. I should say that Sweet clover should perhaps be grown on a field for two or three years in order to accomplish such inoculation.
A. M. TenEyck.

Planting Cowpeas for Hay, Curing, Etc.

Please tell me through Farmers Mail and Breeze when cowpeas should be planted for hay and when cut for hay. Is there danger of heating if put in a barn? I like Mail and Breeze very much.—A. W., Burrton, Kan.

Plant the last of May or first of June and cut for hay when the first pods are beginning to turn yellow. The hay should be well cured, otherwise it will heat and spoil or burn in the stack or mow.

You may sow broadcast or in close drills. This method of planting requires 3 to 4 pecks of seed per acre. Or you may drill or list in rows 3 to 3½ feet apart which requires about one-third as much seed. The method of planting in rows is on the whole the preferable method in my judgment, because it requires less seed and allows for the cultivation of the crop which benefits the soil and will cause a greater production of forage or seed. The main objection to planting in rows is that the plants produce long vines which lie on the ground and are difficult to mow. By using a vine lifter attachment to the mower the crop may be harvested in better shape.
A. M. TenEyck.

Avoiding Gases in Pit Silos.

Will not carbon dioxide gas accumulate in practically every pit silo?—M. K., Dorrance, Kan.

Carbonic acid gas may accumulate in a deep pit silo when the silo is being filled and the fresh silage is beginning to ferment. It is advisable not to go into a pit silo in the morning or after the filling has stopped for several hours until the cutter has started and the silage has been blown or dropped into the silo for a few minutes. This starts the circulation of air and the foul gases

will be driven out. I think there is little danger of foul gases accumulating when the silage is being taken out, since the fermentation will have ceased before that time.

To guard against an accident, it would be well to put a ventilating shaft in one side of the pit silo. This shaft should be air tight except that there should be openings every 5 or 6 feet with tightly closing shutters. This air shaft should extend 15 to 20 feet above the silo, and should act as a chimney drawing the hot air and gases from the surface of the fermenting silage. The plan should be to keep all shutters closed except the one nearest the silage.

The top of the silo should be open or well supplied with windows or doors. For a silo 16 feet in diameter a ventilating shaft 6 to 8 inches square should be large enough. The shaft may be built in the silo wall or outside the wall.
A. M. TenEyck.

A Reader's Report on His Pit Silo.

I built a silo last year 14 feet in ground, 14 feet above ground and 16 feet diameter, and filled it with waste from the Hanover canning factory just as it was (not shredded), and put four barrels of salt on it and tramped it down as much as we could. On March 6 this year I opened the silo. The silage was nice and green but when exposed to the air for awhile it turns gray. Cattle and hogs eat it first rate.

My silo is 2 feet narrower at the bottom than at the top, this causes the silage to settle better by its own weight. This silo is twice plastered with a 2 foot concrete wall on top of ground to keep the water out. I hired all the work done. The silo cost \$200 and holds a good 200 tons when full.—J. V., Hanover, Kan.

I thank you for your interesting report on siloing. Silage turns light brown as you describe when exposed to the air, also after a few days the exposed surface will mold and rot if not fed fast enough. Your plan of having the silo narrower at the bottom doubtless does favor closer packing on the sides of the silo, also the sloping sides of the dirt silo are less apt to scale off than straight sides. This is an important factor to consider in building a pit silo.

I think you are a little high on capacity; a square silo of the dimensions given should hold about 130 tons of corn silage. Your silo would have 22 per cent greater capacity than a round silo of equal diameter. A round silo, 16 feet in diameter and 28 feet deep will hold 108 tons according to King. See King's Agricultural Physics, page 424.
A. M. TenEyck.

Restoring a Badly Farmed "Eighty."

I have bought an 80-acre upland farm, gumbo soil, which has been farmed for 30 years or more to corn and oats principally. Which would be the better, cowpeas or Sweet clover to fertilize it? Is there anything better? Would it pay me better to haul manure from town and spread over farm?—J. A. R., Elbing, Kan.

There is no better and cheaper fertilizer than stable manure when properly used, if you do not have to haul it too far. And you might even pay 50 to 75 cents per ton for good manure and haul it a half mile or a mile and still have a cheap fertilizer.

You may also improve the fertility of this soil by plowing deeply in the fall in preparing a seedbed for corn and by plowing under crops for green manure, such as cowpeas, Sweet clover, Sand vetch, sown in the fall, and winter rye. Perhaps cowpeas is the preferable crop for your purpose in your part of the state.

You may also improve the fertility of the soil by using the annual legume crops mentioned and alfalfa, clover and grasses in rotation with corn and wheat and oats. You ought to lay your farm out into fields of uniform size and practice a regular system of crop rotation including the perennial grasses and legumes.

I am mailing pamphlet on farm and soil management, which gives model crop rotation plans. I am also mailing Bulletin No. 160 on cowpeas, Bulletin No. 175 on grasses, and circular letters on Sweet clover and restoring soil fertility.
A. M. TenEyck.

MAIL AND BREEZE THREE MONTHS FREE.

Write us the names and addresses of 25 farmers in your county whom you think will be interested in a sample copy of the Mail and Breeze, and for your trouble we will send the Mail and Breeze three months free. This offer is good for new subscribers only. Address Mail and Breeze, Topeka, Kansas.

A man who always kicks when things don't suit him, always kicks.

Getting Two Profits



Shrewd dairymen seize every chance for making two profits instead of one. That is why they make the most money. They buy heavy milking cows because such cows make an extra profit which other cows cannot make. These prosperous men use

SHARPLES Tubular Cream Separators

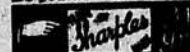
exclusively, because Tubulars have twice the skimming force of other separators, skim twice as clean, and make an extra profit no other separator can make. These men should be your guide in buying a separator because they are successful and are making profits which less shrewd men are losing.

Mr. John A. Ness, of Maple Grove Farm, Auburn, Maine, is a veterinary surgeon, breeder and importer of fine stock, and owner of the high-producing Ayrshires shown above. He is but one of many who shrewdly pocket Tubular "velvet"—the extra profit only Tubulars can make. He says:

"I have used a Sharple's Tubular Separator for seven years. Have recently purchased a larger one—a turbine-driven Tubular. The Tubular has given entire satisfaction."

The remarkable dairy Tubular contains no disks to wear or wash, or injure the cream. Guaranteed forever by America's oldest and world's biggest separator concern.

Do you want a free trial? Do you want to exchange your present machine in part payment for a Tubular? If so write at once for Catalog 156



THE SHARPLES SEPARATOR CO.
WEST CHESTER, PA. Branches: Chicago, Ill.
San Francisco, Cal.; Portland, Ore.; Dallas, Tex.
Toronto, Can.; Winnipeg, Can. Agencies Everywhere



To Keep Milk Pails Clean and Sanitary

Sprinkle Old Dutch Cleanser on a rag or brush, rub pail thoroughly, rinse well and the pail is spick and span—"sweet" and hygienically clean.

Contains no caustic, alkali or acid to harm the hands.

Old Dutch Cleanser

Many uses and full directions on large Sifter-Can 10c

Wanted-Local Club Agents

Farmers Mail and Breeze desires a local representative in every farm community who will devote a portion of his time to looking after renewals and new subscriptions. The work is pleasant and you will receive either Cash Commission or Valuable Premiums. Write to

FARMERS MAIL AND BREEZE

CLUB RAISERS' DEPARTMENT

TOPEKA, KAN.

98 cents



Post Paid

Guaranteed 5 Years

To advertise our business, make new friends and increase our sales, we will send this elegant watch to any address by mail, post paid for ONLY 98 CENTS. Regular price \$5.00. One year guarantee, from date of sale. Silver plated, diamond set, Arabic dial, lever movement, stem wind and stem set, a perfect timekeeper and fully guaranteed for 5 years. Send this ad. to us with your name and address to us, and watch will be sent by return mail postpaid. Each watch guaranteed or money refunded. Send 98c today. Address

R. E. CHALMERS & CO., 938 So. Dearborn St., CHICAGO



Dairy Farming

CONDUCTED FOR FARMERS MAIL AND BREEZE BY A. G. KITTELL.

This department aims to be a free-for-all experience exchange for our folks who keep milk cows. We are glad to hear from you often. A Mail and Breeze subscription and other prizes awarded each week for helpful or interesting letters or bits of dairy news.

Now that cows are on grass they will need salt oftener.

Churning when cream is too warm has the effect of whitening butter.

Frequent stirring while cream is ripening will make better butter.

Nature intends that the calf should have the first milk from the mother.

Almost 10 quarts of 4 per cent milk is required to make 1 pound of butter.

One good sire can do wonders in improving the dairy herds of a neighborhood.

For the young calf just learning to eat there is nothing better than ground oats.

Unless it runs smoothly and does not vibrate, a separator will not do its best work. A solid foundation means long life for the machine.

Tests at experiment stations have shown that 20 per cent of the cream is saved by the use of a separator as compared with hand skimming.

Dairy farmers wonder how they ever got along without cream separators. Five years from now they will wonder how they ever got along without silos.

Fill a bottle partly full of water and put in as much alum as the water will dissolve. About twice a day touch the warts on the cows' teats with this and they will soon disappear.

fooling the Calf.

Mr. Editor—To teach a young calf to drink take the wooden handle of an old wringer or bucket and let the calf suck on it while you put it down in the milk. This teaches a calf to drink very quickly and saves a lot of grief.
Tribune, Kan. E. M. W.

Why the Fall Fresh Cow?

Mr. Editor—To my mind the best time to have cows come fresh is in the fall, along about September or October, for several reasons. Cream is generally higher in winter than at any other time and after giving milk all winter a cow turned onto grass in spring will give almost as much milk as though fresh. Calves will get a better start in the fall than in spring and will do better all around when dropped at that time of year. We have tried all seasons for having cows freshen and the fall of the year has always paid us best.
Canton, Kan. L. A. Bishop.

Preserving Silo Walls.

Painting the inside of a stave silo once every two years with hot coal tar will go a long way toward lengthening the life of the staves. Coal tar creosote is a good substitute if the tar is not obtainable but creosote is rather difficult to heat on account of being so inflammable. It should not be heated over an open fire. The best preservative for the inside of a cement or concrete silo is a wash of cement of about the thickness of cream. A stiff whitewash brush may be used to apply it and if the ends of the staves are cut off to make it more stubby it will be all the more effective.

To Make Alfalfa Silage Keep.

The man who can find out a way of silaging the first cutting of alfalfa successfully is going to do a great service for feeders and dairy farmers in general. The main trouble seems to be that there is not enough sugar in the alfalfa to turn into the acids which pickle the silage, and thus the silage spoils. To furnish this sugar artificially, O. E. Reed, head of the dairy department of Kansas Agricultural college, will make

some experiments with "blackstrap" molasses. This molasses is the same as that used in stock feeding and during the process of filling the silo it will be spread over the surface at intervals and allowed to settle through the silage. If this plan can be carried out successfully it will mean that farmers with silos will no longer need to worry about losing the first cuttings of alfalfa during a wet spring.

Heading Off Short Pastures.

Mr. Editor—An excellent plan in providing against shortage in pastures is to grow each year such crops as rye, cowpeas, millet, rape or sorghum, to be used during the dry season. An excellent annual pasture can be made by seeding together in spring 1½ bushels of oats, 30 pounds of sorghum, and 10 pounds of Mammoth or common Red clover. The oats are ready for pasture in late spring and early summer, the sorghum comes on at its best in hot mid-summer, while the clover gives some fall pasture.
David A. Brodie.
Department of Agriculture, Washington, D. C.

Foundation Stock Counts Big.

Mr. Editor—The one most important thing in getting a dairy herd started is to get a few cows that show a high test. The next is to get a male whose dam is of high test. One cannot be too particular in selecting a male. Two years ago I bought a male that came from a high testing cow and three fourths of his get have been heifer calves. This has won him a reputation and I have already taken in \$84 in service fees at \$1 per head. He is a fine Jersey of the best dairy type. A man should not be afraid to pay out a few dollars extra to get a good foundation for a herd since his future success will largely depend on that one thing.
G. R. Grant.
Marshfield, Mo.

The Calf's Early Handling.

[Prize Letter.]

Mr. Editor—When a cow comes fresh I usually milk her out and leave just enough so the calf can get his fill by sucking her dry. Then I take the calf away to a warm, dry place and feed it nothing for 24 hours when I let it have 2 quarts of milk fresh from the mother. I give it the finger until it has had a few swallows, then slip it out and hold the head in just the right position for the calf to drink. I have never yet seen a calf that could not be taught to drink in this way in 5 or 10 minutes.

In two weeks I feed a quart of whole milk to 3 pints of skim milk with a tablespoonful of corn meal added at a feed. They also get a little hay at that time and when a month old I add another spoonful, also another quart of skim milk. From 2 to 4 months old a gallon of skim milk with a handful of chop and some hay makes a good feed. When 4 months old they have good hay or pasture and each calf gets a handful of corn or Kafir chop at night and morning.

Sunshine is very necessary to a calf's proper development as I have found out. I have noticed calves get the scours more frequently when we have a long period of cloudy weather. For scours I give a teaspoonful of dried blood in each feed until cured. Calves should never be allowed to suck each other's ears as this is one thing that makes them runty.
J. C. T.
Wakeeney, Kan.

Four Big Papers For \$1.25

The Mail and Breeze is enabled to make the biggest clubbing offer it has ever had, and for only \$1.25 will send all four of the following papers for one year each:

The Mail and Breeze, of which nothing need be told our own subscribers or those reading this copy of the paper. It speaks for itself.

The Household, a large family magazine, containing the choicest stories and departments of particular interest to lady readers.

The Twice-a-Week Republic of St. Louis, the oldest and best semi-weekly newspaper in the entire Southwest.

Farm Progress, a big semi-monthly farm and agricultural paper which should be read by every farmer. No liquor advertising is printed in any of these papers. Remember, all four of these big papers will be sent to one address or to four different addresses if so desired for only \$1.25. If you are a subscriber to any one of these papers your time will be advanced another year. The regular price of these papers, if taken separately would be \$2.25. Why not save \$1.00 and buy this combination? You will be supplied with the best class of reading matter for a full year. Don't fail to mention the names of these papers in sending in your order. Send your order to the Mail and Breeze, Topeka, Kan.

TRADE

in your old separator
on account of a new

DE LAVAL

CREAM SEPARATOR

**38,796 Users did so Last Year
26,569 in the U. S. Alone**

It has come to be an accepted fact that DE LAVAL cream separators are as much superior to other separators as other separators are to gravity setting systems, and that an up-to-date DE LAVAL machine will on an average save its cost every year over any other separator.

In addition the actual saving in more and better cream and butter, in time of separation and cleaning, easier running, greater durability and less repairs, there's a sense of pride and satisfaction which none but the owner and user of a DE LAVAL machine can feel in his separator.

In consequence thousands of users of inferior and worn-out separators of various makes take advantage every year of the educational allowances which the DE LAVAL Company continues to make and trade in their old separators.

APPLIES TO OLD DE LAVAL USERS ALSO

This not only applies to the users of other makes of separators, but likewise to the many thousands of DE LAVAL machines now 10 to 25 years old. They are still good, of course, but there are so many improvements embodied in the modern DE LAVAL machines that these old DE LAVAL users can well afford to make an exchange and would soon save the cost of doing so.

SEE THE NEAREST DE LAVAL AGENT

He will tell you how much he can allow on your old machine, whether a DE LAVAL or some other make, toward the purchase of a new DE LAVAL. If you don't know a DE LAVAL agent, write to the nearest DE LAVAL office giving make, number and size of your present machine, and full information will be sent you.

THE DE LAVAL SEPARATOR CO.
NEW YORK CHICAGO SAN FRANCISCO SEATTLE

"Firestone"

Tires

HARD SERVICE on country roads demands the use of Firestone Tires because of the extra durability we build into them.

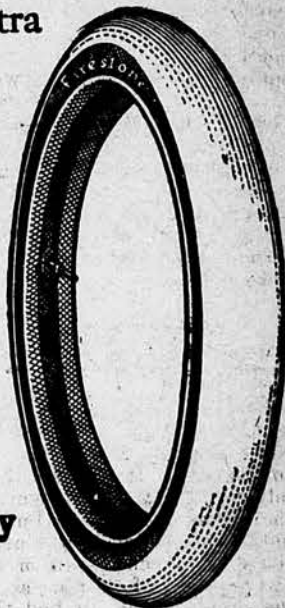
The extra expense and care we go to in making Firestone Tires explains why they have won and now hold the World's Records for Durability and Speed—and why they give you the most miles of service for each dollar of cost.

Our ten-year record of leadership is *proof*. Investigate before you buy a new car or a new tire. Also get posted on the economy, convenience and safety of Firestone Demountable Rims.

Write for Free Books or ask any Reliable Dealer.

The Firestone Tire & Rubber Company

"America's Largest Exclusive Tire and Rim Makers"
Akron, Ohio, and all Principal Cities





**VETERINARY
ADVICE**
Conducted for Farmers Mail and Breeze
BY DR. F. S. SCHOENLEBER,
Professor of Veterinary Science
Kansas Agricultural College.

Our readers are invited to consult Dr. Schoenleber in an advisory way in case of trouble with livestock. Be sure to state the history of the case, location of the disease and the conditions under which animal has been kept. If a horse state weight. Also write across the top of your letter to be answered in Farmers Mail and Breeze and always sign name in full. Unsigned inquiries will not be answered. Answers will be published in turn.

Lump Jaw Treatment.

I have a Jersey cow that developed a lump on her throat last summer. It grew larger and three months ago I called a veterinarian and he cut into it. It was hard and like gristle. He gave me some medicine to apply to it and in a week it started running. It

has now decreased in size but still runs. Another lump of the same size has now appeared on the other side and several smaller ones are forming about her head. What is this trouble?—J. F. B., Madison, Kan.

Without question the trouble is lump jaw. The abscesses should be opened deep enough to let out all of the pus and then they should be swabbed out with pure tincture of iodine once or twice per week until they heal. Your cow has by this time become thoroughly infected and it is a question whether or not she will get over it entirely. In this case would get 1 ounce of potassium iodide dissolved in 8 ounces of water and give her 1 ounce of this once a day.

Kidney Troubles.

I have a horse with some kind of kidney trouble and he has been in this condition for 18 months. The horse is 5 years old. What can I do for it?—P. J. W., Inman, Kan.

Since you don't give any symptoms whatever it is hard to prescribe for your animal. It is possible that the trouble may be located some place else. If you are positive that you have located it the next thing is to find out what kind of trouble it is. It might be 1 ounce of tincture of buchu once a day would help him, but I would be sure that I had positively located the trouble and that it was not too severe before treating it myself.

Yeast Treatment For Mares.

I have a 1,200-pound mare 15 years old that is in good condition but have not been able to get her with foal the last two seasons. Usually the first service would get

I can show you five farmers in Kansas who are not making interest on the money invested to one that is making 10 per cent on his investment at wheat farming.
—W. M. Jardine.

her with foal but bred her three times last season without results. What kind of treatment do you recommend in these cases?—C. L. G., Grain Valley, Mo.

Would try the yeast treatment on this mare in the following way. Get an ordinary small yeast cake, put it in about 1/2 cup of soft water over night. Then pour this into a pint of warm water and let it stand for about 10 hours. Would then strain it through a cloth and add enough lukewarm water to make 1 or 1 1/2 quarts and inject this into the mare. Would repeat this operation about a week after the first treatment and see what effect that will have.

Sheep Ailments.

I have two ewes that became weak and staggered around as though they had blind staggers. They would lie down and then be unable to get up. When helped up they seemed to have lost the use of their legs. Some of the others are affected now too. They get down, struggle to get up, and at last they blot up. I am feeding the best of corn fodder and hay and a small ration of grain.—W. J. Prescott, Osawatimie, Kan.

The trouble looks very much like indigestion, which may have been caused from exposure to cold, but it is barely possible that there are parasites present. Should any of these die, would suggest that you open them and examine them to see if you can find what the trouble might be. Would change the feed a little, if you can, and would also mix a little powdered charcoal in the feed once a day. Should you find anything upon post mortem, would be glad to advise you further.

Nostril Discharge.

I have a young mare that runs at one nostril, the discharge resembling the white of an egg and it has a very bad odor. This same disease has been in the neighborhood for over a year and I have been told it will not hurt the horses that have it. What is your advice?—J. R. H., Milton, Kan.

Very frequently an ulcerated root of a tooth will cause this trouble, a growth in the nostril or injury to the bone, nasal gleet, which is a severe inflammation of the structures in the nasal

chambers or chronic catarrh. Any one of these may show symptoms of this kind. If the discharge is sticky, or if there are any enlarged glands between the lower jaws, would by all means keep the animal from the rest and consult a qualified veterinarian. From the fact that there is a bad odor present, it would indicate that the trouble is not contagious, but the sooner these are taken care of and treated, the easier it will be to cure them.

Tainted Milk.

I have a 4-year-old cow that has dropped her second calf which is now 11 days old. Her milk smells and tastes so badly we cannot use it and her breath has exactly the same odor. Her breath had this odor long before she had the calf. She is in fairly good condition and gives 2 gallons of milk at each milking.—G. L., Ness City, Kan.

Would give this cow 1 pound of Epsom salts dissolved in water to which I would add 1 ounce of fluid extract of ginger and give her about one half of this amount every other day unless her bowels should move too freely. Would give her in addition to this in her feed daily, a teaspoonful of powdered hyposulphite of soda and 1 of powdered nitrate of potash. These two may be mixed and given together. Would by all means wash her udder thoroughly with some good antiseptic solution before each milking.

"Grub in the Head" in Sheep.

(1) What is good for "grub in the head" in sheep and where can I get a good book on sheep?

(2) I also have a yearling colt that is thin in flesh. Its mouth swells up through the day then goes down again at night.—W. W. M., Florence, Okla.

(1) There is no way of treating these cases without an operation and that is hardly practicable. The only thing that can be done which is at all practicable in this case is to keep the fly from depositing this egg in the nostril of the sheep during the summer. A great many sheep raisers fix the feed or salt trough with a board just above it which is covered with pine tar and arranged in a way that the face of the sheep will come in contact with this tar. This will keep away the fly and prevent considerable trouble. The national bureau of animal industry issued a book upon the diseases of sheep some years ago which is very good to have. No doubt you can get a copy of this from your congressman.

(2) From the amount of information you give regarding this colt, I cannot suggest any treatment as I cannot figure out what is the exact cause of the trouble unless it is a thinning of the blood.

Storing Hog Cholera Serum

The state's hog cholera serum plant at Manhattan now has 1 million cubic centimeters of cholera serum in storage and is able to supply all demands for the serum in this state. The serum can be kept for several years. Other states are calling on Kansas to help them out in their fight against hog cholera and the plant has sent shipments of serum both to California and West Virginia. The serum plant is now better able to handle a cholera outbreak than at any time since it was established.

Something New in Timepieces.

The alarm clock of today is about thirty-five years old. It is essentially American, being first invented and patented by an American. It has been but little changed and improved during its life. Perhaps it is slightly lower in price and cheaper in construction but otherwise the same old noisy day starter. Battered by years of competitive strife, flimsy, noisy, unsightly, it has become a short-lived bargain, the constant butt of the cartoonist's joke. But out of Illinois has come a candidate for national favor along this line that is sweeping the country. This master alarm timepiece—the newest development in time recording instruments—is known as Big Ben. It is made by the Western Clock Company, of La Salle, Ill. It is a clock of most pleasing appearance, a thin, beautiful, punctual sleeper with a quiet running motor, selective alarm calls, a mellow pleasing voice and a frank open attractive face. Big Ben is mounted in a massive dustproof, triple-plated case with large easy winding keys and reinforced suspension points. Farmers whose time means money to them cannot afford to rely on a cheap, inaccurate, uncertain alarm clock. Such well known jewelers as Leblond of New York, Spaulding of Chicago and Baldwin of San Francisco have already endorsed the Big Ben as well as hundreds of other jewelers and watch makers. The Western Clock Company state that Big Ben is sold by jewelers only at the uniform price of \$2.50. They publish some very interesting literature about Big Ben that would be well worth while sending for. The address of the Western Clock Company is La Salle, Ill. Mention this paper when you write for the literature. See the Big Ben ad on page 9. When you write for the literature say you saw it offered in this paper.

Make Rope at Home

You can make rope of all kinds, for all purposes, large of small, short or long, hard or flexible, with the

New Era Ball-Bearing Rope Machine

Use ordinary binder twine. Rope one-third stronger and costs half as much. Machine costs only \$4. Will make strong wire cables. We want live agents in Kansas. An exceptional proposition.

Crane & McCullough, Topeka, Kan.
321 Kansas Avenue

Shoo Fly

Keeps flies and other insect pests off of animals—in barn or pasture—longer than any imitation. Used and endorsed since 1885 by leading dairy-men and farmers.
\$1 worth saves \$20.00
in milk and flesh on each cow in a single season. Heals sores, stops itching and prevents infection. Nothing better for galls. Kills lice and mites in poultry houses.
SEND \$1, if your dealer can't supply you, for enough Shoo-Fly to protect 200 cows, and our 3-tube gravity sprayer without extra charge. Money back if not satisfactory. Write for booklet, FREE. Special terms to agents.
Shoo-Fly Mfg. Co., Dept. N, 1310 N. 10th St., Phila.
Editor knows from experience that Shoo-Fly is O. K.

Only a Wind Puff

But it may lose you the race. Horse won't bring as much at the Sale. It looks bad and indicates weakness.

ABSORBINE

Will remove it and strengthen the joint without blistering or removing the hair, and horse can be worked. Cures strains, sprains, heels, cuts, bruises; removes bursal enlargements, bog spavins, thoroughpins, curbs, capped hocks. Stops lameness and allays pain. \$2.00 a bottle of dealers or delivered. Free 1 if from W.F. YOUNG, P.O. Box 209 Temple St., Springfield, Mass.

FREE BARGAIN BULLETIN

Before you build get our prices. Smashing reductions in 3,000,000 feet—new and used. Every grade and dimension. Write today and we will send you free regular monthly list showing everything—doors, windows, roofing, paint, hardware, etc. 500 items. HOUSEWARES. THE SALVAGE & LUM. CO., 1729 Trestle KANSAS CITY, MO.

KENDALL'S SPAVIN CURE

The old, reliable remedy you can depend on for Spavin, Curb, Sore, Ringbone or lameness. Thousands have proved it invaluable. Get a bottle from your druggist. Price per bottle \$1.00 for \$5.00. Treatise on the Horse. Free at drug get or from Dr. B. J. KENDALL CO., Kenosha Falls, Wis., U. S. A.

DAISY FLY KILLER

placed anywhere, attracts and kills all flies. Neat, clean, ornamental, convenient, cheap. Lasts all season. Made of metal can't spill or tip over. Will not soil or injure anything. Guaranteed effective. Sold by dealers, or sent prepaid for \$1.00. HAZARD SOMERS, 150 Dekalb Ave., Brooklyn, N. Y.

Our Farmers' Cattle Knife

Free Knife

This Farmers' Cattle Knife is a beauty. It has one large scimitar, one spaying and one congress blade; Extra quality steel, double German Silver bolster and shield, brass lined, snag handle. This beautiful useful knife will be sent you FREE, postpaid, for securing only four 3-months subscriptions to the Mail and Breeze at the regular rate of 25 cents or we will send you our paper one year for \$1.10 and the knife free as premium. We guarantee the knife and will return your money if you are not satisfied. We know you will like it as we have given away hundreds and have never had a complaint. This illustration is one-half actual size. Write today.

MAIL AND BREEZE
Topeka, Kansas

New Ideal Hoist Built For Farm Use

It is simple in construction, easy to operate. Has friction clutch drive, friction hand brake, pull back drum for returning empty hay carriers, sprocket chain or belt drive, with or without truck. Can be operated from a distance. It's the best made, strongest, simplest hoist made. Sells at a price within the reach of all.

A Profitable Investment If Used Only During Hay Harvest

Pays for itself during hay time. Saves extra man and team. Operates hay fork or sling or hay stacker of any style or make. Making hard work of haying easy. Lightens the work on many other jobs around the farm.

Sold on 30 Days' Trial
The Ideal is the best hoist made. We prove it with our Thirty Days' Trial proposition. Write for full particulars and free catalog. Address



Universal Hoist and Manufacturing Co.,
105 State St.,
Cedar Falls, Iowa

Trusses Like These Are A Crime



Our FREE BOOK tells you why Leg-strap "appliances" and Spring trusses like shown above CAN NOT help you and how the famous Cluthe Self-Massaging Pad CURES Rupture. Sent on 60 Days' Trial to prove its wonderful holding and curing powers. Remember, we will allow you 60 days to test its durability, waterproof qualities, and your absolute relief from leg-strap and spring or no charge. 5,000 Public Endorsements of this simple Home Cure sent with the FREE Book which explains all. Just use the coupon or say "Send the Book."

Box 54 — CLUTHE COMPANY
125 East 23rd Street, NEW YORK CITY

Name.....
Address.....
Return Mail brings World's Greatest Rupture Book

"Magic Picture and Post Card Reflector" FREE

This wonderful machine will reflect any post card, picture, newspaper clipping, photo or object such as watch works, postage stamps, etc., in natural colors, magnified many times! The greatest little entertainer ever offered. No expensive slides or films to buy. Hundreds of pictures free by simply cutting them out of newspapers, etc. Send your name and address and we will send you, prepaid, 16 Enamelled Art Pictures. Distribute the 16 pictures among 8 friends—a whole year's reading and 2 pictures for only 25c. When pictures are all distributed send us our \$2 and we send the "Magic Picture and Post Card Reflector" and 25 Handsome view post cards ALL FREE AND PREPAID. Only 2,000 Reflectors to be given away on this plan. Send your name and address at once. MAGIC REFLECTOR CO., 106 Copper Bldg., TOPEKA, KANSAS

Not a Slave Trembles!

Let the worst storm sweep the country—the solid, staunch Saginaw Silo stands erect—unmoved, unharmed. Why? The Saginaw Base Anchor and the Saginaw Inner Anchoring Hoop combine to hold it so firmly that dynamite could hardly move it. Know about these features—the greatest Silo improvements for 1912—before you consider buying any Silo. Four big, modern factories are kept busy turning out the matchless Saginaw—the scientific Silo with perfect keeping qualities. Write for New Free Book. "The Building of a Silo" contains many views from photographs of our plants; also latest facts and figures on profits from feeding silage.

FARMERS HANDY WAGON COMPANY, Dept. M

Saginaw, Mich. Minneapolis, Minn. Des Moines, Iowa Cairo, Ill.

CROPS and FARM WORK

First Alfalfa Hay Harvest Turning Out Well and Putting the Crimp in High Feed Which Farmers Had to Buy. Not Sell—Corn is Getting a Fair Start and All Small Grains are on the Boom.

(Crop Reporting Service of Farmers Mail and Breeze.)

The local market quotations given each week at the end of their reports by our crop correspondents show quite a little variation in prices, comparing one county or locality with another. I should like to know of how much value this feature of our crop reporting service is to Mail and Breeze readers. Do you always read this part of our crop reports? Are you interested in noting the difference in values between one or more localities and some other? In other words, shall we print these quotations every week, once a month, or drop them entirely?

F. F. Free, writing from Tyrone, Okla., says, "I like to see these local quotations every week."

What do you say? I will appreciate it if you will give me your opinion, either "for" or "against," on a postal card.

Editor's Note.

One of the heaviest first crops of alfalfa harvested in several years is now being put into stacks and mows. It has also been several years since alfalfa was so welcome as it is this spring. Good grazing and meadows are having their effect on high feed prices, both grain and forage, for with good grass there is not much need of other feeds, especially hay at \$20 and corn at 80 cents which farmers did not have to sell.

Corn is coming up and as a whole is showing a fair stand. With a few weeks of warm, growing weather the crop should be able to catch up with the season. In Oklahoma the crop is well along and in some cases has received the second working. In that state also, cotton is getting a good start but in sections where the heaviest rains fell two weeks ago a good deal of replanting of both corn and cotton has been found necessary.

Wheat and all small spring grains are making good use of an abundant supply of moisture in the soil and warm sunshine overhead. Every day of favorable conditions is increasing the chances of a bumper wheat crop and lessening the dangers of serious losses. There is an unusual scarcity of insect pests in grain crops this spring. Some chinch bugs have been reported but only from Chautauqua county, Kansas, have come reports of large numbers of bugs in wheat fields.

Feed crops are receiving special attention this spring due to resolves made last winter. Cane, Kafir and milo will be more extensively planted than ever before. C. E. Moore of Greenwood county, Kansas, reports a larger acreage put in Kafir than any other one crop.

KANSAS.

Washington County—Farmers still planting corn. First plantings are up. Heavy rains delayed farm work. Considerable

Preserving?

Then use only good spices. Otherwise you waste fruit and sugar.

TONE SPICES

give you best preserving results, just as they give you best baking results. Absolutely pure always. Fresh milled from the finest stock and the strength kept by the box until it reaches your kitchen.

10c at Your Grocer's—any kind.

Or send us 10c for full-size package. Ask for "Tone's Spicy Talks," free.

TONE BROS., Des Moines, Ia.

Blenders of the famous Old Golden Coffee

BE A TELEGRAPH OPERATOR

Learn in your own home. Earn \$75 to \$250 per month. Positions all over the world. We aid you in securing a position. Women Telegraphers in demand. Write for FREE Catalog and Telegraph Code. MUTUAL TELEGRAPH SCHOOL, 804 Dwight Bldg., Kansas City, Mo.

Hay Stacker Buyers

If you want the strongest, most practical machine on the market, write us today. We can save you money. SUNFLOWER MFG. Co., Box M, Manhattan, Kans.

wheat plowed up. Plenty of grass. Hog cholera appearing again where it raged last fall.—Mrs. Beardsley.

Barton County—Wheat is very spotted, some fields are good, others poor and some being planted to corn. Oats look good. Weather favorable for growing crops. Some poor stands of corn on account of heavy rains.—J. A. Johnson.

Johnson County—Rain put a stop to corn planting last week, but a large part of it had been planted. Small grains, grass, meadows and gardens are flourishing. The outlook for all fruit except peaches is very promising. Quite a number of spring colts.—L. E. Douglas.

Rawlins County—Much windy weather the last few weeks and a good deal of wheat has been blown out in the south part of the county. Wheat in the north part of county looks well. Rain needed in some places. Grass is growing fine. Corn planting in progress.—J. S. Skolout.

Chautauqua County—Farmers are plowing corn. Large acreages of Kafir and cane will be put out on account of shortened planting time. Chinch bugs are thick in wheat. Oats look well. Gardens are good, but cut worms are bothering.—Mrs. Elmore Lounsbury.

Greenwood County—Farming is behind the season on account of so much wet weather. More Kafir planted than any other grain. Pastures growing fine and stock looks good. Some pastures rented for as high as \$6 per head this year. Alfalfa about ready to cut and will make good yield. Eggs 14 cents, butter 20.—C. E. Moore.

Cherokee County—Not much over half the corn planted by the middle of May. Too much rain. Small acreage of oats out, but the crop looks good. Wheat is poor and does not show over a third of a crop. Good deal of wheat ground put in other crops. Pasture good but scarce. Hay \$17, corn 80 cents, butter 25, eggs 17.—J. W. Harden.

Riley County—Corn about all planted and all plantings are coming up good. Wheat, oats and barley look well. Pastures fine and stock is in good shape. Alfalfa ready to cut. Good outlook for all kinds of fruit. There is a general move among farmers to clean up and make the home more attractive and convenient.—R. A. Willis.

Graham County—About 65 per cent of wheat sown looks fine and promises good yields. Fall insurance agents are thicker than crop pests. First plantings of corn are up but making slow growth. Oats generally look fine. Alfalfa and pastures making a good growth. Stock doing well. All prospects are much better than last winter.—C. L. Kobler.

Hodgeman County—This county has been blest with more rain than has been known here for a long time. On May 10 6 inches was reported in the middle of the county. Wheat and spring crops look fine. Corn was planted between rains and on the run. Every indication points to bumper crops this year. Eggs 15 cents, butter 25.—E. N. Myler.

OKLAHOMA.

Texas County—Plenty of moisture in the ground for all crops. Wheat, oats and barley are doing fine. Large acreage of broom-corn will be put out. Not much cotton planted. Grass has made an excellent growth and most stock is picking up rapidly. Grasshoppers making their appearance.—F. Free.

Washita County—The last month has been a rainy one and considerable corn and cotton must be replanted. That which escaped washing out is looking fine. Pastures are the best in four years. Wheat and oats are good. Peaches promise a fair crop.—W. O. Appleby.

Tillman County—Wheat is fine but oats are short and need rain. Corn does not show a good stand and some cotton is being replanted. Most of alfalfa cut and is selling at \$12. Gardens look good. Big crop of politicians, also young chickens. Eggs 15 cents, butter 15.—D. B. Munro.

Noble County—Ground is very wet here and have had plenty of moisture so far. Wheat is looking good but the stand as a whole is poor. A good many fields of corn are being replanted. Pastures are fine. Oat acreage small but the crop is looking good.—A. E. Anderson.

Pushmataha County—Still having rain and some fields are too wet for planting. Corn doing well and some being plowed the second time. Most cotton fields show good stands. All tame fruit trees heavily loaded and wild fruit will be plentiful. Large acreage of sweet potatoes being put out. Peanuts are up.—K. D. Olin.

Canadian County—Alfalfa harvesting and plowing corn is the order of the day. Wheat and oats are doing fine. Plenty of moisture in the ground, but weather has been windy and there has been plenty of dust. Large acreage of corn out, but it shows a poor stand. Corn 93 cents, oats 70, eggs 15, butter 25.—H. J. Earl.

Kiowa County—Untold damage was done by a tornado and hail in the Wichita valley last week. Alfalfa being cut here. Oats are beginning to head. Cotton is up and corn shows a fine stand. A variety of insects are showing up. Garden truck looks good and potatoes doing fine. Large acreage of cane and Kafir will be put out.—Mrs. Alice Henderson.

GET A GOVERNMENT JOB.

All interested should write to Franklin Institute, Dept. B178, Rochester, N. Y., for free list of government positions open.



E. Myers, President, E. Myers Lye Company.

I Ask Every Hog Raiser To Read These Letters About Curing Sick Hogs

You know I might talk about MERRY WAR POWDERED LYE until I was blue in the face and still not be able to convince you that MERRY WAR POWDERED LYE really is the greatest hog remedy, conditioner and fattener the world has ever known. But I want you to be convinced that I know whereof I speak because I have spent more than 20 years making test after test, saving hundreds of thousands of dollars of hog profits that otherwise would have been lost. I want YOU to feel some day that I have done the greatest favor that any one man can do for another. You will be convinced if you will but do as I request. First, read these letters—hundreds of such letters are received every week. Learn what MERRY WAR POWDERED LYE is doing for other hog raisers. These people have tried MERRY WAR POWDERED LYE—they use it every day—they know what it will do and I'm going to let them do the talking.

Read This Convincing Evidence

A. W. Davis, Hamlin, Iowa, writes: "Merry War Powdered Lye is the stuff to cure cough and thumps and put hogs in a thrifty condition and I will never be without it while I raise hogs."

Elvis Potter, Junction, Ill.: "Have been using a great deal of Merry War Powdered Lye. Find it the best medicine for hogs I have ever used."

Adam Schulz, McLouth, Kas.: "I consider Merry War Powdered Lye the best hog remedy I have ever used, and the cheapest. It has made a marked improvement in my herd."

Profit by the experience of these progressive Hog Raisers. Get a few cans of MERRY WAR POWDERED LYE of any dealer. Feed night and morning every day. Your hogs will improve from the very first feed. It makes them immune to disease—fattens them surer and quicker than anything else—tones the system—assists in perfect assimilation of food and prevents scouring. It saves feed, because every pound of the food they eat goes into flesh; none of it is wasted. MERRY WAR POWDERED LYE is not only the best hog remedy, conditioner and fattener the world has known—it is also cheapest.

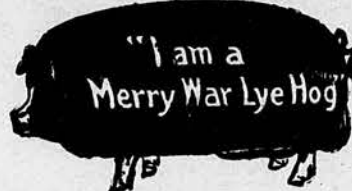
Kettle Powdered Lye For Soap Making If you want the best lye, exclusively for soap making, scouring, cleaning, disinfecting, etc., use my famous Kettle Powdered Lye—it makes the best soap you ever used—but don't feed it to your hogs. Feed only Merry War Powdered Lye to your hogs.

At All Leading Dealers If yours cannot supply you, write us, giving your dealers' names and we will see that you are supplied, and will also send you, free, a valuable booklet on "How To Get The Biggest Profits From Hog Raising."

E. MYERS LYE COMPANY,

Dept. 10

ST. LOUIS, MO.



When a New Perfection Comes in at the Door Heat and Dirt Fly Out at the Window.

What would it mean to you to have heat and dirt banished from your kitchen this summer—to be free from the blazing range, free from ashes and soot?

New Perfection Oil Cook-stove

With the New Perfection Oven, the New Perfection Stove is the most complete cooking device on the market. It is just as quick and handy, too, for washing and ironing.

STANDARD OIL COMPANY
(An Indiana Corporation)

This Stove saves Time It saves Labor It saves Fuel It saves—YOU

Made with 1, 2 and 3 burners, with long, enameled, turquoise-blue chimneys. Handsomely finished throughout. The 2- and 3-burner stoves can be had with or without a cabinet top, which is fitted with drop shelves, towel racks, etc. All dealers carry the New Perfection Stove. Free Cook-Book with every stove. Cook-Book also given to anyone sending 5 cents to cover mailing cost.

ASK FOR HAY PRESS
Catalogue of The Auto-Fedan Self-Feed, Auto-Fedan Belt Power Press, Two Stroke Horse Press and One Horse Press. The Auto-Fedan Hay Press Co., 1514 W. 12th St., K. C., Mo.

RHEUMATISM! Don't Suffer
Wear a Kimball Rheumatic Ring. It destroys ACIDITY in the blood, cleanses the system and cures. Testimonials FREE. H. C. ALLEN, Pres. J. H. Allen & Co. Whol. Grocers 9 Allen Sq., ST. PAUL, MINN.

SHERWIN-WILLIAMS PAINTS & VARNISHES FOR THE FARM



Sherwin-Williams Paint (Prepared) (S.W.P.), is made for painting buildings outside and inside. S.W.P. is made of pure lead, pure zinc, pure linseed oil and the necessary coloring pigment and driers, thoroughly mixed and ground by special machinery and put up in sealed cans, full U. S. Standard measure. S.W.P. will cover the greatest possible amount of surface and will last for the longest time. There is economy in using good paint.

Sold by dealers everywhere. Ask for color cards

Address all inquiries to The Sherwin-Williams Co., 686 Canal Road, N. W., Cleveland, Ohio

RUST-PROOF METAL STACK COVERS

This Cover Will Save Enough
in One Stack to Pay for It!

Our Corrugated Galvanized Metal Stack Covers will save all the hay as successfully as if it were hauled into sheds and barns. Made in all sizes. A 15-year-old boy can put them up. Two boys can quickly cover a stack 20x40 feet. Wind-proof, water-tight and last a lifetime.

Farmer Agents Wanted Write today for descriptive booklet, prices and special agency terms if you want agency. Mention this paper.

The Martin Metal Manufacturing Co.
WICHITA, KANSAS.



6 BIGGEST, BEST and MOST BEAUTIFUL Chrysanthemums F-R-E-E!

A big garden of the always popular "Mums" may now be yours—and absolutely without cost! The beautiful Chrysanthemum collection described below is made up of First Prize Winners and is grown for us by one of the most famous firms of florists in America.

The beauty of this flower of the Orient is well known. Few people realize, however, how easily they can be grown. The Chrysanthemums described are among the best and most valuable varieties; they are healthy growers, early and abundant bloomers and bear flowers of the largest size and most beautiful shades of color. Here is a brief description of the six varieties included in our great free offer:

SIX COLORS:

White, Pink,
Crimson-Ma-
roon, Canary-
Yellow, Lav-
ender and
Golden-
Yellow



All
the
Most
Beautiful
Forms—
Incurred,
Recurved,
Globular
and
Whorled

PACIFIC SUPREME—A new globular, incurved variety. A delicate pink and very early flowering.

BLACK HAWK—The darkest red yet raised, velvety crimson-maroon. Outer petals reflexed, center erect, making a very large flower.

GOLDEN GLOW—The finest of its color ever offered. A fine canary-yellow of a soft texture, with broad petals.

LAVENDER QUEEN—Very solid Japanese incurved; large in size, fine lavender, height 3 1/2 feet; blooms about October 15. An exceptionally fine variety.

SUNBURST—Undoubtedly the grandest golden-yellow variety ever introduced; the marvel of the period. Nothing can exceed the richness of its color. Remarkably vigorous grower; carries its great globular flowers erect, giving it a bold, majestic appearance.

MY OFFER:

My purpose in offering to send you these six beautiful plants, absolutely free and prepaid, is to further introduce my already well-known publication.

If you are already a paid-in-advance subscriber you may accept my offer and time will be extended. If your time has run out, renewal on this liberal offer. Show this offer to your flower-loving friends so that they, too, may have one of these beautiful collections. If not a subscriber, send your subscription and get the best paper of its kind published, and share also in this big offer.

Send me just \$1.00 to pay for a new, renewal or extension subscription to my paper for one year and I will send to your address, at proper time for planting, the six beautiful varieties named above, free and prepaid. Send your dollar at once. Address:

Mail and Breeze, Dept. 6-M, Topeka, Kan.

Until Jan. 1st 1913 Only 25 cts.

Mail and Breeze Special Trial Rate

(Cut out this coupon and return it at once.)

ARTHUR CAPPER, Publisher Farmers Mail and Breeze, Topeka, Kan.

Dear Sir—Enclosed find 25 cents for which send the Farmers Mail and Breeze until January 1, 1913, according to your special trial offer to the following address. This is a new subscription.

Name

Postoffice

R. F. D., or Street or Box No.

State Date

A Necessity Like Flour

Mr. Editor—We are of the same opinion here as was stated by our old schoolmate, Amos Mendenhall in a recent issue,

that Farmers Mail and Breeze is an actual necessity like flour.

Mrs. H. A. Birdsley.
Washington, Kan., April 27, 1912.



FOSTER'S FORECASTS

HOT WEATHER IN JUNE.

(Copyrighted 1910, by W. T. Foster.)

To Farmers Mail and Breeze:

Washington, D. C., May 25.—My last bulletin gave forecasts of disturbance to cross continent May 26 to 30, warm wave 25 to 29, cool wave 28 to June 1. Cool weather will prevail and in some sections excessive rains. This period will include the organization of a great sunspot group and also will include electric storms, probably on this continent, but I will not venture to locate them.

Next disturbance will reach Pacific coast about May 30, cross Pacific slope by close of 31, great central valleys June 1 to 3, eastern sections 4. Warm wave will cross Pacific slope about May 30, great central valleys June 1, eastern sections June 3. Cool wave will cross Pacific slope about June 2, great central valleys 4, eastern sections 6.

This disturbance, following a long period of low temperatures, will bring a wave of great high temperatures and generally much less rain than has been usual the last three months. But where dry weather has prevailed the probabilities favor an increase in rainfall.

The first half of June will probably bring the best cropweather of the season up to that time and a greater amount of farm work will be accomplished than for any other two weeks of this year that have passed.

Another sunspot group will be organized about June 5 on the opposite side of the sun and will come into sight not far from June 20. But our earth will feel the effects of the disturbance not far from June 5 and dangerous storms are expected near that date. I am not now able to locate these storms except that they will be on this continent.

The storm wave that will connect with this sunspot group will reach Pacific coast about June 4, cross Pacific slope about June 5, great central valleys 6 to 8, eastern sections 9. Warm wave will cross Pacific slope about June 4, great central valleys 6, eastern sections 8. Cool wave will cross Pacific slope about June 7, great central valleys 9, eastern sections 11.

This disturbance will continue the hot weather but will tend toward cooler and showers will be more frequent. Good cropweather will prevail in about half the grain sections.

The month of June is expected to average warmer than usual northeast of a line drawn from Winnipeg to Charleston, S. C., and cooler than usual southwest of that line and east of the Rockies. About normal temperatures will prevail west of the Rockies. First half of June much warmer than last half.

Rainfall of June will be in spots and about one-third of the sections east of Rockies will have more than usual rain and two-thirds less than usual.

Most rainfall will be about the great lakes, the upper Mississippi valleys, southern Florida and Cuba. Elsewhere the rainfall will be from about normal to dry and drouth.

The Best Way to Handle Cowpeas

A GROWERS' DISCUSSION.

Mr. Editor—I think the best way of growing cowpeas is to double row them with a corn planter, planting about 1/2 bushel per acre. During the last two years I have tried single and double rowing, and broadcasting in corn at the last cultivation. For hay I plant as soon as the ground is warm in spring, as early planting will make the most vines. For seed I plant during the first half of June. Broadcasting in corn at the last cultivation will make good pasture if the weather is right. Last season I planted cowpeas after oats on July 14 and threshed 7 1/2 bushels per acre.

Vinita, Okla.

Fine Crop to Follow Wheat.

[Prize Letter.]

Mr. Editor—I have raised cowpeas for 16 years and think they are the best crop that can be grown on the farm, barring none. I plant by listing rather shallow and usually do not give them more than two cultivations, depending

on the season. I think more can be made by growing them after wheat is harvested than by planting earlier. Last year I did not get mine planted until July 15, but they made a ton of hay and 4 bushels of seed per acre. In one field I alternated cowpeas with corn in a few rows, and the corn here did better by 5 bushels per acre than any other and I had the cowpeas besides. I prefer the New Era, especially for planting after harvest. One bushel will plant an acre or more in rows.

S. H. VanEtten.

R. 6, Newkirk, Okla.

Peas and Kafir Together.

[Prize Letter.]

Mr. Editor—The best feed I ever raised was Kafir and cowpeas planted together the first week in June. I used a corn planter with special plates for each kind of seed and planted the Kafir first the regular distance apart. Between these rows of Kafir I then planted two rows of cowpeas each, making all rows 14 inches apart. Such a planting will need no cultivation. The peas will grow up the Kafir stalks and all may be harvested together with a mower and cocked in small bunches. This would also make good silage. This year I have a piece of ground prepared which I shall drill to cowpeas, using 1 bushel of seed per acre. I shall mow this for hay, then disk and work thoroughly, and put in alfalfa.

I believe the New Era cowpeas superior to all others. They are small and can be planted from a common wheat drill, and they are early, which is an advantage in a catch crop, besides they are very productive, and make fine hay.

I. P. Morehouse.

Elk Falls, Kan.

Merits of the Black-Eye Pea.

[Prize Letter.]

Mr. Editor—I have about 20 acres of upland on my farm that was badly washed when I bought it five years ago. I ditched the hillsides to carry off the water and sowed oats. After the oats were off I drilled black-eyed peas in rows 3 feet apart with seeds 6 or 8 inches apart in rows. I harvested a fine crop of peas before frost. I have kept up this method ever since and now this field has become fine producing land. I have also put manure on thin spots during the winter. Last year it was so dry after harvesting the oats that I did not plant the peas until July 27, but still I got a fine stand that looked promising until the army worms got in. Even then I gathered 4 bushels of seed per acre, and this seed now sells at \$4 per bushel. The black-eyed pea is much earlier and a surer yielder than all others and they also sell higher. Planting cowpeas between corn rows would do no good and if planted early in the season they will be destroyed by weevils before cold weather. Planted on stubble land in June or July they will yield 20 bushels per acre and no weevils will bother them. I have sown peas broadcast on stubble ground, but this is too expensive for results obtained. I plant with a lister and cultivate twice with a go-devil, which leaves the ground level for fall sowing.

W. J. Rogers.

Connersville, Okla.

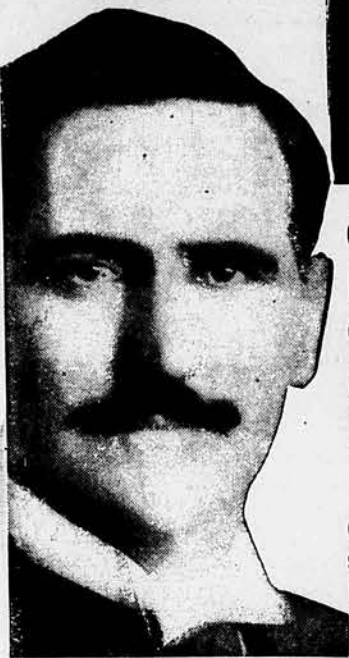
FREE TO POULTRY RAISERS.

Great Book of Money-Making Poultry Secrets—Given to Mail and Breeze Readers.

The well-known poultry authority, Mr. Reese V. Hicks, has written an intensely interesting and practical book that should be in the hands of every person interested in raising poultry for profit.

This book is "Tricks of the Poultry Trade"—the one different, desirable poultry book of the year. Among the many valuable secrets found only in this book are the following: Three methods of selecting the laying hen; A sure and certain method of selecting eggs for hatching; How to raise 500 chickens on a lot 30 by 40 feet; How to build a natural hen incubator; How to build feed hoppers and fireless brooders; How to make feed at 10 cents a bushel; How to make winter egg ration, poultry feeds and tonics, egg preserver, house killers; How to grow pullets that lay young; How to grow pullets that lay young and make a large egg yield; How to handle incubators to best advantage; The trick of securing more pullets than cockerels; How to tell age of eggs and fowls; How to prevent lopped combs.

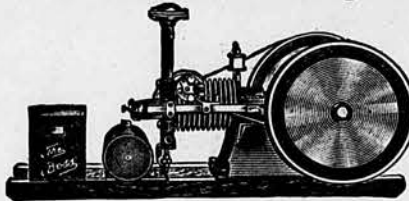
All these and many more subjects—too numerous to mention here—are fully covered in this great book. It is big value for two dollars of anybody's money—but we're giving them away FREE on this plan: We will give you one year's subscription to Farmers Mail and Breeze, one year's subscription to Poultry Culture, the best poultry journal in the West, and one copy of this great book of poultry secrets—all for only \$1.25. State whether you are an old or new subscriber. Address at once, Arthur Capper, Publisher, Topeka, Kan.



SAVE \$20 TO \$300

Galloway's Rare Combination of Rock Bottom Low Prices for Highest Quality Engines Has Completely Snowed Under All Competition. Orders for these Labor Saving Engine Bargains Pouring In From Every Locality.

New 13 1/2 H. P. is a sample of Galloway Engine Values. Other sizes up to 15 H. P. at surprisingly low prices. Write me for my special offers right Now.



Your Credit Is Good

Get The Price

Write for Free Book



I WANT every farmer who reads this page to consider it a personal invitation to visit me at Waterloo. If I knew your name and address, I would write you a letter urging you to come. But I can't do that. So I send this message to thousands, who should be—and later will be, I trust, my good, warm personal friends. I want you to come and see for yourself just where and how Galloway Engines, Manure Spreaders and Cream Separators are made. I want to show you through my model factories—covering more than six acres of space—from end to end. I want you to see my big force of contented, well paid, skilled workers turning out the finest machines in the world. I want you to be able to reply to the man who says: "Galloway has no factory"—"I know better! I've been to Waterloo and seen his plant." Treat yourself to a trip as soon as

you can. Come to Waterloo and enjoy the big "doings." Plenty to see. Plenty to do. Plenty to set you thinking. I'll give you a red-hot welcome, and entertain you at our beautiful new Agricultural Club, furnished with every convenience and luxury to make your visit enjoyable.

If you can't come now, write me anyway. Let me send you my latest Big Free Illustrated Books and Special Offers. They'll surprise you with the big savings I can make for you. I'd much rather meet you face to face, but if that can't be, I'll go to you—in print—and show you just why Galloway can make the lowest prices on the highest quality Engines, Spreaders and Separators in the world.

Quality-Giving Dollar-Saving

GALLOWAY'S

Will You Pay Three Profits or One?

Remember you must buy either direct or indirect; you must pay either three profits or one small profit on your Engine, Spreader or Separator. When the dealer buys he buys indirect and absolutely must pay two profits before he takes the machine out of the crate. Now if you buy from him, you must not only pay two profits but the dealer's profits and selling expenses extra—three profits in all! When you buy of me direct, you pay one small profit—my price to you is less than the dealer can buy for spot cash in carload lots! These are cold facts, and no amount of argument by the Dealer, Agent or Mail Order Middleman can change them.

Get my price for this 3 h. p.

Get my price for this 5 h. p.

Highest Grade Engines

No matter whether you have ever done business with me or not, you probably know from reading my advertisements and from talking with others that Galloway Gasoline Engine prices are the lowest on the market. But what concerns me is this. Do you also know that the GALLOWAY Engine is absolutely the highest in quality? I know it—thousands of my old customers know it—now I want 10,000 new customers to know that "GALLOWAY" spells "QUALITY." There's no mystery about Quality. It's simple enough—can be proved—if it exists. Quality is—and can be—the result of only three things: 1—High-grade materials. 2—Skilled workmanship. 3—Finest Automatic Machinery. You can't get Quality from less—you need no more—than just these three things. I have them all!

Get my price for this 7 1/2 h. p.

I Buy Only Best Quality of Materials

My vast purchasing power, based on my tremendous volume of business and \$3,500,000 authorized capital stock, enables me to buy at the lowest, bed-rock prices. I watch the raw material market closely. When pig iron and steel "tumble" in price—as they did recently—I buy up big lots at the bottom price—and my engine customers get the benefit.

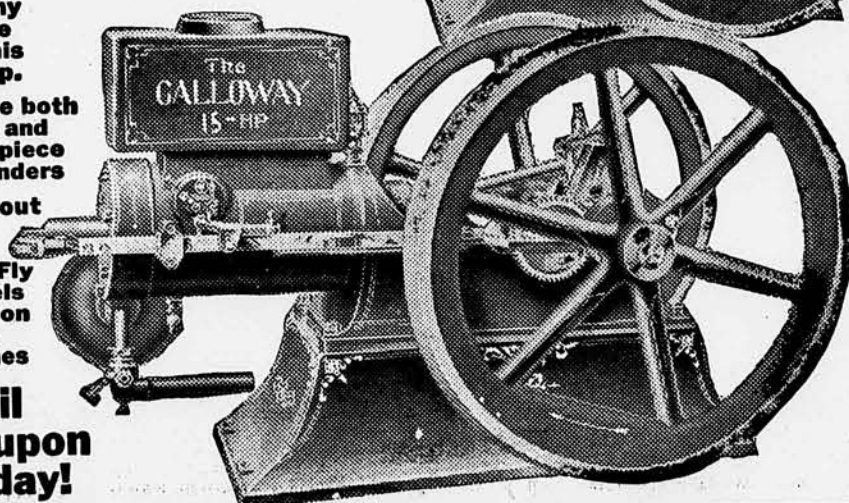
I can and will sell you an Engine of the highest known quality—from 1 1/2 to 15 h. p.—for less money than any Dealer, Agent, Manufacturer or Mail Order Concern in the world.

Get my price for this 15 h. p.

I make both one and two piece Cylinders

Look out for the light Fly Wheels used on some engines

Mail Coupon Today!



Sensational Engine Offer

Sweeps Away All COMPETITION Like Dead Leaves Before the Gale!!

MY WONDERFUL success is built on the "endless chain" principle. My record shows that one Galloway Engine sells another—that "other" sells another—and so on—my BEST salesman is the Engine itself. So I've made up my mind to test out this "endless chain" idea on a new plan. I am going to place ten or more Galloway Engines in every township during the next six months and I'm going to cut my profit right to the bone to be sure of getting thousands of these Mechanical Salesmen out working for me on a nation wide scale. Yes, sir, I am bound and determined to place at least (maybe more than)

Ten Galloway Engines in Every Township in the Next Six Months

Let me tell you what this means. It means that the men who answer this announcement will get a proposition in the engine they need, as good as a gift of from \$25 to \$300 depending on size wanted. If you want only a small engine for pumping, etc., my special offer will be worth from \$25 to \$40 to you. If you need a larger size—up to 15 h. p.—accepting my offer means as much as \$300 in your pocket. No matter what your power needs—

Pumping—Irrigation—Threshing—Silo Filling—Wood Sawing

or general work—there is a Galloway Quality Engine to do the work as well or better than any other—or back she comes at my expense, with your money on its return trip to you as fast as Uncle Sam can carry it. Now, it is evident that in order to place ten engines in every township in the time set, I must be willing to sacrifice my profit—cut it right down to the bone! But I figure it's worth doing because it will enable me to do the Farm Engine Business of the country. And I'm going to do it! So be one of those to write me at once for the Big Special Engine Offer. Let me show you just why Galloway sweeps away all Engine Competition like dead leaves before the gale.

Now Stop and Reason

First—Could I afford to give you a legal binding five-year guarantee unless I positively knew my engines would stand up and deliver the goods under the hardest usage? Second—Could I afford to send my engines out on an absolute 30 days' free trial, unless I was positive that when placed side by side with the best engines made by my competitors, the Galloway would prove still better!

I protect every purchaser of every Galloway Engine by giving them an absolute thirty-day free trial and a five-year legal guarantee—a guarantee that is backed by a \$25,000 cash bond deposited with the Black Hawk Nat'l Bank of this city.

WM. GALLOWAY, President

Your Credit Is Good With Me

The WM. GALLOWAY CO., 205 B D Galloway Sta., Waterloo, Iowa

Mail This Free Coupon Right NOW!

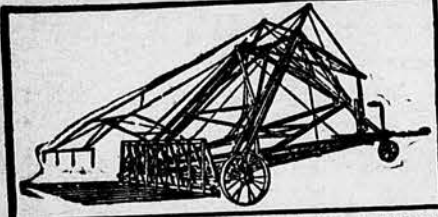
WM. GALLOWAY, President, The Wm. Galloway Co., 205 B D Galloway Station, Waterloo, Iowa

Please send me—absolutely free—the following:

- 1—Galloway's Magnificent New 50-page Engine Book in Four Colors.
- 2—Galloway's Sensational Engine Offer to get 10 engines or more in Every Township.
- 3—Galloway's Special New Folder giving "Inside Facts" showing what dealers pay for engines and what they sell for.
- 4—Galloway's Big General Line Catalog. The Book of a Thousand Savings.

State _____ County _____
Town _____ RFD _____
Name _____

Save \$10.00 A Day With the "SUNFLOWER" STACKER



For Headed Grain, Bundles or Hay.

Three men and a Sunflower Stacker can handle 25 tons of hay a day and do it easily. The same labor without the Stacker can only handle 10 tons a day—this is a clear saving of \$10 to \$15 a day during the season when labor is hard to get at any price.

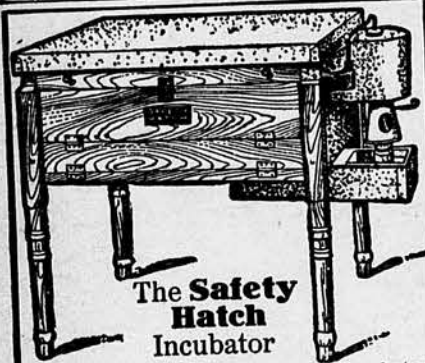
The Sunflower Stacker is strong in construction, practical in principle, simple in operation; made with fork attachment for hay, and box for grain, which saves wheat-farmers hundreds of dollars annually. The only Stacker made that handles headed grain satisfactorily. Will lift 1800 pound load and top out stack 20 feet high.

"BEST I EVER USED."

"I have used the 'Sunflower' all this season and consider it the best time and money saving tool I ever used."—J. W. TATMAN, Manhattan, Kansas.

Scores of others say the same. Write us today for valuable FREE information regarding the Sunflower Stacker. You'll be interested. SEND YOUR NAME NOW.

SUNFLOWER MFG. CO.,
Box M Manhattan, Kansas.



The Safety Hatch Incubator

This is the latest improved incubator and by reading our catalog you will discover it has features never before applied to an incubator. It is fireproof, has a sliding lamp that holds oil enough to run ten or twelve days, and it is a perfectly sanitary machine, as the top raises and all of the inside can be taken out and cleaned. Every piece of lumber in it is kiln dried. Ask your dealer for a SAFETY HATCH catalog or write us.

ONE MINUTE WASHER CO.,
EL RENO, OKLAHOMA.

Our Special Offer

Help us to spread the gospel of better farming by placing the Farmers Mail and Breeze in the hands of your friends and neighbors who are not now readers of the paper.

We will send the Mail and Breeze to new subscribers in Kansas or Oklahoma ten weeks for ten cents. For your trouble you may keep the dime collected on each order secured. Just send us the names and addresses. They must be names of farmers who live in Kansas or Oklahoma. No others accepted.

If you will send us 10 ten-week subscriptions and the \$1.00 collected we will extend your own subscription one year from date it is now due to expire.

Save Your Chicks

We can help you. Send names and addresses of 10 Poultry friends and receive our 32-page book on "WHITE DIARRHOEA, the Greatest Enemy to Chick Life." This book makes Poultry Profits possible. Gives care and feeding of chicks; also gives cause and guarantee cure for b-wel trouble. Above book and sample of F. K. Tablets FREE, postpaid, for the names. Write today. The value will surprise you.

F. K. REMEDY CO.,
733 Second St., Arkansas City, Kan.

WOOL WANTED

Write For Prices.

SACKS AND TWINE at cost.

T. J. BROWN FUR CO., 3rd & Delaware St., Kansas City, Mo.

SPECIAL SUMMER RATE NOW IN EFFECT.

Electric and steam vulcanizing. Lathe work and actual repairing. Free catalogue.

LINCOLN AUTO SCHOOL,
2350 O ST., LINCOLN, NEBR.

Kaffir Seed for Sale write for prices and samples.
Mill & Elevator, Severy, Greenwood Co., Ks.

Poultry Keeping

CONDUCTED FOR FARMERS MAIL AND BREEZE BY REESE V. HICKS, PREST. AMERICAN POULTRY ASSOCIATION.

We want you to talk chicken with us. Good short letters on poultry matters especially welcome. A year's subscription to Farmers Mail and Breeze is awarded each week for the most helpful bit of poultry experience, and for second and third best contributions subscriptions to other useful publications.

Chaff from the hay mow floor makes the best litter for chicks.

There is little use in wasting time over a crippled or deformed chick.

It is best to teach chicks to roost on perches as soon as they are weaned from the hen.

The first two weeks of a chick's life there is danger it will overeat, but after that it is safe to let them help themselves.

Having too many chicks in one brood, whether with a hen or in a brooder, is a common fault. Chicks in small broods always do better.

Don't let the young turks out until dew is off the grass in the morning if you want turkeys to sell next Thanksgiving.

It is best to hatch turkeys away from the hen house, and other places frequented by chickens, to keep them from getting lousy.

Mix plaster of Paris and turpentine, mould in the shape of eggs, and put one in each nest to kill lice and mites. Do not use with eggs that are hatching.—M. J. S.

Mix half a bushel of dry ashes with a pint of carbolic acid, a pint of coal oil, and a pint of sulphur. Put some in the nests and the hens will not be bothered with lice.—Mrs. M. E. Camerer.

A city chicken man has found a good way to break a broody hen. He puts an alarm clock in the nest and when the clock goes off the hen goes off too—and never comes back.

This Stops the Work of Lice.

The poultry department of Ohio Agricultural college is recommending a lice powder which, it is said, poultrymen will find effective in ridding their fowls of parasites. Directions for making the powder are: Put 2½ pounds of plaster of Paris into a pan. Then mix ¼ pint gasoline and ¼ pint cresol. Stir the plaster of Paris while adding the liquid. When ready the mixture should be rather crumbly. After drying it should be sifted, when it will be ready to use.

Profits in Pekin Ducks.

[Prize Letter.]

Mr. Editor—I find the large white Pekin ducks grow much faster than chickens. If fed well they will be ready for market at from 8 to 10 weeks old.



FLOCK OF MAMMOTH PEKINS.
(For beauty and size Pekins are unexcelled.)

The last two years my early young ducks, weighing 3 to 3½ pounds, sold at 19 cents a pound. Then there are the feathers, but at that age they do not have many on their backs. Ducks should not be picked while laying, but drakes may be picked every six weeks. Ducks begin laying about the middle of April and keep it up until late in July.

The old ducks need a swimming pond, as their feathers will not be nearly so good without the water and their eggs will be much more fertile. But the ducklings should be kept out of the water

when young and should have only water enough to drink.

Young ducks should have ground grain for food, as whole grain is apt to kill them. I feed corn chop and shorts moistened with water four times a day and give them green feed such as onion tops and lettuce. We frequently have young ducks for the table, as they make fine fries.

I have tried duck eggs in my incubator and find they hatch as readily as hens' eggs.

Sylvia, Kan.

Reports of Hatches Due Soon

FORM OF REPORT.

Our incubator, or fifth annual hatching contest, closes May 30, 1912. With your report enclose the manufacturer's bill or your dealer's acknowledgement showing your incubator was bought this year (1912) from a Farmers Mail and Breeze advertiser. Report your two best hatches in the following form. Report of second hatch is for use in case of a tie for the prizes:

(First Hatch.)	
Number of eggs set.....	March 100
Date set.....	March 25
Number of eggs tested out.....	none
Date tested.....	March 31
Total number of live chicks hatched.....	95
Date hatch was taken off.....	all on April 16
Per cent.....	
(Second Hatch.)	
Number of eggs set.....	April 105
Date set.....	April 17
Number of eggs tested out.....	2
Date tested.....	April 24
Total number live chicks hatched.....	87
Date hatch was taken off.....	May 6
Per cent.....	

The figures and dates used in the form report above are simply to illustrate how hatches are to be reported. Prize winners will be sworn to their reports after contest has been judged.

Address reports to Poultry Editor, Farmers Mail and Breeze, Topeka, Kan., as soon as possible after May 30.

Douglas Mixture for Turkeys.

Mr. Editor—A good all around remedy and preventive of disease in turkeys is the homemade Douglas mixture. It is also a good disinfectant and so cheap that it may be used freely in coops, nests, and on perches. The following is the formula: One pound copperas, 1 ounce sulphuric acid, and 2 gallons of water. Put 1 teaspoonful in a quart of drinking water but only let them have it about once or twice a week.

Columbia, Ky. S. M. Suddarth.

Keep the Turkeys Tame.

[Prize Letter.]

Mr. Editor—Set turkey eggs under a motherly old hen. When hatched keep them shut up in the morning while cool and damp and do not allow them to run at large until 2 or 3 weeks old. I put the hen and turks in a pen made of the side boards of a wagon box and cover this with netting. There the turks can have the sunshine and nothing can disturb them. I feed them cheese curd and hard boiled eggs with plenty of black pepper and once a day give them a pan of sour milk. I feed them wheat as soon as they can pick it. If you will raise your turkeys with an old hen and pet them they will not roam so far away and by having a pan of milk for them every evening they will be sure to call for it.

Mrs. O. C. Montgomery.
McDonald, Kan.

FOUND AT LAST.

Dear Sir:—Knowing that bowel trouble in little chicks is the worst disease we have to contend with, you may print the following if it will benefit others: "I have been in the poultry business for fifteen years, and have lost thousands of the little downy fellows with this most awful disease. A lady recommended Walker's Walko Remedy, so I sent 50c (M. O.) for a box, to the Walker Remedy Co., L. 6, Lamoni, Iowa, and am thankful to have at last found a preventive. It is the first medicine I have found that would prevent, also stop bowel trouble or white diarrhoea among little chicks." Miss A. Sargent, Sarcosie, Mo.

A high grade, guaranteed durable live rich red barn paint is sold by the Sunflower Paint & Varnish Co. of Ft. Scott, Kansas, direct to the consumer at only 85c per gallon in 5 gal. cans, freight prepaid. This is a paint proposition worth considering by every farmer. This is a reliable company and now is paint season. Try this paint.

DOWDEN PERFECT POTATO DIGGER

SAVES HALF THE COST OF HARVEST

Simple, strong, durable, always in order. Works in all soils, all depths, hillside and level. Does not cut the potatoes—misses none—potatoes clean on top of ground. Vines do not interfere with the working of the Dowden Digger. Write for Free Catalog.



Write today. Dowden Mfg. Co., 1203 Elm St., Prairie City, Ia.



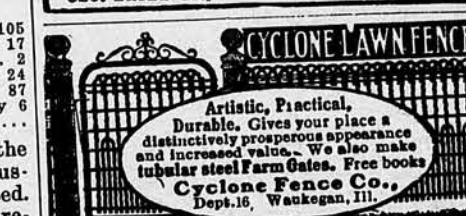
Bale Your Hay Quicker and Cheaper

One Man and One Horse can easily and quickly with Ertels Daisy Press

bale all the hay on your farm. Then bale your neighbors' and get \$1.75 a ton—MAKE BIG MONEY BESIDES REGULAR WORK.

The only Successful Self-Feeding. Self-feeding, 1-man, 1-horse, self-feeding hay press on the market. Has open-side hopper—makes smooth, clean bales.

Powerful and durable in construction. Every machine guaranteed. Free trial. Write today for full description. GEO. ETEL CO., 256 Kentucky St., Quincy, Ill.



You Can Earn More Money

Experienced chauffeurs and mechanics get from \$75.00 to \$200.00 a month. Learn to run and repair automobiles in the largest, best equipped school in the West. Now in our new building. Write today for Catalogue.

NATIONAL AUTO TRAINING ASS'N
2870 North 20th St. Omaha, Neb.

TITANIC DISASTER Greatest Ocean Catastrophe in History. Our new book \$1.50 size retelling at \$1.00 to agents \$1.50. Samples postpaid 10c. Order quick. Agents making \$25.00 daily. Address Dept. T. Nichols & Co., Naperville, Ill.

BRACELET FREE
We will give, absolutely free, to the first girl in each neighborhood who writes us, this fine Adjustable Signet Bracelet, guaranteed for five years. It is made of real rolled gold, with hand-somely chased links and highly polished, engraved signet disk with space for your initial. Just send us your name and address for 8 packages of our choicest embossed post cards to distribute among your friends on our special offer. When distributed, send us money collected and we send you this beautiful Bracelet in a pretty Satin-Lined Case, absolutely free. Your money refunded if you are not delighted. Address S. M. WRIGHT, 137 W. 8th, Topeka, Kan.

Reliable Poultry Breeders

TOULOUSE GEESE.

EGGS from prize winning mammoth Toulouse geese \$1.00 per setting. S. H. Lenhart, Abilene, Kan.

HOUDANS.

HOUDANS—World's greatest winter layers. Eggs and stock. Mrs. Lee Biglin, Alta Vista, Kan.

BRAHMAS.

LIGHT BRAHMAS, white and Silver Laced Wyandottes, Barred Rocks; eggs 15 \$1.00. Indian Runner ducks, eggs 13 \$1.00. Fred Pfeiffer, Kappa, Ill.

BLACK SPANISH.

WHITE FACE BLACK SPANISH eggs for hatching, 15 \$1.00, 50 \$3.00, 100 \$5.00. A. W. Swan, Centralia, Kan.

WHITE FACED BLACK SPANISH exclusively for 17 years. Best blood in America. Eggs balance of season \$1.00 per 15. Circular free. Extra well packed. \$5.00 per 100. Chestnut & Son, Centralia, Kan.

MINORCAS.

SINGLE COMB BLACK MINORCA eggs, 15 75 cts., 30 \$1.50. Sarah Peters, Nashville, Kan.

Reliable Poultry Breeders

PLYMOUTH ROCKS.
THIRTY EGGS five dollars. Duff's Barred Rocks, Larned, Kan.
BARRED R. eggs \$1.00 16, \$4.00 100. M. Burton, Haddam, Kan.
BUFF ROCK baby chicks and eggs. Mrs. Fred Miller, Wakefield, Kan.
WHITE ROCK eggs, 15 \$1.00, 100 \$4. Mrs. Frank Powell, Buffalo, Kan.
BUFF ROCKS—Write me today for list. William A. Hess, Humboldt, Kan.
WHITE ROCK eggs. 60 per cent hatch guaranteed. W. J. Lewis, Lebo, Kan.
RINGLET ROCKS—Laying strain. Eggs, dollar per 15. Tracy's, Conway Springs, Kan.
WHITE ROCKS—Quality good; eggs and chicks for sale. J. A. Kauffman, Abilene, Kan.
PLYMOUTH ROCK eggs for setting, \$1.25 per 15, \$2.00 per 30. J. R. Collins, Solomon, Kan.
BARRED ROCKS. Winners, weighers and layers. 15 eggs \$1. O. Warrenburg, Centralia, Kan.
"WHITE IVORY" WHITE ROCKS. Eggs \$1 15, \$5.00 100. Mrs. Harry Webster, Yates Center, Kan.
BARRED ROCK eggs and chicks from scored birds. Mrs. H. F. Schmidt, Humboldt, Kan.
PRIZE WINNING Barred Rocks. Eggs \$2.00 15, \$5.00 50. Mrs. Chris Bearman, Ottawa, Kan.
PARTRIDGE ROCKS—Nottzger strain. 15 eggs \$2.00, 12 baby chicks \$3.00. Harry Zerger, Winfield, Kan.
PURE BRED WHITE ROCKS—Best strains. Eggs \$1.00 per 15, \$5.00 per 100. Mrs. E. E. Williams, Sabetha, Kan.
BARRED ROCK eggs, good boned, well barred, 75 cts. per 15; \$1.25 per 30; \$3.75 per 100. Mrs. Geo. Slater, Cleveland, Kan.
BLUE BARRED ROCK and R. C. chocolate Red eggs from birds that talk for themselves. Write Milton Delhi, Lawrence, Kan.
BARRED ROCKS—92 premiums. Eggs, 15 \$1.00, 100 \$5.00; special mating, 15 \$3.00. Stock \$2.00 up. W. Opfer, Clay Center, Kan.
BUFF ROCKS. Farm raised; prize winners. Eggs, 15 \$2.00. Express prepaid. Circular Free. Ferris and Ferris, Effingham, Kan.
BARRED ROCK eggs, \$1.50 for 15, from prize winning, high priced birds. Eggs guaranteed fertile. E. C. Jewell, De Witt, Neb.
BUFF ROCKS—Eggs \$1 per 15, \$5 per 100. Baby chicks 20c. From Delvenhall (Johnson strain). Mrs. Jno. Babb, Centralia, Kan.
BARRED ROCK eggs. From prize winning stock. Farm raised. \$1.00 per 15, \$5.00 per 100. Mrs. H. Buchanan, Abilene, Kan.
BARRED ROCK eggs from special mating \$3.00 per 15; from prize winners \$2.00 per 15, \$3.50 per 30; fertility guaranteed. J. S. Hackney, Troy, Kan.
INDIAN RUNNER ducks, Barred Plymouth Rocks, Light Brahmas. Eggs from prize winners. Satisfaction guaranteed. Bert White, Burlingame, Kan.
PURE BRED BARRED ROCKS with yellow legs. Baby chicks 12 cents each. Eggs 15 \$1.25, 30 \$2.00, 100 \$5.00. Mrs. John Yowell, McPherson, Kan.
BARRED ROCKS that have been line bred for 13 years; exhibition stock a specialty; must make room; cockerels \$1.00 to \$10. G. R. Miller, Bowling Green, Mo.
WHITE ROCKS (Fisher) scoring 94½, from prize winners. Also Barred and Buffs. Separate farms. 15 eggs \$1.00; 50, \$3.00; 100 \$5.00. Chicks 15c. J. Dray, Nickerson, Kan.
BARRED ROCKS—44 premiums, 19 firsts. Winners Topeka, Manhattan, Clay Center. Eggs, 15, \$2.50; 30, \$4.50; 15, \$1.00; 60, \$3.25; 100, \$5.00. Mrs. D. M. Gillespie, Clay Center, Kan.
BUFF ROCKS exclusively. Eggs from healthy, vigorous, farm raised stock, \$2 per fifty, \$3.50 per hundred. Penned eggs, \$3 and \$1.50 per setting. Mrs. Homer Davis, Walton, Kan.
BARRED PLYMOUTH ROCKS exclusively. Eggs from pens of scored birds \$1.50 per 15, \$4.00 per 50, \$7.00 per 100. Range \$1.00 per 15, \$2.50 per 50, \$4.00 per 100. Mrs. C. N. Bailey, R. 2, Lyndon, Kan.
SHELLEY BROS.' BARRED ROCKS won 70 premiums—34 firsts, specials and sweepstakes—at Kansas' largest shows. Eggs, \$3.00 for 15; \$5.00 for 30; guaranteed. Circular free. Shelley Bros., Elmdale, Kan.
13 YEARS' experience with Onward and Upward Barred Rocks has put them in the very front ranks of breeding and individuality. 15 eggs \$3. Pullet mating only. G. E. Dyksterhuis, Holtz, Colo.
LANGSHANS.
BLACK LANGSHAN eggs from prize winning stock. \$1.00 per 15. Martha Haynes, Grantville, Kan.
BLACK LANGSHANS—Eggs from pens scored cockerels \$1.50-\$2.00; range \$1.00. John Bolte, Axtell, Kan.
GOOD Black Langshans. Farm raised. Eggs, 15 \$1.50, 100 \$7.50. Baby chicks 15 cts. each. Mrs. Geo. W. King, Solomon, Kan.
BUFF AND BLACK LANGSHAN pullets, score to 96½, cks. finest strains, 96. Egg orders filled promptly at \$1.00 to \$2.00 per setting and \$5.00 per 100. J. A. Lovette, Mullaville, Kan.


Reliable Poultry Breeders

RHODE ISLAND REDS.
SINGLE COMB REDS—100 eggs \$3.50. Gertrude Haynes, Meriden, Kan.
BABY CHICKS—Purebred S. C. Reds 10 cts. Mrs. Geo. Tudor, Osage City, Kan.
ROSE COMB REDS—Eggs from fine stock 30 \$2, 100 \$4.50. John A. Reed, Lyons, Kan.
R. C. REDS, score 90 to 93. Eggs \$3 per 15. Rates. Mrs. Ina Hayford, Pomona, Kan.
CHICKS from Rose Comb Rhode Island Red prize winners 10c each. S. H. Lennert, Abilene, Kan.
PURE BRED S. C. REDS—15 eggs 75c, 100 \$3.50; baby chicks 10c. J. B. Scott, Gas, Kan.
PURE S. C. REDS, splendid laying strain. Eggs \$1.00 15, \$5.00 100. Mrs. W. L. Maddox, Hazelton, Kan.
ROSE COMB REDS—Eggs \$1 to \$5 per sitting, from prize winning birds. F. M. Thompson, Fairmont, Neb.
SIX YEARS a breeder of the R. C. Red. 85 cents 15 eggs, \$4.00 per hundred. Frank G. Stettinisch, Bremen, Kan.
SINGLE COMB RHODE ISLAND RED eggs, \$3 per 100; \$1 per 30. Mrs. Rosa Janzen, Geneseo, Kan., R. 3.
NEOSHO POULTRY YARDS—Rose Comb R. I. Reds score to 93. Satisfied customers. J. W. Swartz, Americus, Kan.
ROSE COMB RHODE ISLAND REDS—My 2 pens next 60 days reduced to \$1.00 15 eggs. Frank Tuttle, R. 2, Chanute, Kan.
ROSE COMB RHODE ISLAND REDS. 75c per 15, \$3.50 per hundred. Good utility stock. Adda Walker, White City, Kan.
SEVEN YEARS a breeder of R. C. Reds. Good layers; farm range eggs \$4.00 100. Anconas \$1.00 15. Mary Bartley, Barnes, Kan.
BUY S. C. RED eggs from my fancy pens, and get value received. Having excellent hatches reported. Write for prices. Clyde C. Whiteley, Wichita, Kan.
SINGLE COMB RHODE ISLAND REDS. Descendants of state winners. Heavy winter layers. 15 eggs \$1.00, 100 \$5.00. Chicks 15c. W. Drake, Nickerson, Kan.
SINGLE AND ROSE COMB R. I. REDS. Eggs from best laying, richly colored strains in the country. 15 for \$1, \$4 per 100. Col. Warren Russell, Winfield, Kan.
CHOICE Rose Comb Rhode Island Reds, fine shape, splendid color and size, good layers. Eggs for sale \$1.00 for fifteen. Miss Jessie B. Starr, Vinita, Okla.
BLUE RIBBON R. C. REDS. Red eyes, long back, big bone. Scoring 90 to 94. Eggs \$1.00, \$3.00, \$5.00. Range \$4.00 per 100. Sibley strain. Ruby Morris, Rosalia, Kan.
SECRETARY BORDERS says I have won 45 prizes at Kansas State shows, next highest 19. Enough said. S. C. and R. C. Reds. Eggs \$1.50 and \$3.00 per 15. R. B. Steele, Sta. B, Topeka, Kan.
THOROUGHbred Rose and Single Comb Rhode Island Red eggs from 93 to 94 point males and high scoring females, trapped for superior egg production, \$2 per 15, \$3.50 per 30, \$5 per 45. D. J. Bliss, Carthage, Mo.
ROSE COMB RHODE ISLAND RED eggs, from pens headed by cock birds costing from \$10.00 to \$25.00. Eggs at sacrifice prices after May 1. \$1.00 per sitting. \$5.00 per hundred. Address Grandview Stock Farm, Americus, Kan.
RHODE ISLAND REDS—Both combs. One of the oldest Red breeders in Kan. Ten matings to furnish eggs for hatching. Fertility and safe arrival guaranteed. Prices within reach of all. Illustrated mating list free. H. A. Sibley, Lawrence, Kan.
DEEP RED R. C. REDS—Pens headed by State Show and other show winners. All scored stock. Eggs cheapest in the West, quality considered. \$1.00 to \$3.00 per 15. Large yard of choice color, shape and size, \$4.50 per 100. Free circular. Stover & Myers, Fredonia, Kan.
ORPINGTONS.
WRITE for my B. O. egg offer first. Box 101, Barnes, Kan.
IRWINDALE FARM White Orpington eggs half price. Free circular. Route 7, Topeka.
S. C. BUFF ORPINGTON eggs \$1.50 for a setting of 15. C. L. Vastine, Brownell, Kan.
KELLERSTRASS Crystal White Orp. hens for sale at \$1 each. C. B. Owen, Lawrence, Kan.
S. C. BUFF ORPINGTON eggs, 15 \$1.00, 100 \$4.00. Mrs. O. R. Gale, Cherryvale, Kan. Rt. 1.
OSCAR ZSCHEILE, Burlington, Kan. White Orpingtons exclusively. Eggs and cockerels.
BABY CHICKS—Kellerstrass Orpingtons 25 cents. Mixed breed 6 cents. Fred Ballie, Fredonia, Kan.
EGGS—S. C. Buff Orpingtons, Barred Rocks, 75c and \$1.00 per 15. Mrs. W. M. Errington, Ruleton, Kan.
KELLERSTRASS White Orpington eggs half price after May 15th. Catalog free. A. B. Collins, Yates Center, Kan.
CRYSTAL WHITE ORPINGTONS—Stock and eggs for sale. Need room; stock must go. Thos. W. Miller, Oswego, Kan.
KELLERSTRASS Crystal White Orpingtons. The big egg laying strain. If you want the best I have them. Eggs 20 and 35 cts. each. Chicks 50 cts. F. G. Irwin, No. Topeka, Kan.

Reliable Poultry Breeders

ORPINGTONS.
KELLERSTRASS ORPINGTONS—Eggs \$1.50 per 15, \$2.50 for 30. Hens with chicks. Free catalogue. Phillips Farm, De Soto, Kan.
HAURY'S invincible White Orpingtons. Stock and eggs for sale reasonable. Send for mating list. Dr. Arthur O. Haury, Newton, Kan.
BUFF ORPINGTON DUCK eggs. \$3 per setting. Prize winners. Something new. Satisfaction guaranteed. Maud Wadsworth, Mound Valley, Kan.
CRYSTAL WHITE ORPINGTON eggs, three selected matings: \$2.00 per setting, 3 for \$5.00; catalogue free. P. H. Anderson, Box M-53, Lindsborg, Kan.
SINGLE COMB BLACK ORPINGTONS—Six firsts, one second; heavy weights; heavy layers. Catalog free. Rose Cottage Poultry Yards, Phillipsburg, Kan.
GOLDEN BUFF ORPINGTON eggs, 15 \$1.00, 30 \$1.75, 100 \$4.00. Special mating, 15 \$3.00; only few to spare from this pen. White House Poultry Farm, Salina, Kan.
LEGHORNS.
FINE S. C. W. LEGHORN eggs, \$4 100. Geo. Patterson, Melvern, Kan.
SINGLE COMB WHITE LEGHORN eggs. Royal Yeoman, Lawrence, Kan.
THOROUGHbred S. C. W. L. eggs \$1.25 per 15. Sarah Rollins, Gretna, Kan.
EXTRA GOOD S. C. W. Leghorns. Eggs, chicks. Armstrong Bros., Arthur, Mo.
HART'S Single Comb Buff Leghorns give satisfaction. W. D. Hart, Ashland, Mo.
PURE Brown Rose Comb Leghorns. Eggs 3½ cents each. Laura A. Hazen, Hollis, Kan.
BROWN LEGHORNS, both combs. Won again. Eggs. Mrs. Ida Standifer, Reading, Kan.
PURE RANGE S. C. W. LEGHORNS—15 eggs 75c, 100 \$4.00. R. Harrison, Jewell, Kan.
PURE Single Comb White Leghorn eggs 17 \$1.00. Stock for sale. C. O. Kelley, Mena, Ark.
PURE S. C. BROWN LEGHORNS—Eggs, 30 \$1.00, 100 \$3.00. S. Oveson, Osage City, Kan.
SINGLE COMB WHITE LEGHORNS. Eggs \$3 per 100. Harry Givens, Blue Rapids, Kan.
PURE BUFF LEGHORNS, S. C.—Eggs, 30 \$1.75, 100 \$4. J. A. Reed, Route 2, Lyons, Kan.
ROSE COMB BROWN LEGHORNS—Kulp strain. Eggs, 100 \$3. Mary Miek, Ransom, Kan.
S. C. BROWN LEGHORN eggs for hatching, \$4.00 per hundred. H. N. Holdeman, Meade, Kan.
SINGLE COMB BROWN LEGHORNS—Pullet line only. Eggs \$1 15, \$5 100. Tiff Moore, Osage City, Kan.
S. C. W. LEGHORNS—Free range, great layers. Eggs, 100 \$3.00, 15 75c. C. B. Wilson, Burlingame, Kan.
S. C. WHITE LEGHORN eggs for hatching. All correspondence promptly answered. L. M. Shives, Iuka, Kan.
GUARANTEED thoroughbred pure White S. C. Leghorn eggs, 15 75c, 100 \$4.00. J. A. Blunn, Sta. A, Wichita, Kan.
ROSE COMB BROWN LEGHORN eggs exclusively, 5c. each, \$4.00 per hundred. Tillie Wilkins, Miltonvale, Kan.
S. C. W. LEGHORN eggs the remainder of the season, \$1.00 per 15, \$4.50 per 100. Geo. S. Phillips, Tecumseh, Neb.
DORR'S prize winning pure Single Comb Brown Leghorns. Eggs \$3.50 per 102; \$2 \$1.25. Chas. Dorr & Sons, Osage City, Kan.
SINGLE COMB BROWN LEGHORNS—Bred from best laying strains. Eggs at farmer's prices. J. F. Crandall, Barnes, Kan.
SINGLE COMB BROWN LEGHORNS—Excellent layers, large white fertile eggs, 100 \$3.00, 50 \$2.00. Mrs. Kenyon, Tyrone, Okla.
S. C. W. LEGHORNS. Large hens. Young's strain. Pearl guineas' eggs. All eggs 15 \$1.00. Neosho Valley Poultry Farm, Dunlap, Kan.
SINGLE COMB BUFF LEGHORNS—Prize winners. Egg circular free. Prices reasonable. Chas. M. Childs, Pittsburg, Kan., Route 3.
DORR'S PRIZE Rose Comb White Leghorns won the best prizes at the State Show. Eggs 15 \$1.00, \$5.00 per 100. A. G. Dorr, Osage City, Kan.
S. C. BUFF LEGHORNS—I have 100 selected hens mated with \$5.00 cocks. Farm raised. Eggs \$1.00 per 15, \$3.00 per 50, \$5.00 per 100. O. L. Hamby, Fair Play, Mo.
MY STANDARD BRED S. C. Buff Leghorns won at Newton 1st cock, 1st and 2d cockerel, 1st, 2d and 3d hen, 1st, 2d, 3d and 4th pullet, 1st pen. Stock for sale—cockerels \$1 and up. Eggs \$2.50 for 15; \$5 for 100. S. Perkins, 801 E. First street, Newton, Kan.
COCHINS.
PARTRIDGE COCHINS—Stock and eggs for sale. Mrs. C. Wonderly, Benedict, Neb.
BUFF COCHIN eggs from best pen, \$3.00 per 15; 2nd pen, \$2.00. Housel, Smith Center, Kan.
BEST BUFF COCHINS in West. Eggs from four grand pens. \$2.50 per setting. J. C. Baughman, 2215 Lincoln St., Topeka, Kan.

Reliable Poultry Breeders

WYANDOTTES.
WHITE WYANDOTTES. Eggs, 15 \$1.00, 100 \$4.00. A. W. Hargreaves, Abilene, Kan.
SILVER LACED WYANDOTTE eggs, 15 \$1.00, 100 \$5.00. Mrs. Janie Hunt, Lebo, Kan.
WHITE WYANDOTTE eggs 50c 15, \$3.00 per hundred. Mrs. L. D. Soule, New Cambria, Kan.
WHITE WYANDOTTE eggs, 15 \$1.00, 50 \$3.00, 100 \$5.00. Mrs. Geo. Downie, Lyndon, Kan., Rt. No. 2.
PURE BRED White Wyandotte eggs, 15 one dollar, 100 4 dollars. Mrs. Pantie, Route No. 8, Wichita, Kan.
WHITE WYANDOTTE baby chix 12c each. Incubator eggs, 100 \$4.00. Mrs. M. E. Johnson, Humboldt, Kan., R. 2.
PARTRIDGE WYANDOTTE eggs for hatching, 15 \$1.00, 50 \$3.00, 100 \$5.00. Mrs. L. M. Ayers, Centralia, Kan.
SILVER WYANDOTTES—Quality kind. Eggs \$1 and \$2 15; \$5 100. Baby chicks reasonable. Julia Haynes, Baileyville, Kan.
PRIZE WINNING WHITE WYANDOTTE Eggs—Pens \$1.50 and \$2.00 per 15. Range \$4.00 per 100.—Mrs. M. F. Austin, Miltonvale, Kan.
SILVER LACED WYANDOTTES—Beauty and utility breed. Best winter layers. Eggs \$1.50 per 15 from winners at Missouri State shows. Austin Crenshaw, Fulton, Mo.
SILVER WYANDOTTES that are winning in all the big shows. Bred for eggs and the show room. Stock for sale and eggs in season. M. E. Caldwell, Broughton, Kan.
BUFF WYANDOTTES—Eggs and baby chicks from the finest lot of breeding stock we have ever mated. Mating list furnished on application. Baby chicks, \$3.00 a doz., eggs, \$2.50 per 15. Two sittings \$4.00. Prices cut in half after April 20. Wheeler and Wylie, Manhattan, Kan.
TURKEYS.
WHITE HOLLAND turkey eggs, \$2.00 for 11. Mrs. Grace Dick, Harlan, Kan.
WHITE HOLLAND turkey eggs \$2.00 for 12. Mrs. E. B. Dorr, Mahaska, Kan.
EGGS from prize winning mammoth White Holland turkeys \$2.50 per setting. S. H. Lennert, Abilene, Kan.
FOR SALE—Bourbon Red turkeys. Trio \$11.00. Pair \$8.00. Eggs 25 cents each. Mrs. M. H. Arnold, Toronto, Kan.
ANCONAS.
ANCONAS exclusively. 15 eggs \$1.00, 100 \$6.00. Lucie House, Haven, Kan.
MOTTLED ANCONAS—Fine layers; eggs, \$1.50 per 15. Carl Sandfort, Humboldt, Neb.
MOTTLED ANCONAS. Eggs \$1.50 to \$3.00 per setting. Baby chicks \$2.50 and up. W. Hardman, Frankfort, Kan.
DUCKS.
INDIAN RUNNER duck eggs. Pen One, fourteen \$1.50. Pen Two, fourteen \$1.00. Julia Little, Conway Springs, Kan.
INDIAN RUNNER duck eggs. Prize winners at American Royal, K. C., Mo. Heavy laying strain. Geo. E. Hobson, Pittsburg, Kan.
SEVERAL VARIETIES.
ROSE COMB REDS, Silver L. Wyandottes. Eggs \$1 17, \$5 100. Mrs. Ola Elliott, Delphos, Kan.
THIRTY-FIVE VARIETIES thoroughbred poultry. Catalog free. Jordan Poultry Farm, Coffeyville, Kan.
FOR SALE—Choice Single Comb White Leghorn and S. Sp. Hamburg hens. Vira Bailey, Kinsley, Kan.
43 VARIETIES, Poultry, Pigeons, Ducks, Geese, Turkeys, Guineaes, Incubators, Dogs. Catalogue 3 cents. Missouri Squab Co., St. Louis.
HOUDANS, White Wyandottes, Indian Runner ducks. Winners at Eldorado Poultry Show. Eggs 1 to 5 dollars per setting. Mrs. D. T. Smith & Son, Burns, Kan.
EGGS, EGGS from White Rocks, White Cochins, bantams, White Holland turkeys, Imperial Pekin ducks, Pearl guineas and White Wyandottes on separate farms. Satisfaction guaranteed. Write S. T. Garman, Courtland, Kan.
MISCELLANEOUS.
SINGLE COMB BUFF ORPINGTONS from prize winning strains. Cockerels, hens and pullets for sale. Eggs: \$6 per 100; \$1.50 per setting. TOULOUSE geese. Eggs 25c each; \$2 per setting. Only the best stock sold. MRS. C. L. BRANIC, HIAWATHA, KAN.

Choice Eggs for Hatching from 52 varieties, of Chickens, Ducks, Geese, Turkeys. 130 Premiums at one exhibit. Largest poultry farm in North Iowa. Send stamp for catalogue. E. & J. W. TRETIN, Grafton, Iowa.
Cook's Barred Rocks
Are the greatest winners and layers in the West, large, healthy, farm raised and vigorous. Owing to the backward unseasonable spring I am going to share with my customers and offer eggs at the very low prices of \$1.25 per 15, \$3 per 50 and \$6 per 100. Better quality at the prices cannot be bought. Order at once.
CHAS. J. COOK, Box B, Marysville, Kansas.

The WOMEN

Conducted by



FOLKS

Mabel E. Graves

We want this department to be of practical use to the women who read Farmers Mail and Breeze. If you have any favorite recipe, any helpful hint, whether it concerns the family, the kitchen, the house, or if you have anything to say which would be of interest to another woman, send it to the Home Department editor. Prizes for the three best suggestions received each week will be, respectively, a set of triple-plated teaspoons in the beautiful Narcissus design, a year's subscription to the Household magazine, and a year's subscription to the Poultry Culture magazine.

Decoration day has come to mean a time when we not only decorate the graves of our soldier dead but heap with flowers the graves of our own loved ones who have left us to walk alone. It is a beautiful custom, this stopping for one day in the year to remember those who are beyond any other need of our services.

A friend of mine has a beautiful way of remembering the baby boy who years ago went from the home. They do not decorate the baby's grave; but on Decoration day the baby's picture is brought out and surrounded with flowers. The whole house is decorated with flowers, and all day the beauty and fragrance is a reminder of the little life that slipped away.

Birthdays are an event in this family. With each recurring birthday the family gathers at dinner time around a cake with candles on it, one candle for every year. The baby who went away is there with the rest, and when his birthday comes there is a birthday cake for him, with its one little candle for the year that never was finished. These observances I'm sure are binding the family closer together, and making of it a unit which nothing will ever be able to break.

Kidney Bean Salad.

Drain the broth from a can of beans and add to it 1-3 cup vinegar, a lump of butter, 3 tablespoons sugar, mustard, salt and pepper to taste. Let come to a boil. Chop 4 boiled potatoes, 4 or 5 cucumber pickles and 1 onion, add a little whole mustard seed and celery seed, and mix with the broth. This is fine.

Mrs. Oscar G. Russell.

R. 1, Exeter, Mo.

Maple Mousse.

Have the readers ever tried maple mousse? Take 2 tablespoons gelatine dissolved in a cup of hot maple sirup, remove from fire and beat till cool, then add a pint of thick cream which has been beaten stiff with 1 teaspoon of powdered sugar. Add 1/2 cup of finely chopped hickory nuts or walnuts, pack in a can and set in ice and salt for 3 hours.

Ray N. Lytle.

Coldwater, Kan.

Finds a Dish Dryer Useful.

I had been wanting a dish dryer but was not able to find one. So I took a dry goods box 2 feet long, 1 foot wide and 3 inches deep, and put slats across with just room enough between for a plate or saucer. I wash my dishes and dip them in a pan of very hot water, each piece as I wash it, then place them in the rack. They dry nicely and shine beautifully. I save much time in this way and have fewer tea towels to wash.

Mrs. Charles N. Roberts.

Mammoth Springs, Ark.

Cough Sirup Saved Whooping.

[Prize Suggestion.]

One ounce boneset, 1 ounce licorice, 1 ounce ground flaxseed, 1 ounce ground slippery elm, 1 quart sugar. Steep the boneset, flaxseed and slippery elm for several hours, then strain, add the dissolved licorice and sugar and boil to a sirup. It is hard to strain through a cloth, but with patience it can be accomplished. I used this last fall when our three little ones had the whooping cough, and they scarcely ever whooped or choked.

Mrs. Oscar G. Russell.

R. 1, Exeter, Mo.

Shampoo for the Hair.

[Prize Suggestion.]

Take 2 teaspoons ammonia, 5 cents worth bay rum, 1 bar of coconut soap, 2 1/2 cents worth of sassafras oil, 5 cents

worth alcohol, 2 1/2 cents worth borax, enough soft water to make 1 quart. This will cost about 20 cents and will last for months, since only a little of it is used each time the hair is washed. This recipe was furnished by a cousin who is a barber in the city. I have found it better than anything else for removing scurf from the baby's head, and when used regularly it will prevent the scurf from forming.

Mrs. Oscar G. Russell.

R. 1, Exeter, Mo.

Butterflies for Embroidery.

This beautiful collection of butterflies can be used for fancy work in an almost endless number of ways. They



10,205—BUTTERFLIES.

will make a beautiful decoration for waists, dresser scarfs, pillows—really, the ingenious woman will see almost endless possibilities. In making them the outline and long and short stitch can be combined, or the dots can be worked in solid satin stitch or in eyelet. They may be all in white, or in gorgeous reds, yellows and browns. These butterflies are prepared on a sheet for transfer to any material, and the pattern is supplied by the Mail and Breeze Pattern Department. There are four different designs of butterflies and several different sizes and positions of each, 26 butterflies in all. Any one of the butterflies can be used without using any of the others, or they can be used in sets. The entire sheet (Pattern No. 10,205) with full directions for using, may be obtained from the Mail and Breeze Pattern Department, Topeka, Kan., for 10 cents.

A Handy Kitchen Wash Stand.

[Prize Letter.]

Here is a water stand and wash bench for the kitchen that anyone can make. It is 1 foot square and 3 feet 6 inches high. For the sides and back take three

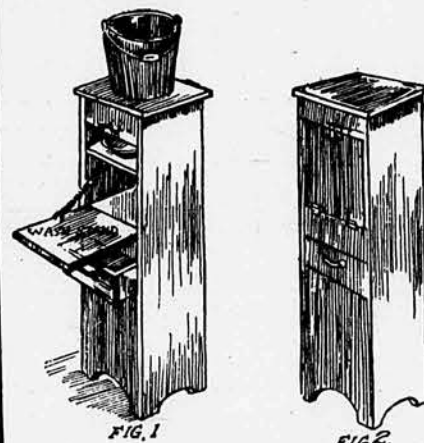


FIG. 1 TAKES NO EXTRA ROOM.

pieces of soft pine 12 inches wide and 3 feet 6 inches long. Beginning 1 1/2 inches from each corner saw out a V-shaped piece 8 inches deep. The part left makes the legs. For the front take a piece 16 inches long, and saw out like

the sides. Make the drawer 10 by 12 inches and 3 3/4 inches high. Put a piece on the front of drawer 6 inches wide to keep the drawer from sliding in too far. Above the drawer put on a 3-inch crosspiece, then make the door 12 inches square. Above the door put a 4-inch crosspiece. This brings us to the top. Let the board on top project out 2 inches all around the edge. Use ordinary cupboard door hinge and lock for putting on the door. Fasten a chain on one side, to act as a support when door is let down. This provides a handy stand for the water bucket, a place for the wash pan, a wash bench, and a place to keep the soap, and takes up only a small place in the kitchen. The material will cost about \$1.

Grover Zweifel.

Indianapolis, Okla.

Other Uses for Eggs.

[Prize Letter.]

Besides being indispensable for cooking, eggs may be used for several other things.

A mustard plaster made with the white of an egg will not leave a blister. The white skin that lines the shell of an egg is a useful application for a boil.

White of an egg beaten with loaf sugar and lemon relieves hoarseness. A teaspoonful once every hour is the dose. An egg added to the morning cup of coffee makes a good tonic.

It is said that when a fish bone is caught in the throat beyond the reach of the fingers a raw egg swallowed at once will dislodge the bone and carry it on.

The white of an egg turned over a burn or scald is most soothing and cooling. It can be applied quickly and will prevent inflammation besides relieving the stinging pain.

One of the best remedies in case of bowel trouble is a partly beaten raw egg taken at one swallow. It is healing to the inflamed stomach and intestines. Four eggs taken in this manner in 24 hours will provide the best kind of nourishment as well as medicine for the patient.

A raw egg is one of the most nutritious of foods, and may be taken very easily, if the yolk is not broken. A little nutmeg grated upon the egg, a few drops of lemon juice added, or some salt and a dash of cayenne pepper varies the flavor and makes it more palatable when taken as medicine.

The white of a raw egg is the most satisfactory of pastes. Papers put over tumblers of jelly or jam will hold securely and be air tight if dipped in the white of an egg.

Mrs. S. A. Day.

R. 1, Ridgefield, Wash.

Whipped Cream Nut Cake.

[Prize Recipe.]

One cup sugar, 1-3 cup butter, 1 1/2 cups sweet milk, 2 heaping teaspoonsful baking powder, 1 teaspoon lemon or vanilla extract, flour to make a rather stiff batter. Cream sugar and butter together, add milk. Sift baking powder and flour together four times and add to other ingredients, then add the extract. Bake in layers. For the filling take 1 cup roasted peanuts, remove the brown hulls and chop fine. Then whip cream stiff, add sugar, flavor with vanilla or lemon, spread each layer with the whipped cream and sprinkle the peanuts on each layer and on top.

Jessie Renner.

R. 2, Charleston, Okla.

SIX SILVER NARCISSUS TEASPOONS FREE.

I have just consummated a most remarkable purchase whereby I secured at a ridiculously low figure 5,000 sets of beautiful Silver Plated Narcissus Spoons made by the famous Oxford Silver Plate Company. Each spoon is extra heavy, full standard length, extra deep bowl and with beautifully embossed and engraved handles. I am going to give a set of these handsome spoons absolutely free, postage paid, to all who send just \$1.00 to pay for a year's subscription to my big farm weekly, The Farmers Mail and Breeze. Send your subscription order at once and secure a set of these beautiful and serviceable spoons. State whether you are new or old subscriber. Time will be extended one year if you are already paid in advance. Address Arthur Capper, Publisher Mail and Breeze, Topeka, Kan.

PLAY BALL

Now Boys
Send for 176 Page Catalog
No. 949B
showing everything new,
desirable—highest quality—
lowest prices in
Base Ball Goods, Fishing Tackle,
Boats, Sables, Bicycles,
Tennis, Croquet, Golf, Hammocks,
Camp Outfits, Etc.

BASE BALL
Suits—10 Grades
Made to measure, any style,
all colors. Monogram or Lettered.

We are the largest Exclusive Sporting Goods
House in the World.

Schmeltzer Arms Co.
Dept. 11 KANSAS CITY, MO.

Strickler's
Topeka Business College

Good positions every day in Bookkeeping, Shorthand, Civil Service, Penmanship. Catalogue and other information free. 111, 113, 115, 117 East Eighth St., Topeka, Kan.

Emporia Business College

The School That Gets Results
in an ideal city with clean moral surrounding. Pleasant rooms. Strong V. M. C. A. Living expenses the lowest. May enroll for a trial month. No solicitors. Free catalog. Address C. D. Long, Emporia, Kan. Box M.

FREE Literature will be sent to anyone interested in the wonderful Sacramento Valley—the richest valley in the world. Unlimited opportunities. Thousands of acres available at right prices. The place for the man wanting a home in the finest climate on earth. Write to a public organization that gives reliable information. Sacramento Valley Development Assn., Sacramento.

California

Read This Great Offer!



GET THIS \$30 KITCHEN CABINET FREE

THIS is a positive, sincere, straightforward offer. YOU may have one of these beautiful Kitchen Cabinets absolutely free of any cost.

I HAVE an easy and most remarkable plan by which one lady in each neighborhood may secure a \$30 "Gold Medal" Golden Oak Kitchen Cabinet without it really costing her a penny—without any work—without any canvassing or soliciting or public work of any kind.

Does that interest YOU? Then be quick with your request for my special free cabinet offer.

I am making an extremely liberal proposition to the first 500 members of the Capper Kitchen Cabinet Club. I want to place one of these "Gold Medal" Kitchen Cabinets in your home. It will save you thousands of steps and hours of time. It is the handiest thing you ever had in the house and as beautiful a piece of furniture as any woman can desire. I have a plan by which you may secure your cabinet **ABSOLUTELY FREE** Send Today for full particulars and see how easily you can secure one. The Gold Medal Cabinet comes in beautiful Golden Oak finish. Cabinet top 40 x 38 x 12 inches. Sanitary flour bin with glass indicator and dust-proof sifter. Large china closet, spice bin, etc. Base 36 inches high, 40 inches long and 28 inches wide, with nickel top. Large cupboard, three commodious drawers, kneading board, etc. Two-compartment removable metal bread and cake box. Room for everything you need in the kitchen.

I want one lady in each community to take advantage of this offer. Send in your name today. You place yourself under no obligations whatever by asking for full particulars. Let me send you a large illustration and complete description. Write today. Address

CAPPER KITCHEN CABINET CLUB Dept. 51
Topeka, Kan.

HOME DRESSMAKING

These patterns may be had at 10 cents each from Farmers Mail and Breeze.



- 4721—Combination corset cover and under-skirt, 7 sizes, 32 to 44 bust.
 5630—House Dress, 6 sizes, 32 to 42 bust.
 5812—Girls' Dress, sizes 6, 8, 10, 12 yrs.
 1160—Open Drawers, 9 sizes, 20 to 36 waist.
 4142—Corset Cover, 7 sizes, 32 to 44 bust.
 5641—Two-Piece skirt, closed at left side, 5 sizes, 22 to 30 waist.
 11-6-56—Wash Hat in French and eyelet embroidery, for ladies, misses and girls, one size.
 5421—Misses' and Small Women's Dress, with five-gore skirt, sizes 14, 16, 18 yrs.
 5823—Ladies' Coat, having long or short sleeves, 6 sizes, 32 to 42 bust.
 5820—Child's Dress, 6 sizes, 32 to 42 bust, sizes 2, 4, 6, 8 yrs.
 5814—Misses' and Small Women's Dress, having three-piece skirt, sizes 14, 16, 18 yrs.
 5821—Bathing Suit, 8 sizes, 30 to 44 bust.
 5826—Dressing Sack, sizes 32, 36, 40, 44 bust.
 5408—Four-Gore Skirt, 5 sizes, 22 to 30 waist.
 5372—Child's Dress, sizes 2, 4, 6, 8, 10 yrs.

Save the Wash Board, or Mother?
[Prize Letter.]

The most important economy in the home, in my opinion, is saving one's strength. Many a mother thinks it best to save her daughter's hands. As a result she overdoes her strength, and many a time she is gone just when the daughter needs her most. Let the child help the mother in every way possible; then they both will be stronger to resist the ravages of disease, and the mother may be spared to advise and comfort her daughter in her own home.

Is it a saving to wash over a wash-board when there are so many good machines, and cheap too? Is it saving to break one's back hoeing when a garden plow is so much easier, and does as good work? Is it economical to knead one's bread by hand once or twice a week the year round when a bread mixer may be had for just a small sum? Will a farmer do without the riding implements and the many other kinds of machinery that lighten his labor? Certainly not. And the wife need not.

There are many ways of saving steps which on busy days amount to so much. If you have a cellar, think what is needed and bring it all up at once. When setting the table use a tray and bring the dishes all to the table at once. When clearing away the dishes use the tray or even the dishpan. When you are peeling fruit or potatoes sit down. This does not look lazy if one will stop and think. When one must care for her own garden, she should do it in the cool of the morning and evening, leaving the housework to be done when it gets too warm to work out of doors.

Another great saving is in ironing. Do not iron the sheets, dishtowels, knit underwear, hose, etc. Fold them up when they are taken off the line. Ironing takes away the sweet smell left there by the pure air. When washing day comes, putting your clothes to soak over night will make them much easier to wash. Be careful not to wipe dirty hands on apron or towel. If you will do these and other similar things which will save your strength you may be spared longer to help in the home and will be stronger to do the duties which God intended woman to do.

Bronson, Kan. E. M. H.

Comfort for the Little Folks.

If you cannot afford a nursery chair for the little ones use a box 10 or 12 inches high with a hole cut in the top. By sandpapering the edge of hole smooth it can be made a comfortable seat. By hinging a lid to the top of box for covering when not in use it may be kept in any convenient place. I have a friend who has a hole cut in a board about a foot square for her tiny girl's use. When going visiting or on a day's shopping trip she folds this board neatly in a paper and carries it with her. Many little ones refuse to sit on strange or large seats, and this little scheme saves embarrassment. A similar seat, larger made, is convenient for elderly or delicate women in cold weather, where outdoor closets are used. It may be kept in some out of sight place in the house and folded in a large paper when taken out. Placed flat upon the regular seat, one need not come in contact with a seat which is wet with rain or snow.

E. B. R.

Hennessey, Okla.

Trial trip until January 1, 1913, for 25 cents, Mail and Breeze, Topeka, Kan.

USE THIS COUPON FOR PATTERN ORDERS.

Farmers Mail and Breeze, Pattern Department, Topeka, Kan.

Dear Sir—Enclosed find cents, for which send me the following patterns:

Pattern No. Size

Pattern No. Size

Pattern No. Size

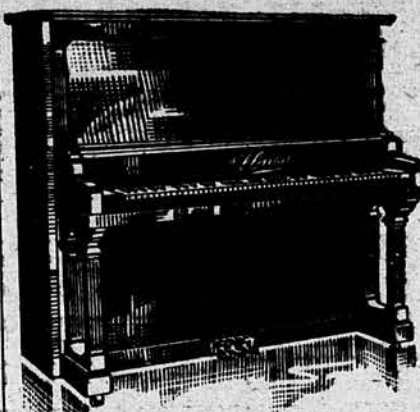
Name

Postoffice

State

R. F. D. or St. No.

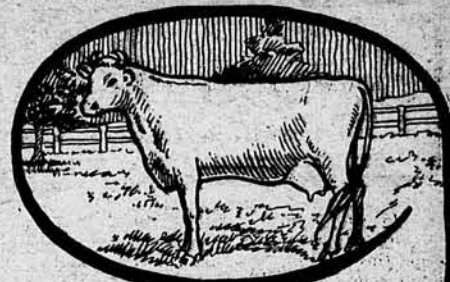
BE SURE TO GIVE NUMBER AND SIZE.

This is the Elburn H-2
The Best Piano Value
Ever Known for Only ... \$225
\$6 Monthly

Stover, Mo., March 23, 1912.
 Gentlemen—The Elburn received, today. I wish to thank you for extraordinary treatment. The piano far exceeds my expectations. This is the second piano I have purchased from the Jenkins Music Co., and I am extra well pleased.
 Wishing you success, I am,
 (Signed) LUTHER W. TAYLOR.

gratulated us on being able to sell such a piano for so little. Remember we always have on hand many bargains in Used Pianos of famous makes. Write today.

J.W. JENKINS SONS' MUSIC CO., KANSAS CITY, MO.



Any Ordinary Cow Can Earn \$6 a Month, the Amount It Would Take to Buy This Magnificent Piano.

Just think, only one of your cows would furnish the small sum required to buy an Elburn. Practically no sacrifice at all. And the pleasure the piano would bring into your home would be worth twenty times this insignificant sum. Let us send you an Elburn on free trial. You won't need to pay a cent unless you are entirely satisfied with it. If all of your friends don't say it is one of the handsomest pianos they ever saw and is worth every cent we ask you can send it back. We'll stand all of the expense.

We have hundreds of letters like the one quoted in this advertisement. Piano experts all over the country have congratulated us on being able to sell such a piano for so little.

Sheet Music latest selections of a1 or than others can. WRITE FOR CATALOG JENKINS MUSIC CO., Kansas City, Mo.

ECZEMA

CAN BE CURED. My mild, soothing, guaranteed cure does it and FREE SAMPLE proves it. STOP THE ITCHING and cures to stay. WRITE NOW—TODAY. DR. CANNADAY, 235 Park Square, Sedalia, Mo.

LADIES' WATCH FREE AND RING

Lady's size Watch, with your own initial engraved on it, stem-wind, a perfect fit—beauty, not the cheap kind; also handsome Fob and beautiful Signet Ring, all given absolutely free for circulating 12 of our high-grade 12x16 Enamelled Art Pictures. Write at once for the pictures. When dispatched, send us the \$2.00 cost, and we will send Watch, Ring and Fob. Satisfaction guaranteed. Address: Watch Headquarters, Dept. 200, Topeka, Kan.

6 Beautiful Narcissus Silver Tablespoons FREE

To Match Our Teaspoons

Extra Special 20-Day Offer
To Mail and Breeze Readers!

Here is a chance for every housewife who reads the Mail and Breeze to secure absolutely free a set of 6 of our famous Narcissus Silver Plated Table Spoons. During the past 5 years we have given away thousands of sets of these beautiful table spoons, but never before have we been in a position to make such an attractive offer as we are now making to the women folks who read the Mail and Breeze.

Owing to our large purchases we have secured a price on these spoons which we believe is about one-fourth the price any local dealer would ask for the same grade of goods.

We have searched through the silver plate markets of the world and have never been able to find, at anything near the same cost, goods of such remarkable wearing qualities and of such beautiful design as this justly famous Narcissus set.

Full Standard Length and Weight

These are not small sized dessert spoons which are usually offered as premiums. These spoons are all full standard table spoon size, 8 1/4 inches long—handle 5 1/4 inches long, bowl 3 inches long and 1 1/4 inches wide. They are silver plated and handsomely engraved and embossed in the beautiful Narcissus design, same as the Narcissus teaspoons which we have been giving away for more than two years. Bowl is highly polished and the handle finished in the popular French gray style. The Narcissus design extends the full length of the handle on both sides. The gray finish of the handle contrasts with the bright polished bowl and produces an effect that is decidedly pleasing.

We could send you hundreds of enthusiastic letters from those of our readers who have received these spoons on other offers we have made in the past. We know they will please you, too, and if they don't you can send them back within 5 days and we will cheerfully refund every penny of your money.

Here Is Our Offer:

For the next 20 days, or as long as our supply lasts, we will give one set of 6 Narcissus Table Spoons free and postpaid to all who fill out the coupon printed below and send \$2 to pay for a three-year new, renewal or extension subscription to Farmers Mail and Breeze.

We will send one set free and postpaid for three one-year subscriptions to the Mail and Breeze at our regular rate of \$1 per year. One of these subscriptions may be your own renewal, but the other two must be new subscriptions.

If you want to be sure of securing one of these beautiful sets before our offer is withdrawn clip out the coupon and send it in today. Address

FARMERS MAIL AND BREEZE,
TOPEKA, KANSAS.

Use This Coupon Now!

Publisher Mail and Breeze, Topeka, Kansas.

I am enclosing herewith \$2 to pay in advance for a three-year subscription to Farmers Mail and Breeze. You are to send me as a free premium, postpaid, one set of 6 full size Narcissus Silver Plated Table Spoons.

This is a (new) (renewal) (extension) subscription.

Name

Address

(If you send 3 one-year subscriptions use a separate sheet of paper for the 3 names.)

FARMERS CLASSIFIED PAGE.

Advertisements will be inserted in this department at the low price of 5 cents per word each insertion for one, two, or three insertions. Four or more insertions only 4 cents per word each insertion. Cash must invariably accompany the order. Remit by postoffice money order. No order taken for less than \$1. This does not mean that a single insertion of your ad must cost \$1, but that your total order must reach \$1. All advertisements set in uniform style. No display type or illustration admitted under this heading. Each number and initial letter counts as one word. Guaranteed circulation over 104,000 copies weekly. Everybody reads these little ads. Try a "Farmers Classified" ad for results.

SEEDS AND NURSERIES.

COWPEAS for sale. D. J. Yoder, Haven, Kan.

COWPEAS—New Era. S. Ramsey, Mayfield, Kan.

ALFALFA SEED direct from grower, \$7.00 and \$8.00 per bu. Sacks 25c. G. A. Chapin, Belleville, Kan.

GOOD clean improved Whippoorwill cowpeas, \$2.25 per bu. Phil Richard, Sand Creek, Okla.

LARGE Whippoorwill cowpeas, hand picked, \$2.10 per bushel. Henry Elkins, Aline, Okla.

STARK Bro's, Louisiana, Mo., big idea in tree selling. Best terms known to nursery world. Box 98.

WRITE for prices on high grade western grown nursery stock. Salesmen wanted. Brown's Nurseries, Hutchinson, Kan.

HARDY BERMUDA roots, \$1 per bran sack, 6 sacks \$5 f. o. b. Santa Fe, Rock Island or Frisco. M. E. Shockley, North Enid, Okla.

COWPEAS for sale. I have some first class Whippoorwill cowpeas. Well cleaned and in nice shape. Price \$3.00 per bushel. H. S. Davis, Amorita, Okla.

ALFALFA SEED—Offer extra quality alfalfa seed, non-irrigated, \$9.00 bu., delivered any station in state Kan. Sack free. Sample sent on request. L. A. Jordan, Winona, Kan.

FOR SALE—Short Orange cane seed. A special sorghum cane for syrup purposes—From ten days to two weeks ahead of any of the earliest around here. It is very sweet and makes large yield of syrup. A vigorous grower and does not blow down. C. P. Nettleton, Lancaster, Kan.

PLANTS—Early and late cabbage 25c per 100, \$1.75 per 1,000. Tomatoes, Early Tree, Dwarf Champion, Kansas Standard, Stone, Matchless, Beauty, 25c per 100, \$2.00 per 1,000. Sweet potatoes, Yellow Jersey and Nansmond, 25c per 100, \$2.00 per 1,000. Not prepaid. F. P. Rude, North Topeka, Kan.

DROUTH resisters, sure crop, Dwarf milo. The new, improved, straight top heads. Grows 3 to 4 feet high. Dwarf, black hull Kafir, a very early kind, no smut. I have just threshed these grains and they are ready for planting. Every enterprising farmer should plant at least 40 acres of these grains. Write for pamphlet on how to plant and raise these grains. A. G. Scribner, Eldorado, Kan.

FOR SALE.

MOTOR BUGGY—Rare bargain. J. E. Frampton, Lamar, Mo.

FOR SALE—Twenty-five thousand hedge posts. H. W. Porth, Winfield, Kan.

FOR SALE—Moving picture film 1c foot. Moving picture machines \$40. H. Davis, Watertown, Wisconsin.

THREE GREAT PIANOS—Steinway, Steck, Vose. Write for prices. Jenkins Music Co., Kansas City, Mo.

ASH GROVE No. 1 alfalfa hay \$12 f. o. b. Gem. June delivery. Weights and quality guaranteed. K. C. Knudson, Gem, Kan.

AUTOMOBILE for sale. 5 passenger, top and headlights, solid tire, shaft drive, nearly new. A bargain at \$750.00. Emmett Taylor, Lawrence, Kan., Rt. 7.

FOR SALE—45 H. P. gasoline engine never used, weight 475 lbs. A good engine for threshing or general farm use, \$165.00. 110 Fillmore St., Topeka, Kan.

LONG GREEN leaf tobacco to chew or smoke. The kind you've been looking for. I ship any quantity 20 cents pound, 100 pound shipments delivered. True Cutler, Holt, Mo.

SYRUP—Pure Louisiana sugar cane syrup. Put up at the mill in sealed cans. Six one gallon cans at \$4.00; 12 half-gallon cans for \$4.25. All delivered. Address Mary & Tuma, Washington, La.

FOR SALE OR EXCHANGE.

FARMS bought, sold and exchanged anywhere. No commission. Farm Bureau, Dept. 9, Jacksonville, Illinois.

SELL OR EXCHANGE your property quickly no matter where located. Information free. Lock Box 935, Wichita, Kan.

FREE BOOK 600 farms and other property for exchange by owners, all parts country. Blackwell Real Estate Co., Blackwell, Okla.

FOR EXCHANGE.

WANT TRADE—Combination scholarship in a reliable Kansas City business college for a full set of carpenter's tools. Fred M. Fleming, Cherryvale, Kan.

HORSES, CATTLE, HOGS, SHEEP.

FINE BRED St. Lambert Jersey male calf. Edward Hunzicker, Colony, Kan.

REGISTERED yearling Hereford bull. Sixty dollars buys him. F. R. Machin, Russell, Kan.

RED POLLS—27 year breeder of best farmers' cattle that live. Bulls for sale. D. F. Van Buskirk, Bluemound, Kan.

POLAND CHINA boars of the best big boned breeding. Priced to sell. Laptads Stock Farm, Lawrence, Kan.

FOR SALE—Registered Holstein's heifer, 3-yr.-old. Bull, 2-yr.-old. A bargain for quick sale. W. A. Schreier & Son, Argonia, Kan.

DUROC-JERSEY boars, a combination of Tatarax and Top Notcher blood lines. Prices reasonable. Laptads Stock Farm, Lawrence, Kan.

JACK FOR SALE—Kentucky. Breeding fine individual, five years old; can show fine colts. \$500 or will trade for mares. D. W. Little, Conway Springs, Kan.

DOGS.

SCOTCH COLLIE pups, good color and good workers. Address A. W. Toews, Inman, Kan.

FOR SALE—Six trial hound pups, from old stock. Good stayers, cheap. Box 146, Council Grove, Kan.

FOR SALE—One fancy Scotch collie bitch one year old. Farm raised. E. B. Peterman, 2057 South Water, Wichita, Kan.

LANDS.

HOMESTEADS—Special information. Riverside Kolona, Harrison, Ark.

FOR SALE—423 acres improved land in Pratt Co. In the great wheat belt. Levi J. Tobias, Rt. 1, Box 424, Iuka, Kan.

CAN GET YOU CASH for your property, no matter where located. Owners only. Great Western Realty Co., Gallatin, Mo.

\$5 DOWN, \$5 monthly, buys 40 acres near town, southern Missouri. Price \$160.00. Other bargains. Write for list. Box 372, Carthage, Mo.

FOR SALE—At Manhattan, Kan.; four room cottage; two blocks from college campus; nice location for college students. George Wheeler, Tyro, Kan.

GREAT combination. Soil—moisture—climate. Wonderfully productive, good location, close to Ft. Lauderdale, Fla. Prices on application. G. W. Clark & Co., Perry, Okla.

FOR SALE—Quarter section medium black rice land, mid-coast country, Texas. I guarantee this land to pay 8 per cent on the investment. For description address F. L. Giddings, Burns, Kan.

FOR SALE—\$1,000.00 cash will handle this 200 a. grain and stock farm in Pike Co., Mo., 3 1/2 mi. R. R. town, 1 1/2 mi. to gravel road to 3 good towns; will take some trade. G. R. Miller, Bowling Green, Mo.

\$5,000 TO \$10,000 per year in the real estate business. I will teach you how and make you my special representative. Send for my big free book. J. P. Sallee, Pres., 802 Reliance Bldg., Kansas City, Mo.

DELAWARE FARMS—Money making farms throughout the entire state, \$15 an acre up; live-stock, implements and crops often included. We offer best bargains, and pay buyer's railroad fare. Catalog free. Ford & Reis, Inc., Dept. 103, Wilmington, Del.

STOCK FARMS and small ranch tracts. We will sell from the famous Spur Ranch (Texas) tracts from one section upward. Ideal cattle region, with enough fine farming land to raise winter feed. Are also offering straight farming lands beside the combination with grazing. For full particulars, address Chas. A. Jones, Manager for S. M. Swenson & Sons, Spur, Dickens county, Texas.

FOR SALE—Stock and wheat farm, 540 acres, three miles northeast of Cheney, Sedgewick county, Kansas. 220 acres bottom land, 110 acres higher, 210 acres pasture fenced with living water. Good improvements, fruit, catalpa timber. German Lutheran community, joining Lutheran church and school. One-third 140 acres wheat, and of spring crops goes. Priced low. Can assume mortgage, \$6,000.00. C. W. Whitelaw, Administrator, Cheney, Kan.

LANDS.

SELL YOUR PROPERTY quickly for cash. No matter where located. Particulars free. Real Estate Salesman Co., Dept. 5, Lincoln, Neb.

OREGON and southern Washington. Write before investing or coming West, so you can learn the facts about the Oregon country, its attractive climate and its agricultural and other opportunities. Official information gathered and vouched for by over 150 commercial organizations and by Oregon State Immigration Commissioner will be sent free on request; all inquiries answered in painstaking detail. For full information write to Room 637, Portland Commercial Club, Portland, Oregon.

FARMS FOR SALE.

ADVERTISE YOUR PROPERTY in Kansas Weekly Capital for quick and sure results. 100,000 circulation guaranteed—among best farmers in Kansas. Advertising rate only 25c per line of seven words. Address Kansas Weekly Capital, Adv. Dept., Topeka, Kan.

FARM WANTED.

WILL BUY good farm. Well situated. Owners only. Give description and price. Addr. Coens, Box 754, Chicago.

FARMS WANTED.

FARMS WANTED—We have direct buyers. Don't pay commissions. Write describing property naming lowest price. We help buyers locate desirable property free. American Investment Association, 28 Palace Bldg., Minneapolis, Minn.

MALE HELP WANTED.

WANTED Aviation apprentices for latest type racing monoplane. Instruction free. Box 3b, Girard, Kan.

YOU ARE WANTED for government position. \$80.00 month. Send postal for list of positions open. Franklin Institute, Dept. B 55, Rochester, N. Y.

WANTED—Post office clerks, city and rural carriers. Thousands needed. Examinations soon. Trial examination free. Write today. Ozment, 38, St. Louis.

WANTED—Reliable man to sell nursery stock. We have a splendid position to offer. Write today for particulars. James Trullitt & Sons, Nurserymen, Chanute, Kan.

SALESMEN wanted in Kansas, Oklahoma, Missouri and Arkansas. Work full or part time, as you prefer. Pay weekly. Outfit free. The Lawrence Nurseries, Lawrence, Kan.

WANTED—Active man in every lodge. To join this Society. Carry its sick, accident, death benefits. Get friends to join. Spare time. \$50 to \$150 a month. Write for particulars. Box BQ-293, Covington, Ky.

500 MEN 20 to 40 years old wanted at once for electric railway motormen and conductors; \$60 to \$100 a month; no experience necessary; fine opportunity; no strike; write immediately for application blank. Address F. care of Mail and Breeze.

MAIL CLERKS; Carriers; Clerks in Patent Offices; Agriculture; Treasury; Army; Navy; and other departments at Washington, wanted by Government. Excellent salaries. No "layoffs." Short hours. Annual vacations. Position would be yours for life. Examinations everywhere soon. Common education sufficient. Thousands of appointments coming. "Pull" unnecessary. Farmers eligible. Write immediately for sample questions and large illustrated book telling duties and giving full particulars. Franklin Institute, Dept. B 55, Rochester, N. Y.

LOCAL REPRESENTATIVE WANTED. Splendid income assured right man to act as our representative after learning our business thoroughly by mail. Former experience unnecessary. All we require is honesty, ability, ambition and willingness to learn a lucrative business. No soliciting or traveling. This is an exceptional opportunity for a man in your section to get into a big paying business without capital and become independent for life. Write at once for full particulars. Address E. R. Marden, Pres. The National Co-Operative Real Estate Company, L 167, Marden Building, Washington, D. C.

FEMALE HELP WANTED.

WOMEN AND GIRLS wanted to sell our up-to-date line of beautiful Post Cards; very latest styles; enormous demand; our agents make \$2 to \$8 a day in spare time; no talking or peddling necessary; our special copyrighted selling plan and a big package of beautiful samples for only 2 cts. to pay mailing expense if you mean business. Butler Post Card Co., 65 Capital Block, Topeka.

AGENTS WANTED.

WANTED—Men in every town in Mo., Kan., Ill., Neb., Okla., Ark., to take orders for nursery stock. Outfit free. Cash weekly. National Nurseries, Lawrence, Kansas.

WANTED—Energetic, reliable men as local agents; cash each week; outfit free. Get terms before your territory is covered. The Ince Nursery Company, Lawrence, Kan.

WANTED—Five general agents in the state of Oklahoma. Mail application giving detailed information concerning past record with one bank reference. Circulation Department, Farmers Mail and Breeze, Topeka, Kansas.

WE WANT AGENTS. Write us today. We have a splendid proposition for you. \$5 per day easily made working for us. Write now and receive our catalogue of articles we manufacture and high grade premiums. Address Box 1265, Edina, Mo.

SITUATION WANTED.

YOUNG MAN wants steady work on farm, also elderly man wants work on farm such as gardening and milking; both steady, reliable. George Stevens, Cave Springs, Ark.

WANTED.

WANTED—To buy hedge posts for cash in carlots. Box 202, Winfield, Kan.

WANTED—Automobile as payment on section of grass land, very cheap at \$5 bonus. Max Vance, Seymour, Tex.

WANTED—Salesladies and gentlemen. \$5 to \$8 a day selling guaranteed article. Experience unnecessary. Write Incandescent Supply Co., Wichita, Kan.

RELIABLE men and women to sell our line of teas, coffees, baking powder, extracts, spices and grocers' specialties to the consumer; write for 40-page catalog. American Tea Co., Inc., Coffeyville, Kan.

PATENTS.

STEWART BROWN, Patent Attorney. Write for particulars. Address Wichita, Kan.

SEND FOR FREE BOOKLET, All About Patents and Their Cost. Shepherd & Campbell, 500 C. Victor Bldg., Washington, D. C.

PATENTS BRING RICHES when of value. Our free books cover the subject. We give personal service. Wide experience. Trade marks registered. Write today. Beeler & Robb, 241 McGill Bldg., Washington, D. C.

PATENTS THAT PAY. \$427,530 made by clients. 2 books—"What and How to Invent—Proof of Fortunes in Patents" and 112-p. Guide free! E. E. Vrooman, Pat. Atty., 885 F St., Wash., D. C.

HOME CANNERS AND SUPPLIES.

BEST HOME CANNERS. All sizes. Latest methods. Illustrated literature free. Headquarters for cans and labels. Write today. Royal Canner Company, 67 News Bldg., Chattanooga, Tenn.

TYPEWRITERS.

OLIVER VISIBLE TYPEWRITER for sale cheap. Perfect condition and does splendid writing. Could send on trial. Charles B. Rickart, Route 5, Rosedale, Kan.

AUCTION SCHOOL.

MISSOURI AUCTION SCHOOL, largest in world. Own largest living mule. 1404 Grand, Kansas City.

PRINTING.

WEDDING invitations and announcements printed or engraved. The Mail Printing House, 123 W. 8th St., Topeka, Kan.

MISCELLANEOUS.

HARNESS—Our harness is correctly made and prices right. Write for catalogue. Ed Klein, Lawrence, Kan.

LIGHTNING destroys homes. Why not protect them with our copper cable? We sell direct to customers. Kinzie & Mellenbruch, Hiawatha, Kan.

IF YOU WANT to send a Kansas paper to your friends, subscribe for the Kansas Weekly Capital—a whole year for only 25 cents. All the Kansas and Topeka news of the Daily Capital boiled down. The best weekly newspaper in the U. S. for the money. Address Kansas Weekly Capital, Dept. 14, Topeka, Kan.

Are the Collars All Right?

[Prize Letter.]

Mr. Editor—Many farmers do not believe in using sweat pads or cotton collars but for my part I think there is nothing like a sweat pad for a horse with poor shoulders. A good, solid, hair stuffed, leather collar is best for most horses but if you do not take good care of it, especially on a colt, you are sure to have trouble. With many farmers it is the same old collar in the

same old way. When a sore appears put on a sweat pad, take out some of the padding over the sore and keep the sore clean. It will soon disappear. Big balls on the shoulders can be done away with in a short time even during hard work in the same way. If a collar is properly fitted there is no need of cutting them out, thus making a bigger sore. Do your cutting on a 35-cent sweat pad or old collar making a soft place to take off most of the draft from over the sore.

For a plow collar two thick and long sweat pads may be used without a collar and this will work all right if the load is not too heavy. I keep a "Humane" collar on hand to use whenever a horse happens to develop a sore. They are also fine to use on a horse with fistula. I would like to hear from farmers who have used steel collars. Woodbine, Kan. O. H. Gugler.

Trial trip until January 1, 1913, for 25 cents, Mail and Breeze, Topeka, Kan.

The Ads Are Dependable Too.

Mr. Editor—I have been a reader of Farmers Mail and Breeze for several years and I don't think a better farm paper could be found. I have also bought registered Jersey cattle through its columns of advertising and am well pleased. V. E. Swenson, Little River, Kan., April 29, 1912.

Next to marrying rich the best pull seems to be to raise alfalfa hay.

Farm Loans in Europe

(Continued from Page 3.)

are run by farmers, often in the back room of a store or in a farmer's house. The stock pays a small dividend, usually 3 or 4 per cent, though these banks are not run primarily to pay dividends to stockholders as in the case of regular banks. The failures in the case of these rural banks are about one-third as frequent in proportion to their number as in the case of the regular commercial banks. They are, of course, under the strictest supervision of the government. The objection we hear in this country that they would not be safe is absurd. Such organizations are safe in Germany, France and Austria. Are the farmers of this country not as intelligent as those in these European countries?

There are 15,000 co-operative organizations in Germany doing an aggregate business of nearly 4 billion dollars per year.

A rural bank plan like the following has been proposed as suitable to a state like Kansas. The farmers of a locality like Larned would form a local rural branch bank, paying in for capital stock \$10,000. There would be a central bank located in the capital of the state or elsewhere. The local bank would invest one-fourth of its \$10,000 in stock in this central bank, as would all the other local branches. The officers and directors of the local bank would be chosen by its stockholders, each stockholder casting one vote, whatever the amount of his stock.

Farmer A has a quarter section he values at \$10,000. He wants to borrow \$5,000 on it. The local directors after consideration decide to secure \$4,000 for him. They haven't the money on hand, but they pass it up to the central state bank. The experts in this central bank pass upon the security. They issue a bond secured by the mortgage on the farm. The bond is perfectly good. It has behind it the guarantee of the central bank also of the local bank and the land itself. These bonds would be listed for investment in the markets of the country. They would be a favorite form of investment, as safe as any other investment could be. They are so regarded in Europe. The farmer would pay 4 or 5 per cent interest on his mortgage. Nothing particularly dangerous or revolutionary about this surely! Mighty little, too, that is paternalistic about it. It is a co-operative business proposition, pure and simple.

It is objected that it might interfere with the business of mortgage loan companies handling New England or other eastern money in the West and that it might compete seriously with the regular commercial banks.

Well?

They do some of these things better in Europe. When it comes to the matter of really doing something in the interest of the people as a whole many European countries are ahead of us. President Taft said recently that the American people are the most conservative in the world. And that is just the trouble.

In France the government lends money to the farmers at 3 and 4 per cent on grain, wine and other products put in storage and held for the market. That would be considered dangerous, paternalistic and socialistic in this country. But it is thought to be just about the right thing that the government, which is really the people in their collective capacity, should accept the people's money under the postal savings bank plan, paying 2 per cent on it, re-depositing it in the local national banks which can lend it out, all but 30 per cent of it, to the people at 6, 8 and 10 per cent. That is all right. That is real business. Maybe so, but it is also special privilege. Why couldn't 50 per cent of this postal savings money be loaned locally on farms and other real estate at 4 or 5 per cent?

I know a gentleman of means who has two sons who are farming in Idaho. He tells me that farmers there pay 12 per cent for money. Much of this money is secured from the East at 4 per cent. In South Africa, under similar circumstances, that is, in a new agricultural country, the local government itself lends money on land to run as long as 30 years at 5 per cent. And yet that South African country doesn't seem to be going to the dogs under such paternalistic folly!

We have great freedom in this country politically. We can come and go as

we please. We are not under the surveillance of the police constantly when we travel as in Germany and other countries. We have great freedom, even freedom to exploit our fellow men as almost nowhere else in the world. We are not bossed by men with titles. We know that the poorest boy may become president of the United States, and all that. But personally I am not so very fussy about the form of freedom. I haven't very high regard for kings and dukes and other gentlemen with titles, but after all I shouldn't be so very particular whether I were oppressed by a man we call a king or by plain J. P. Morgan and his associates. The results would be about the same if the oppression were the same in both instances.

We are told so often in this country that we are "free" that we feel we ought to believe we are free in all respects, and there are not wanting excellent gentlemen who tell us that the farmers and the people generally are foolish, are quite out of their sphere, when they concern themselves about the money question. That, they tell us, is a question for professionals, for those who are dealing in the country's money, for those who know. An increasing number of us are getting skeptical about that, and are pretty firm in the conviction that bankers are like other men, like you and me in this, that if they have control of a great national, necessary interest, affecting all the people, they will quite likely control it primarily for their own profit if the control is turned over to them. The people, especially the farmers, therefore, must be constantly alert on the question of the money of the country and its control.

By the way, here is an interesting consideration. The most characteristic thing, the outstanding thing, about money and banking in Germany is the Raiffeisen system, or the rural banking system. And yet our great monetary commission sent to Europe to investigate the European monetary systems apparently couldn't find this great banking system at all. Why?

Clasen Sells Duroc-Jerseys.

George M. Clasen, Union City, Okla., has sold 20 head of Duroc-Jersey hogs during the last 60 days through his advertisement in Farmers Mail and Breeze. This will be good news to all hog men and is in line with the statements Farmers Mail and Breeze has made, repeatedly, that as soon as the spring crops started the demand for hogs would become manifest. There is a great shortage of porkers among the farmers and no farmer can enjoy maximum profits from his products without the aid of the hog. In Mr. Clasen's territory the crops are further advanced than in Kansas but the same conditions exist in Kansas as in Oklahoma with reference to the hog shortage, and as soon as Kansas farmers get their crops well started, which will be within the next two weeks, with favorable weather, the demand for hogs in Kansas will be stronger than for the past two years.

The first three months of 1912 Mr. Clasen did not receive an inquiry for hogs, though his ad was running all the time. The conditions were not right—corn selling at 95 cents a bushel and shorts at \$1.75 per cwt.—but now that the alfalfa is good and the wheat and oat prospect the best Oklahoma has ever seen the farmers are wanting hogs and they are wanting them mighty badly. Every breeder should look to his pig crop. Every pig should be saved and kept coming from the start. They will be worth while before the snow flies again.—F. H.

Buy Tires on Pedigree.

You wouldn't pay out your money for a cow, because the seller told you it was a good one. You wouldn't buy a "scrub," even if its price was cheap. You want a cow that has a record back of it, a cow you are sure will give high per cent milk and plenty of it. The matter of tires for your automobile is just as important. You should in fairness to yourself, be just as careful in selecting tires as you are in selecting livestock. The highest priced car is no better than the tires it rides on. A poorly made tire, of shoddy material, will mean constant trouble, constant expense, and constant danger of delay at a critical moment. A "cheap" ordinary quality tire is a poor buy—a costly experience. Get tires with a record of efficiency and service. We have interviewed Mr. H. S. Firestone on the subject, because as head of the Firestone Tire and Rubber Co. of Akron, Ohio, he is essentially fitted to know the facts. Firestone Tires have had an unparalleled record of 10 years without an off season in perfect service rendered. They hold all records for durability and speed. Mr. Firestone said: "A tire to be really serviceable should have the sturdiest, highest grade fabric in

it. This fabric should be made of the finest Sea Island cotton, and even then must be subjected to the strictest inspection and the severest tests. Firestone fabric, for example, is tested to stand a strain of 350 pounds to the square inch, and every inch must show, under the microscope, the required number of threads. We throw back carloads of fabric every year which hasn't passed the test. The rubber, too, must be of the finest quality para. Every step in its preparation must be closely watched—every inch of tire inspected. It would fill a volume to tell you the various stages necessary to make a tire, such as the Firestone. This will, however, indicate the work and costly necessity of attention to the smallest detail, to obtain a really serviceable tire. Results cannot be given without this care, without this rarest material, and skilled workmanship." We advise every car owner to write the Firestone Tire and Rubber Co., Akron, Ohio, and get the full facts. Their book "Minor Repairs and the Care of Tires" makes mighty good reading and study for any present or prospective car owner. See ad on page 11. Mention Farmers Mail and Breeze when writing.

The Innocent (?) Fly.

Remember those verses you used to hear when you were just a little chap, about the spider and the fly? How, when the spider had his traps all fixed and then invited the fly into his parlor, you used to be sort of afraid that maybe the fly would get caught, and breathed a sigh of relief when he escaped from the wiles of the treacherous enemy? In those good old days the fly seemed to be a nice little fellow, but long acquaintance with him has revealed his true character. He is really the meanest, most exasperating creature on earth. It doesn't make any difference whether you are in the house or the fields, the flies are there first, and torment you with relentless energy. But it is the horses and cows which are practically unable to protect themselves, who suffer most from the flies. The poor animals go nearly crazy with pain and nervousness. And naturally in this condition horses can't do the work they ought to do nor cows give the quantity of milk you should get. In fact, animals injure and tire themselves more by fighting flies than by work. Twenty-six years ago a farmer who recognized the great loss caused by flies discovered a preparation which gave perfect protection to his own stock. He found that his cows gave 3 1/2 to 5 quarts more milk daily, and his horses did double the work when kept free from flies by his new preparation. Such a discovery was of too much value to all farmers and dairymen to be kept to himself, so he formed a company to manufacture Shoo-Fly—the name he appropriately gave his new article—and now for over a quarter of a century Shoo-Fly has been successfully protecting the animals of thousands of farmers all over the country. If your dealer doesn't have it, the Shoo-Fly Manufacturing Company, Dept. N, 1310 N. Tenth street, Philadelphia, will send for \$1 enough of their preparation to protect three cows for a month, with their patented three-tube sprayer. Their faith in their article is so great that if it doesn't protect your animals to your satisfaction they will return your dollar. Every farmer and dairymen should at least send for the booklet telling about this valuable fly-repellent, which will be sent free.

Dutch Cleanliness in the Dairy.

The cleanliness of the Dutch has become proverbial. These thrifty people are very severe in the condition in which they keep their dairy and home. The most advanced dairies in America have this same true sense of protection, knowing that sparkling cleanliness brings purity of product. Such a state of perfect dairy conditions exist wherever the best, purest and highest paid butter and cream are produced. Cleanliness naturally tends to better quality—hence higher prices are obtained. In this connection we are often reminded of the Old Dutch Cleanser lady with her stick up-raised "chasing dirt." In advanced dairies Old Dutch Cleanser is used to clean practically everything. It is good for the churn and all utensils—wooden ware and anything about the dairy. It keeps everything spick and span.

This new improved hoist made by the Universal Hoist & Manufacturing Co., of Cedar Falls, Ia., is meeting with great favor among farmers and others because of the many uses to which it may be put. It can be used any place for pulling a rope or cable and enables the owner to make his gas engine do the heavy lifting that he would otherwise be obliged to do by hand. The Ideal Hoist has a lifting strength far greater than the 1,500 pounds capacity considered ample for any ordinary work, and hence may be used without fear of its breaking. It is made very simple with few parts, thus eliminating the liability of breakage, making it simple to operate and reducing its cost. Farmers particularly realize the advantage of the Ideal Hoist during haying time as it will operate the hay fork or sling and save practically all the hard work that is usually done by the man of the load. No need to unhitch and hitch the team every time a load is brought in. Just start the gas engine and the load is whisked into the barn in a few minutes. Saves the expense of an extra team when used in connection with a stacker. Also useful for elevating and unloading corn, grain, etc., for hoisting building material, ice, excavating or grading, loading manure, corn shocks, driving piles or posts, drilling and driving wells, and hundreds of other hard tasks the Ideal Hoist will be found a time, labor and money saver. A pull-back drum attachment allows for pulling back empty hay carriers or other machinery that may be used in connection with the Ideal Hoist. It is usually made with chain and sprocket drive although the makers are prepared to furnish it with belt drive where this is preferred. Anyone desiring further information can secure full particulars by writing the manufacturers. Address Universal Hoist & Manufacturing Co., 105 State St., Cedar Falls, Ia.

MAIL AND BREEZE THREE MONTHS FREE.

Write us the names and addresses of 25 farmers in your county whom you think will be interested in a sample copy of the Mail and Breeze, and for your trouble we will send the Mail and Breeze three months free. This offer is good for new subscribers only. Address Mail and Breeze, Topeka, Kansas.

Save Your Alfalfa



Use Metal Stack Covers

They last for years and will not rust—can be adjusted to any size stack, will save its cost the first season. For price list and full particulars address THE KANSAS METAL GRANARY CO., WICHTA, KANSAS.

CRIB CORN AND ALL GRAIN Without A Scoop!

Don't half kill yourself and huskers—crib your corn the easy way with a Little Giant. One man or boy unloads and elevates 50 bu. to 100 bu. in 3 to 5 minutes. Good huskers easy to get and they work for less money. Corn all cribbed in plenty of time. Saves you hundreds of dollars. Saves work, time, worry. Made of finest lumber and steel. Write for catalog. If you are going to build or remodel any kind of crib or bin ask for our book of plans—saves you enough to pay for a "Little Giant." Portable Elevator Mfg. Co., 1204 E. Main St., Bloomington, Illinois.



As a Candidate For Governor of Kansas These Are the Things I Stand For

For revision of taxes downward—on city, county and township as well as state taxes.

For the strictest economy in public expenditure—a dollar's worth of service for every dollar of the people's money.

For all legislation which eliminates useless officials, clerks, commissions and boards, usually created to give jobs to political leeches and grafters.

For the civil service and merit system in the transaction of all business of the state.

For consolidation of boards and other public offices wherever possible.

For salaries for county officials instead of the present fee-grabbing system.

For a more efficient primary law, including a presidential preference, and the fullest publicity to campaign expenses and contributions, and the elimination of the slush-fund in politics.

For government by the people and not the bosses, the politicians and favored special interests.

For the election of state and county officers for a term of four years, subject to recall, and making state officers ineligible for more than one term.

For the election of United States senators and all officials by direct vote of the people, and for the non-partisan election of judicial officers.

For abolition of life terms of office of federal judges and substitution thereof of limited terms.

For an amendment to the present inheritance tax law, exempting all direct heirs up to \$25,000.

For the state publication of school books and distribution to patrons at actual cost.

For the Initiative, Referendum and Recall.

For a practical, sensible good roads law, that will do away with the wastefulness and inefficiency of the present system.

For the assessment of real estate every four years, and abolishment of the office of county assessor, except in counties where the office is created by vote of the people.

For less technicality and speedier justice in courts.

For legislation to increase the efficiency of the rural and grade schools.

I am opposed to the resubmission of the prohibitory amendment and am for the strict and impartial enforcement of all the laws of the state without fear or favor, for rich and poor alike.

For amendment of the present game law, including protection of quail for at least five years.

For a law to give to a convict's dependent family a portion of his earnings while in the penitentiary.

For more farmers and business men and fewer lawyers and politicians for legislative work.

There are too many useless and foolish laws in this state. I favor their repeal or revision.

I favor prison for the big thieves as well as the small ones, and am opposed to paroles for bankers.

For substantial tariff reductions to the lowest basis that will support the American standard of wages.

For a law that will effectively stamp out the white slave traffic.

For public officials who respect their oath of office and who regard their campaign promises as a binding agreement with the people who elect them.

If you believe this is a platform farmers should vote for and support I shall be glad to have you mark it or clip it from the paper and hand it to your neighbor.

Arthur Capper

MARKET PROBABILITIES

Short Receipts are Still Driving Cattle Upward and 10-Cent Beef Is Expected Before Fall—Hogs and Sheep are Slightly Off But Former are Bound to Come Back Soon—Grain and Hay Continue Down.

[Written Specially for the Farmers Mail and Breeze.]

Another light Monday supply of cattle at western markets forced additional advances of about 10 cents over last week's rise, and the market now is on new high ground. In Chicago some steers brought \$9.40; St. Louis quoted steers up to \$9.25, and the top price in Kansas City was \$9.15. Such prices are high records for this season of the year and the previous record of \$10 and better was not paid until the fall of 1910, when cattle were of much better quality than at present, and some of them were show steers and offerings for the Christmas steers. Figuring on the normal advance, that usually prevails in the fall over spring prices, it is pretty safe to say that prices for cattle this fall will attain the 10-cent level again. The higher prices go the more nervous the market appears. Both buyers and salesmen accept present conditions as unusual, and any tendency to sway the price level either way is met by eagerness to let go. The most potent factor considered is the increasing supply of grass fat cattle. So far the supply has been small, but according to traders it is liable to cut loose at any time and effect a big break in prices. For that reason more attention is paid to the quality of the offerings at river markets than to the supply in Chicago. Up to this time receipts in Chicago have been as large as in the corresponding time last year, but last week's supply there gave strong indication that final shipments were being made and that decreases would prevail from now on. The exact position of the cattle market last week was a 15 to 25-cent advance on the good to choice steers, and only a slight net gain for the half fat kinds. Fed grades from now on will be unusually scarce, and a still wider spread is expected in the range in prices.

Split for Butcher Cattle.

While the better grades were higher, the weakness on the plain and common kinds was increased. This held good for butcher stuff as well as steers. Some Kansas heifers weighing 752 pounds sold in Kansas City at \$8.15. There are two distinct markets for butcher cattle. Quality or lack of it refers the various grades to the proper department. The fed grades are in strong request and last week followed the advance in steers. The plain kinds, and nearly all grassers meet an indifferent demand and were lower. This has resulted in a big spread in price, and the gap will widen both ways, as the season advances. The tidy weight heifers and steers and heifers mixed have sold above \$8, and indications are that something prime would bring \$8.50 or better. Prices for vealers continue to fluctuate, though they are about steady with a week ago.

Stocker Supply Inadequate.

Slight recessions occurred in prices of plain stockers and feeders, but the best grades are still selling as high as ever. Veal calves continue steady. Never before at this season of the year has the great West had fewer thin cattle to trade in than at present. The supply is short for pastures, as well as for Eastern feeders, and prices have varied but little since the first of the month. It is exceedingly hard to get offerings with the right quality, and there is little probability that there will be much recession in prices this summer. Stock cows and heifers continue in strong request.

Slight Drop For Hogs.

Chicago opened the week with 59,000 hogs, more than twice the combined supply at river markets. Prices were generally 10 cents lower. The top price in Chicago was \$7.80; in Kansas City \$7.80; in Omaha \$7.65; in St. Louis \$7.85; in St. Joseph \$7.80.

As far as prices are concerned the hog market last week showed nothing new over previous weeks. Prices averaged a little better than in the preceding week, and receipts at Western markets were about 78,000 larger. The increased supply was attributed almost entirely to heavy rains early in the week that prevented farmers from rushing their work. With the present forecast for seasonable weather this week it is quite probable that receipts of hogs will be small this week, and some advance is expected in prices. Each week however is making a

reduction in the available supply of hogs, and traders would not be surprised at any time to see a decided bulge in prices. Packers on the other hand will delay such a condition as long as possible and as long as current receipts prove equal to fresh pork demand there will be no material advance. There are still some sick hogs or rather pigs coming to market, and sections of the country evidently have not been free from the cholera scourge at any time since last fall. A more seasonable year is expected in the next 12 months and recent heavy rains in many localities should be sufficient to eliminate the cause of much of the recent sickness.

Change in Quality in Sheep.

Demand for sheep improved moderately, but not enough to lift the market above last week's quotations. Killers are in need of good spring lambs.

Prices for sheep and lambs last week declined 25 to 75 cents, and were the lowest at any previous time in the past three weeks. However the decline was due more to the change in quality than to exact weakness in demand. Western markets are receiving the final shipments of fed grades, and practically the tail ends of the season's feeding are making present prices. At the same time the movement of Texas clipped sheep, grass fat, are moving freely. They have exerted a depressing influence, as is usually the case. Spring lambs are not much in evidence. Practically none has been received at Eastern markets, and early reports indicate a slim supply. For that reason traders believe that prices for range sheep now are as low as they will be at any time this fall. Prospects for an increased supply of feed this year insures a good fall demand for stock and feeding sheep. The Northwest will have comparatively few to market.

The Movement of Livestock.

The following table shows receipts of cattle, hogs and sheep at the five Western markets last week, the previous week and a year ago:

	Cattle	Hogs	Sheep
Kansas City	24,875	50,000	47,000
Chicago	35,800	149,000	74,500
Omaha	9,600	57,600	12,000
St. Louis	10,600	55,000	11,900
St. Joseph	7,500	40,900	7,400
Total	88,375	352,500	152,800
Preceding week	110,290	273,100	146,500
Year ago	124,250	349,900	180,000

The following table shows receipts of cattle, hogs and sheep at the five Western markets Monday May 20:

	Cattle	Hogs	Sheep
Kansas City	8,475	8,700	13,000
Chicago	17,000	59,000	20,000
Omaha	3,000	6,000	4,000
St. Louis	4,000	8,500	4,000
St. Joseph	1,600	5,500	400
Total	34,075	87,700	41,400
Preceding week	23,215	74,200	39,900
Year ago	46,100	84,800	39,950

The following table shows a comparison in prices on best offerings of livestock at Kansas City and Chicago for this date and one year ago:

	Cattle	Hogs	Sheep
Per 100 lbs.	1912 1911	1912 1911	1912 1911
Chicago	\$9.30 \$6.40	\$7.85 \$6.05	\$7.25 \$5.65
Kan. City	9.10 6.15	7.80 5.95	6.00 5.50

Equine Demand Holds Good.

Notwithstanding that the summer dullness is about due demand for horses continues, and prices have been well maintained. The only weakness apparent was for the plain light weight Southerners, and some common city chunks and farm horses. Farm work has reduced the supply materially, and to slightly below normal for this time of the year. Some horses and mules are being delivered on army contracts. The East is still buying good heavy horses freely.

Hay and Grain Are Falling.

Another 3 to 5 cents has come off of the cash prices of corn, wheat and oats since last week. Supplies continue fairly large, and demand is falling off. Heavy sales of cash grain proved too much of a weight for the market and prices fell back. Low grades or corn were affected more than the best classes, but the entire tendency was downward. Demand for corn for immediate use has been greatly curtailed by the use of grass. With some fields of

new alfalfa already cut, and others ready to be harvested, the hay market shows general weakness. Alfalfa declined \$1 to \$1.50 last week, and other hay sold slowly. Dealers say that prices will slowly recede as the new hay begins to move. The following prices prevail for grain in Kansas City and St. Louis:

	Kansas City	St. Louis
Wheat—		
Hard No. 2...	\$1.07 @ 1.12	\$1.14 @ 1.16 1/2
Soft No. 2....	1.16 @ 1.17	1.20 @ 1.21
Corn—		
White No. 2...	.80 @ .81 1/2	.81 @ .82
Mixed corn ..	.78 @ .79 1/2	.80 @ .80 1/2
Oats—		
No. 2 white...	.55 1/2 @ .56	.56 @ .57
No. 2 mixed...	.55 @ .55 1/2	.54 1/2 @ .55 1/2

The following comparison shows prices on best grades of wheat, corn and oats at Kansas City and Chicago for this date and one year ago:

	Wheat	Corn	Oats
	1912 1911	1912 1911	1912 1911
Chicago...	\$1.17 \$1.03	78 1/2 53	54 35
Kan. City...	1.12 .94 1/2	80 1/2 51	54 1/2 36

Carlot Grain Receipts.

The following table shows the receipts of grain for the week at the three principal grain markets, together with the receipts for the corresponding week one year ago and those of last week:

	Wheat	Corn	Oats
In Kansas City—			
This week	147	323	49
Last week	196	397	63
One year ago	264	198	34
In Chicago—			
This week	504	1209	1297
Last week	255	1435	789
One year ago	728	1097	1005
In St. Louis—			
This week	153	371	146
Last week	167	520	232
One year ago	136	355	121

Kansas City Hay Quotations.

A car load of new alfalfa, the first this season, was received from Oklahoma. It did not sell. Other hay was quoted off 50 cents to \$1 a ton. Prices at Kansas City:

Prairie choice	\$22.50 @ 23.00
Prairie No. 1	20.50 @ 22.00
Prairie No. 2	17.00 @ 20.00
Prairie No. 3	10.00 @ 16.50
Timothy choice	25.00 @ 26.00
Timothy No. 1	23.50 @ 24.50
Timothy No. 2	20.00 @ 23.00
Timothy No. 3	17.50 @ 19.50
Clover mixed choice	24.00 @ 25.00
Clover mixed No. 1	22.50 @ 25.50
Clover mixed No. 2	20.00 @ 22.00
Clover choice	21.50
Clover No. 1	19.00 @ 21.00
Clover No. 2	14.00 @ 18.50
Alfalfa fancy	24.00
Alfalfa choice	21.00 @ 22.00
Alfalfa No. 1	19.00 @ 20.50
Alfalfa No. 2	16.00 @ 18.50
Alfalfa No. 3	12.00 @ 15.50
Straw	5.00 @ 6.00
Packing hay	6.50 @ 8.00

Seeds and Broomcorn.

Sorghum, amber, 1.65 @ 2.00 per cwt.; sumac, \$1.45 @ \$1.75; broomcorn, dwarf, \$1.40 @ \$1.50; standard, \$1.30 @ \$1.45; cowpeas, New Era, \$1.90 @ \$2.10; Whippoorwill, \$2.10 @ \$2.25; millet seed, \$1.60 @ \$1.80; clover seed, \$1.20 @ \$2.00; timothy, \$1.00 @ \$1.15; alfalfa, \$1.00 @ \$1.40; flaxseed, \$2.15; seed corn, bulk 95c @ \$1.40 a bushel; Kafir corn, No. 3 white, \$1.38 @ 1.41 per cwt.

Livestock in Kansas City.

Demand for best steers this week was urgent and prices rose 15 to 25 cents. The medium grades were up only about 10 to 15 cents, and the common kinds were a shade lower, especially the class that showed a big grass fill. Some 1,251-pound Kansas steers, long yearlings, sold at \$9, and more than a dozen loads sold \$8.75 to \$8.90. Colorado beef pulp steers sold up to \$8.75, and the top price on the quarantine side was \$8.30. Some very common grassers sold as low as \$4.65. The bulk of all the steers brought \$7.50 to \$8.50. Plain and medium cows were no more than steady, and the best yearlings, heifers and steers and heifers mixed were up 15 to 25 cents. The top price for mixed grades was \$8.40, and for heifers \$7.90. Veal calves were 25 cents higher, top \$8.50.

Prices for hogs fluctuated 10 to 15 cents and Saturday showed no important net change compared with the close of the preceding week. Demand continues fairly urgent but packers are still able to keep prices below \$8.

The following table shows the range in prices of hogs in Kansas City on days named for the past two weeks:

	This week	Previous week
Tuesday	7.40 @ 7.85	7.35 @ 7.77 1/2
Wednesday	7.45 @ 7.85	7.45 @ 7.90
Thursday	7.55 @ 7.95	7.50 @ 7.95
Friday	7.40 @ 7.85	7.50 @ 7.95
Saturday	7.40 @ 7.80	7.40 @ 7.85
Monday		7.40 @ 7.82 1/2

The bulk of the sheep coming now are clipped Texas, and prices for them are off 50 to 75 cents. Some fed woolled lambs sold up to \$9.50 late in the week. Woolled lambs are quoted at \$8.75 to \$9.50, clipped lambs \$8 to \$8.50, and Texas sheep \$4.50 to \$5.25, and goats \$3 to \$3.75.

The following table shows receipts of cattle, hogs and sheep in Kansas City thus far this year and same period in 1911:

	1912	1911	Inc.	Dec.
Cattle	522,469	638,418	115,949	
Calves	31,009	45,027	14,018	
Hogs	1,119,731	1,267,312	147,581	
Sheep	844,915	822,939	21,976	
H. & M.	40,553	43,694	3,141	
Cars	40,939	49,306	8,367	

Livestock in St. Louis.

The market for native beef steers last week was stronger, and sales of steers, quality considered, were the highest of the year. Some good steers sold up to \$8.90. Quarantine steers sold slowly at 15 to 25 cents lower prices. Native steers are quoted at \$5.50 to \$9.25, Texas and Indian steers \$4.50 to \$7.25. The movement from below the quarantine line is increasing and the quality of the early offerings is none too good. Cows and heifers are quoted at \$3.50 to \$8.50, stockers and feeders \$3.75 to \$7, calves in carload lots \$5.25 to \$7.25, and odd head up to \$8.50.

Prices for hogs late last week fell back 5 to 10 cents, and Saturday the top price was \$7.90, and the bulk of the hogs sold at \$7.80 to \$7.90. Earlier in the week the top price was \$8.05, and average prices for the week were slightly higher than in the preceding week.

The following table shows receipts of cattle, hogs and sheep in St. Louis thus far this year and same period in 1911:

	1912	1911	Inc.	Dec.
Cattle	248,372	267,042	18,670	
Hogs	1,076,455	1,096,216	19,761	
Sheep	319,063	290,582	28,481	
H. & M.	78,449	82,545	4,096	
Cars	25,926	28,002	2,076	

Livestock in St. Joseph.

Last week's trading in cattle added nothing new to the price list, though in some instances medium grades of steers looked higher. Nothing prime was offered, and the top sale was \$8.50. Cows and heifers sold freely and the supply was no more than equal to demand. Practically no stock steers have been offered lately, though a good many orders are awaiting supplies. Steers are quoted at \$6.50 to \$8.75, heifers and cows \$3.25 to \$8.10, calves \$5 to \$8, and stockers and feeders \$5 to \$7.

Prices for hogs last week advanced 10 to 15 cents, but after mid-week demand slackened and all but 5 cents of the advance was lost. Receipts continue about normal for this season of the year, and the year thus far shows a big gain. The top price Saturday was \$7.85, and bulk sold at \$7.60 to \$7.80.

There was no important change in prices of lambs last week but sheep declined 50 cents per 100 pounds. Fed lambs are quoted at \$7 to \$9, clipped lambs \$6 to \$8, and clipped sheep \$4.25 to \$5. No spring lambs are coming.

The following table shows receipts of cattle, hogs and sheep in St. Joseph thus far this year and same period in 1911:

	1912	1911	Inc.	Dec.
Cattle	176,744	170,009	6,735	
Hogs	860,342	670,367	189,975	
Sheep	293,937	285,679	8,258	
H. & M.	19,836	20,116	280	

Cotton Market.

Galveston, Tex., May 20.—COTTON—Market lower, 1 1/2 c.

Butter, Eggs and Poultry.

Elgin, May 20.—Butter this week firm at 27 cents.

Kansas City, May 20.—Prices this week on produce are:

Eggs, Firsts, new white wood cases included, 17 1/2 c a doz.; seconds, 14 1/2 c. Butter, creamery, extras, 29c a lb.; firsts, 27c; seconds, 26c; packing stock, 19 1/2 c. Live Poultry—Broilers, under 2 lbs., 35c a lb.; No. 1 hens, 12c; roosters, 7c; turkey hens and young gobblers, 12c; old toms, 10c; culls, 7c; ducks, 12c; geese, 6c; pigeons, 60c a doz. Dressed poultry sells for about 1 1/2 c to 2 1/2 c a lb. above live stock quotations.

Produce Prices Now and One Year Ago.

	Butter	Eggs	Hens
	1912 1911	1912 1911	1912 1911
Chicago...	27 21	18 16	14 12
Kan. City...	29 20	17 1/2 16	12 10

ALL FOR \$1.10

The Biggest Half-Price Club Offer of the Season.

Here is the banner clubbing offer. It gives your family the choicest collection of newspapers and magazines at a price which is a very great bargain. You get all these four papers one year for only \$1.10.

KANSAS WEEKLY CAPITAL is the largest and best weekly newspaper published in the state. Its pages are full newspaper size, and are filled with the latest Kansas and state capital news items, market reports, etc.

THE VALLEY FARMER, an independent, reliable farm journal, unique and original in its methods, and immensely popular with thousands of farmers in every state in the West; well edited departments for Livestock, Poultry, Veterinary, Horticulture, Dairy, Field Crops, etc.

HOUSEHOLD MAGAZINE, a large family magazine containing the choicest stories and departments of particular interest to lady readers. An entertaining, instructive publication for all the family, 24 to 48 pages each month.

FARMERS MAIL AND BREEZE, the greatest farm weekly in the West.

If your subscription to the Mail and Breeze has not expired we will credit you ahead for one year. Send your order at once. Address Farmers Mail and Breeze, Topeka, Kan.

WHAT BREEDERS ARE DOING

FRANK HOWARD,
Manager Livestock Department.

FIELDMEN.

A. B. Hunter, Kansas and Oklahoma, 410 East Williams street, Wichita, Kan.
J. W. Johnson, Beloit, Kan., Kansas and Nebraska.
C. H. Walker, Kansas, Missouri and Nebraska, 1015 Central, Kansas City, Mo.
Geo. W. Berry, E. Kansas and southern Missouri, Capper Bldg., Topeka, Kan.
Grant Gaines, Iowa, 334 Chamber of Commerce Bldg., Omaha, Neb.
G. E. Hall, Nebraska, 334 Chamber of Commerce Bldg., Omaha, Neb.

PUREBRED STOCK SALES.

Claim dates for public sales will be published from when such sales are to be advertised in the Farmers Mail and Breeze. Otherwise they will be charged for at regular rates.

Percheron Horses.

May 29—J. C. Robinson and Dr. T. J. Axtell, at Towanda, Kan.

Shorthorn Cattle.

June 6—C. S. Nevius, Chiles, Kan.
June 7—Jos. Miller & Son, Granger, Mo.

Poland China Hogs.

Aug. 7—John B. Lawson, Clarinda, Ia.
Aug. 8—J. W. Pfander & Sons, Clarinda, Ia.
Aug. 9—L. R. McLarnon, and J. O. James, Braddyville, Iowa.
Aug. 26—A. B. Campbell, Geary, Okla.
Oct. 9—Herman Groninger & Sons, Bendena, Kan.
Oct. 15—H. C. Graner, Lancaster, Kan.
Oct. 16—H. B. Walter, Effingham, Kan.
Oct. 18—W. E. Long, Meriden, Kan.
Oct. 19—C. L. Branick, Hiawatha, Kan.
Oct. 22—Jno. W. Noll, Winchester, Kan.
Oct. 23—W. E. Epley, Diller, Neb.
Oct. 24—L. E. Kline, Zeandale, Kan.
Oct. 26—R. B. Davis, Hiawatha, Kan.
Nov. 1—Walter Hildwein, Fairview, Kan.
Nov. 2—J. H. Hamilton & Son, Guide Rock, Neb.
Nov. 13—Herman Groninger & Sons, Bendena, Kan.

Duroc-Jersey Hogs.

June 4—J. J. Baker, Independence, Kan.
Aug. 31—J. R. Blackshear, Elmdale, Kan.
Sept. 4—W. B. Huston, Americus, Kan.
Oct. 19—H. B. Miner, de Rock, Neb.
Oct. 23—P. H. Pagett, Beloit, Kan.
Oct. 26—E. M. Myers, Burr Oak, Kan.
Oct. 29—W. W. Bales & Sons, Manhattan, Kan.
Oct. 30—Thompson Bros., Garrison, Kan.
Jan. 22—Thompson Bros., Garrison, Kan.
Feb. 5—Samuelson Bros., Cleburne, Kan.
Feb. 6—Samuelson Bros., Blaine, Kan.

O. I. C. Swine.

Oct. 24—R. W. Gage, Garnett, Kan.

Kansas and Oklahoma.

BY A. B. HUNTER.

To Please, His Motto.

Alvin Long, Lyons, Kan., breeder of purebred Hampshire hogs, is offering some splendid spring pigs, either sex, ready to wean. They are nicely marked and of the most fashionable breeding. Mr. Long gives much promise as a breeder of the better porker. The fact is he started right by buying the best of foundation stock. At the head of his herd is a Hutchinson State Fair winner and if you are thinking of buying Hampshire, write your wants to Mr. Long. His motto is "to please."

Robison's Sale Catalog.

The Robison-Axtell Percheron sale catalog is out and every one of our readers who is interested in Percheron mares should have a copy and should arrange to attend the sale. Matched pairs of work mares are a feature of this offering. Dr. Axtell has made a specialty of bays in his herd but he has never sacrificed quality. There are a lot of mares with colts at foot and others bred for early foals. The offering includes both stallions and mares by the great Casino, head of the Whitewater Falls Stock Farm stud. You will not have time to get a catalog now, as the sale will be held on Wednesday, May 29, at Whitewater Falls Stock Farm, Towanda, Kan. Special train via Missouri Pacific from Wichita morning of the 29th.

Twenty Head in Sixty Days.

George M. Clasen, Union City, Okla., is having nice sales for his Duroc-Jersey hogs. During the last 60 days he has sold 20 head through advertising in Farmers Mail and

Farmers Mail and Breeze Pays Advertisers.

Farmers Mail and Breeze, Topeka, Kan. Please stop our ad, as it is getting late, and we are all sold out on stallions. We are well pleased with the results of the Mail and Breeze. BISHOP BROS., Breeders and Importers of Percheron Horses, Towanda, Kan., Apr. 20, 1912.

Farmers Mail and Breeze, Topeka, Kan. You have one of the best advertising mediums in the U. S. for real estate men. If a man wants good results, just try Farmers Mail and Breeze and he will surely get what he wants.

C. C. PEEK, Real Estate Dealer, Claremore, Okla., Feb. 1, 1912.

Every week for years Farmers Mail and Breeze has printed voluntary letters from its advertisers and different letters are printed every week.

Breeze. Mr. Clasen owns one of the best bred herds in Oklahoma and understands raising and fitting them so that they go out and make good in second hands. He is advertising at present some boars and gilts of November farrow, also 80 choice spring pigs. Pairs and trios not related are his specialty. These hogs are sired by sons of reserve and grand champions of the leading state fairs. Mr. Clasen knows that his hogs are good and he knows that he can satisfy his customers. To back up this knowledge he will ship hogs to reliable parties on approval. Write him your wants, mentioning Farmers Mail and Breeze.

Kansas and Nebraska.

BY J. W. JOHNSON.

W. F. Fulton, Waterville, Kan., has for sale some choice August and September Poland China boars. They are of the big type and strictly good. Also some gilts of the same age and breeding that will be sold open or held and bred before shipping. Prices will be made to move some of this stock immediately. Mr. Fulton is one of the careful breeders and you can trust him with your order. Mention Mail and Breeze when you write.

A Real Estate Specialist.

Col. T. E. Gordon, Waterville, Kan., while one of the active men in the auction business is also one of the pioneers in the business in Kansas. He has been in the business 35 years and has lived in northern Kansas all that time, most of the time at Waterville. Col. Gordon is thoroughly posted on values of stock of all kinds and is especially well qualified to sell real estate as he makes it a point to keep posted on land and values over Kansas in particular. He is making a specialty of real estate auctions and if you are interested you better write him for more information about selling land at auction. He can tell you how to turn your real estate into money in 30 days so that it will be highly satisfactory to you. Col. Gordon thinks that from October to January is the best time to sell real estate at auction. Col. Gordon is starting his advertisement in this issue of Farmers Mail and Breeze. Please mention this paper when you write to him.

Making a Good Start.

Alvin F. Villander, Manhattan, Kan., bought 27 bred sows in the leading Duroc-Jersey bred sow sales last winter. They cost him an average of \$33 apiece. He has 100 pigs that are coming on fine. Mr. Villander owns 240 acres of land about a mile out of Manhattan and is fixed for the hog business. He is a bright young man with up to date ideas.

Duroc Sale at Hutchinson.

I have received a letter from Fred L. Perdue, Rocky Ford, Colo., saying that he will disperse E. E. Hickman's herd of Duroc-Jerseys at Hutchinson, Kan., June 1. This sale is made to close up a partnership and is a complete dispersion of a very strong herd. Col. Perdue says that much of the offering is show stuff, of a high class, having won at Denver and elsewhere. Those interested can get full information by addressing Col. Fred L. Perdue, Rocky Ford, Colo. Remember the date, June 1, at Hutchinson, Kan.

Acquainted With Values.

Col. Homer Boles, Randolph, Kan., is well and favorably known in that vicinity. He has been engaged in the stock business in various ways for a number of years in Randolph and is at the present time proprietor of a breeding barn at that place. As an auctioneer he is considered a hustler. He has the experience in handling stock as an asset and knows values readily. His acquaintance extends in every direction and he is a good man to employ. His advertisement appears in this issue in the auctioneers' section.

Bancroft's Private Sales Good.

D. O. Bancroft, Osborne, Kan., recently sold 16 Duroc-Jersey pigs to W. E. Monas-smith of Formoso, Kan. Mr. Bancroft has used Farmers Mail and Breeze, exclusively, in his advertising for several years and regularly reports a good business. At present the offering consists of tried sows and September gilts, open or bred, to order, for fall farrow, September boars, and 80 fine February and March pigs. You can get pairs and trios not related. Mr. Bancroft has made friends in six states by selling them good hogs at reasonable prices. Write him about Duroc-Jerseys.

Has Eight Fall Boars.

N. E. Copeland, Waterville, Kan., has a fine crop of 60 pigs. Mr. Copeland breeds Poland Chinas and keeps his herd up to date by buying new blood every season. Most of this crop was farrowed in February and it is going to be a mighty good place to find an early spring boar when you are ready to buy. Most of them were sired by Copeland's Hadley. He has eight fall boars for immediate sale, three of them by Nevius's Designer and the balance by Copeland's Hadley. Mr. Copeland bought a great sow in Lee Gross's sale at St. Joe last winter and she has a great litter sired by Expansion Son. Write him about fall boars.

The W. W. Bales Durocs.

The College Hill Herd of Duroc-Jerseys, owned by W. W. Bales & Sons, Manhattan, Kan., was visited recently. W. W. Bales was associated for several years with Geo. M. Hammond as part owner of the Tatar-rax herd at that place and this spring, when Mr. Hammond removed from Manhattan, a division was made and the Bales firm retained a part of the herd. The veteran breeding boar, Carl's Critic, was retained as was also G. M.'s Col., second at the Topeka State Fair last season. Five Tatar-rax herd sows were also retained and a number of others of equal breeding. H. W. Bales, one of the sons interested in the herd, is a graduate of the Agricultural college, class '09, and is employed by the government as livestock inspector and located

at Frankfort, Ky. W. W. Bales, manager of the herd, owns a nice farm for the business adjoining the college farm. They have claimed October 29 as the date of their boar and gilt sale. Their advertisement appears in Farmers Mail and Breeze with the June 1 issue.

A Good Duroc Herd.

J. W. Wolford, Waterville, Kan., breeder of Duroc-Jerseys, has an ideal farm for the business. The farm consists of 240 acres with an abundance of shade and running water which runs for about a half mile through the farm and is bordered on one side with alfalfa pasture and on the other side with timber. The bottom of the stream, which is shallow, is solid rock. It is the finest hog ranch I ever saw and the Wolfords are improving it every day. They have a nice crop of spring pigs of March and April farrow with other sows to farrow. They bought in Leon Carter's sale at Asherville, Kan., in March, a boar sired by Dreamland Col. that is promising. He is out of Col's Queen. We were shown a nice number of barrows that will be sure to be market toppers. We enjoyed our visit very much at the Wolford home.

Shaw Buys Herd Boar.

H. H. Shaw, Hebron, Neb., has been on the lookout for a herd boar for some time and has just located one which he purchased of V. A. Briggs, Seward, Neb. This pig will be a year old next October and was sired by Crimson Critic, first prize fall boar at the Nebraska State Fair last season. His dam, Leora 3d, was one of the show herd that won first at the same show. Mr. Briggs pronounces this pig a much better show prospect than his sire was at the same age. He will be recorded as Crimson Critic 2d. His grand sire was I Am A Crimson Wonder 2d. His granddam was Golden Model 5th. Mr. Shaw has some good fall boars for sale which he is advertising in Farmers Mail and Breeze. Also some sows. Write Mr. Shaw about a fall boar if you are in the market for one. Mention Farmers Mail and Breeze when you write.

Albright's Poland Chinas.

A. L. Albright, Waterville, Kan., is a breeder of Poland Chinas that takes rank with the best in the land. His herd is not so large as some but it is one of the best we know of. He is on the job all the time and everything pertaining to his herd of Poland and his magnificent farm, which is located on the Little Blue, about six miles out from Waterville, is carefully looked after. Mr. Albright is also a livestock auctioneer and has a general acquaintance over northern Kansas. At present he is offering some very choice boars of the best of breeding. Seven of them are of last spring farrow and five are of last September farrow. They were selected with care from the last season's crops and are really herd header material. The spring boars are by Big Hadley's Likeness, by Big Hadley. The fall boars are by the same boar. At the head of Mr. Albright's herd at present is Cavett's Mastiff. If you need a herd boar, either a yearling or a last fall boar, you better write Mr. Albright at once. He will make the price right as he wants to close these boars out to make room for those coming on. Mention Farmers Mail and Breeze when you write.

Klein's Good Poland Chinas.

L. E. Klein, Zeandale, Kan., breeder of Poland Chinas, was visited on last Tuesday. Mr. Klein has about 40 pigs of February and March farrow and they are a dandy lot. But they have a right to be good as his herd of sows is one of the very best we have seen in a long time. His herd sows, consisting of 12 head, have been picked up at long prices and reserved from his own herd and will compare favorably with any 12 sows of the same age in the country. Only one of them is over 2 years of age. The spring pigs were sired by Tulton Prince, a splendid breeding boar in use in his herd until recently. His chief herd boar now is Chief Price, a boar of merit and of the best of breeding. In securing his top herd sows he has drawn from many of the best herds in the country, such as J. H. Harter, Westmoreland, Kan. The Dawsons, W. F. Fulton, Waterville, Kan. He topped

LIVESTOCK AUCTIONEERS.

COL. HOMER BOLES, Randolph, Kan.
Livestock and General Auctioneer.

COL. L. R. BRADY, LIVESTOCK AUCTIONEER
Manhattan, Kan. Write or wire for dates.

Col. N. S. HOYT, Mankato, Kansas,
Livestock Auctioneer. Big Horse and other Stock Sales a specialty. Terms reasonable. Special service to breeders.

Chas. E. Reeble, Emporia, Kan.
Pure Bred Live Stock and Real Estate Auctioneer. Speaks German. Write or wire for dates.

MEADOW BROOK BERKSHIRES AT BURLINGTON, KANS.

200 bred sows, all bred to Premier Longfellow, King's 2d Masterpiece, True Type, King's 4th Masterpiece, King's X Masterpiece (the greatest yearling we ever raised), Forrest Count, etc. One hundred open sows and twenty extra nice males. Two extra good herd boars for sale (every one deep in breeding and rich in blood).

E. D. KING, BURLINGTON, KANSAS.

OIL-OIL-OIL

WHOLESALE PRICE TO CONSUMERS—Combining best quality with low price. NO WATER IN MY KEROSENE OR GASOLINE.

XXX 46 gravity water white kerosene	\$5.50 for 52 gal. bbl.
XX 42 gravity kerosene (the kind usually sold)	\$4.50 for 52 gal. bbl.
XXX 64 gravity gasoline	\$7.50 for 52 gal. bbl.
1 case graphite axle grease (2 doz. 3 pound pails)	\$3.50
40 gravity prime white stove distillate	\$4.00 for 52 gal. bbl.
38 gravity stove distillate	\$3.75 for 52 gal. bbl.
60-gallon (25 gauge) galvanized steel tank with pump and hood	\$3.60
Extra heavy pure crude oil, steam and settled, (black oil)	
STANNARD'S PROCESSED CRUDE OIL, the best dip made for killing lice and curing mange. One application will do more to kill lice and cure mange than three applications of any other dip made (it destroys the nits)	\$5.00 for 52 gal. bbl.
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.	

C. A. STANNARD, BOX M, EMPORIA, KAN.

LIVESTOCK AUCTIONEERS.

SAM W. KIDD, Live Stock Auctioneer
Kansas City, Mo.
"A rising star," Col. F. M. Woods, 1903.

JOHN D. SNYDER, HUTCHINSON, KAN.
Auctioneer
Pedigreed Live Stock a Specialty.

T. E. GORDON, WATERVILLE, KANS.
Livestock and Real Estate Auctioneer.
WRITE FOR DATES.

JAS. W. SPARKS, Live Stock Auctioneer
MARSHALL, MO.

LAFE BURGER
LIVE STOCK AND REAL ESTATE
AUCTIONEER
Wellington, - - - Kansas

COL. RAY PAGE
FRIEND, NEB.
Livestock Auctioneer. Write for Dates.

FRANK J. ZAUN
FINE STOCK AUCTIONEER
Independence, Mo.
Bell Phone 675 Indp.
"GET ZAUN. HE KNOWS HOW."

Oklahoma Auction School

Col. O. R. Lilley, President.
Best in World. CATALOGUE FREE.
Next Term Opens August 5, 1912. Address, GUTHRIE, OKLA.

Col. Oscar H. Boatman
Irving, Kansas
Livestock Auctioneer
Graduate American Auction School
Write for Dates

BERKSHIRES.

FOR SALE—50 BERKSHIRES OF QUALITY
40 March and April pigs by Second Masterpiece, 30 at \$15 each or \$25 per pair. Balance show prospects, \$150 per five; some thing fancy. A few gilts and two October boars at \$25 each. Two October boars, by Second Masterpiece, and one by B. D.'s Cent-terpiece, fancy herd headers, at \$50 each. Yearling boars at from \$25 to \$50 each, also a few gilts bred to farrow in May and June at reasonable prices.

J. T. BAYER & SONS, Yates Center, Kansas.

WAITE'S BERKSHIRES.
Choice young Boars and Gilts, also tried sows. Most famous Robins Hood Blood. We guarantee satisfaction. Call or write LEON A. WAITE, WINFIELD, KAN.

WILDWOOD FARM BERKSHIRES

Headed by
SIR MASTERPIECE 2D AND WILDWOOD REVELATION 125617.

Pigs, March and April farrow, priced very reasonably. Get in your order early for choice pairs and trios. Choice gilts will be bred to Sir Masterpiece. Only the best shipped on order and all representations guaranteed. Address
O. L. STEANSON, TROY, KANSAS.

Sutton Farm Berkshires

BRED SOWS

A good lot of sows and gilts bred to the best boars for summer litters. Boars and sows at farmers' prices. Choice last fall pigs by Artful Masterpiece, and a splendid crop of spring pigs that will please you.

Sutton Farms, Lawrence, Kansas.

Berryton Duke Jr.

Thompson Bros. sale at Marysville, Kan., last winter, buying Queen Lil, a choice sow that would prove a worthy addition to any herd in the state. Mr. Klein has claimed October 24 as the date of his boar and gilt sale. His sale last November was one of the good sales of the season. In the Poland China section of Farmers Mail and Breeze he is advertising 12 or 15 fall gilts that are bred for August and September farrow. They are bred to Chief Price. They are by Tulton Prince, Big Mogul, by Mogul's Mont-Arch. There are also 10 September boars of the same breeding for sale. Address L. E. Klein, Zeandale, Kan., and mention Farmers Mail and Breeze.

Knows Pedigrees and Values.

Col. L. R. Brady, Manhattan, Kan., is conceded by those in a position to know, to be one of the best posted livestock auctioneers in the United States. He has lived in Manhattan 42 years, having located there when a small boy. He is a graduate of a well known school of veterinary science and is practiced in Manhattan for years. He is naturally gifted as a speaker and all his education has been along the lines that now fit him so splendidly for the fine stock auction business. He has been in thorough touch with the department of animal husbandry at the Agricultural college for years and very few men know more about fine stock judging than does Col. Brady. All of this fits him for the business he is engaged in. He was born in the Sunny South and is a kindly, big hearted man that delights in pleasing his customers and friends. If you want the best, employ Col. Brady and you will never feel that you have made a mistake. He is a Kansan and a booster for Kansas and her institutions. The writer has known him for 30 years and it is a real pleasure to recommend him to anyone wanting to hire the best talent in the country. Write or wire for dates.

Up-to-Date Breeding.

Thompson Bros., Garrison, Kan., Duroc-Jersey breeders of that place, have the best prospects for outstanding breeding stock we have seen this season. They have about 40 spring pigs that are certainly fine. Besides the spring pigs they have at least 40 last fall gilts that are the finest we have ever seen in one bunch. They are being reserved for their bred sow sale which will be held January 22. These gilts are well grown out and have quality and finish to burn. They will make a great offering for this January 22 sale. There are also five fall boars in this herd that are for sale that have the size and finish that would make them desirable in any herd. If you want one at a reasonable price you better hurry. Col. L. R. Brady arranged for one of the day we were there and the same day Col. Jas. T. McCulloch arranged for one for a customer at Clay Center. These orders reduced the fall boar offering. Golden Chief, by Chief Wonder, sired most of the fall gilts mentioned and also the fall boars. He is one of the great sires of the breed as is indicated by the splendid lot of fall gilts and boars as well as this season's crop of pigs. B. V. Col., by Ohio Col., grand champion at Hutchinson, is also in use in the herd and sired some of the spring pigs. Blue Valley Chief, by Valley Chief, is another boar in use. If you are looking for something good in the way of up to date breeding and the best of individuals, you better keep this herd in mind. Always mention Farmers Mail and Breeze when you write.

Two Good Duroc Herds.

Samuelson Bros., Cleburne and Blaine, Kan., have about 100 pigs at Cleburne and about 40 at Blaine. Samuelson Bros. are among the best known breeders of Duroc-Jerseys in northern Kansas. They maintain two herds on separate farms at Cleburne and Blaine. They hold two big bred sow sales each February. Their sales last winter were on February 8 and 9 and this season they will be held on February 6 and 7.

HAMPSHIRE.

Registered Hampshire Hogs and priced to sell. W. C. STENZEL, ELMDALE, KANSAS.

Pure Bred Hampshires. Inspect our herd or write for prices. Our motto is to please. ALVIN LONG, Lyons, Kansas.

Special sale on boars. 175 to 200 lbs. and weanling pigs, ready to go, if taken at once. J. R. LAWSON, Ravenwood, Missouri.

Try The White Belts. Cloverdale Farm offers a number of extra nice Hampshire boars for sale. T. W. Lavelock, Princeton, Kas.

WRITE J. F. PRICE, Medora, Kans. For prices on Pedigreed HAMPSHIRE HOGS. S. C. B. Leghorn eggs.

O. I. C. SWINE.

O. I. C's.—the right kind. Bred right and fed right. Choice pigs for sale. W. F. DOOLITTLE, WOODLAND, MO.

EDGEWOOD O. I. C's. boars and bred and open gilts; spring pigs mated. no kin. HENRY MURR, Tonganoxie, Kansas.

STAR HERD O. I. C's.

Breeding stock of various ages, either sex. Best breeding represented in this herd. Write your wants. ANDREW KOSAR, GLASCO, KANSAS.

Neef's O. I. C's.

THE BIG KIND. Am offering summer gilts, bred, Sept. and Nov. pigs of either sex, at farmer's prices. Am also booking orders for spring pigs for May and June delivery. Can furnish pairs and trios not akin. Send for catalog and prices. Also have a registered Scotch collie female at a bargain if taken soon. RIVERSIDE FARM, Boonville, Missouri. John H. Neef.

Both sales last winter were well attended. One hundred sows were sold in the two sales. These sales are regular events. No fall sale will be held at either farm, the best of the gilts being reserved from the two herds for the big bred sow sales next winter. The boars will be sold at private treaty. The herd boars are Chief Marshall, by Rose Chief, second prize boar at the Illinois State Fair, White House King, by Illinois State Fair, and others. Belle's Chief White Hall King, and others. Belle's Chief was a good sire of this season's pigs and was 2d sired some of the season's pigs and was a good sire. They have a few good fall boars sired by Shepard's 1910 Top, which they will price worth the money. Also one of August farrow. Samuelson Bros. will put into their sales February 6 and 7 100 bred sows of the kind that meet the approval of breeders and farmers generally. They are making a study of the business and are improving their herds each year by adding new blood and by improved methods.

Pleases His Customers.

C. O. Anderson, Manhattan, Kan., breeder of Duroc-Jerseys, was visited last Tuesday. His crop of spring pigs numbers 50 head and the finest lot of youngsters we ever saw. Baxter's Model, third at Illinois and Nebraska State Fairs, 1909, is one of the really great sows of the breed. While she was placed third, Mr. Baxter, who showed her and the sow that took first, stated after the show that Baxter's Model was the best sow. She has a fine litter, sired by Kant's Model. There are three gilts and four boars in Lady 3d is a fine sow, out of Baxter's Model. Lady 3d was sired by B. by Kant's Model. The great show boar. She has six pigs, three boars and three gilts. They are a fine litter, very even in size and color. There are two other daughters of B. & C's Col. in this prize herd. Mr. Anderson has sold all his fall boars but has some choice fall gilts that he will breed and ship. He is ready to price the earliest of the spring boars now. He has made this a practice in the past and has learned that his chances of giving perfect satisfaction with a boar is to sell him while he is young and get him into his future owner's hands that he may receive him. He will the breeder that is to use him. At a fair price you an early spring boar, at a fair price, that it will be mighty hard to duplicate anywhere this season. Mr. Anderson has been shipping pigs on mail orders to Mail and Breeze readers for five years and we have yet to learn of a dissatisfied customer. Write him now for prices. They are right.

Kansas, Missouri and Iowa.

BY C. H. WALKER.

Walter Buys Gold Metal.

Ever since the death of Expansive, the great boar which made such an enviable record for H. B. Walter of Effingham, Kan., and which produced a type of big type Poland Chinas that has done much to put them in the high favor they now enjoy, Mr. Walter has been looking for a boar to take Expansive's place. Naturally this wasn't an easy matter. Those who had the good ones were keeping them and it was a mighty hard job and one which took much thought and careful selection to find a boar that would follow Expansive and still keep the herd up to its high standard. Gold Metal was the first boar to be considered, but J. C. Halderman, his owner, would not price him. Recently, however, Mr. Walter bought the boar at a high price and thereby puts his herd in the rank with the very best in the land. Gold Metal was an individual of the country and sires a type of boar which greatly resembles the get of Expansive. Mr. Walter's ability as a feeder and fitter is well known. Some of the best sales held in this section of the country were made on stock from this herd. With the great sow herd, Gold Metal should Expansive's daughter. The buying of this hog sire the ideal kind. The policy of this hog is in keeping his customers with the very best obtainable or producible. Not only is he to be congratulated, but his customers and those who buy from him in the future should be congratulated on the addition of this boar to Mr. Walter's herd.

The Nevius Shorthorn Sale.

One of the important Shorthorn auctions will be the annual June sale to be held by C. S. Nevius at Chillicothe, Kan., Thursday, June 6. In this coming sale Mr. Nevius has listed 50 head, 12 bulls and 38 females. Eleven of the bulls are by the great Searchlight and one by Prince Pavonia. Eight of the females are by Searchlight and 15 by Prince Pavonia. The heifers by the latter are all past 2 years old and are bred to Searchlight or Searchlight Jr. and those by Searchlight are bred to Prince Valentine 4th. Ten of the females sell with calves at foot. Twelve of the females are of the best Scotch breeding and seven of the bulls are Scotch herd bull material. The use of the top bulls previous to the bulls now in the herd and the great quartet of bulls mentioned above have made the Nevius herd one of the leaders of the country. Through the use of only the very best Mr. Nevius has succeeded in building up a herd that ranks with the best in the land and buyers have come to learn that an offering from the Glenwood herd means superior breeding stock. The cross of Searchlight on Prince Pavonia heifers and vice versa is proven wonderfully successful and it is the result of this great nick which buyers will have an opportunity to secure at this coming sale. Number 14 in the catalog is a Norwood Jenny Lind, a great cow that sold for \$365. She sells with a red bull calf at foot by Searchlight and is bred again. This cow is the dam of one of the best calves shown last year and has a better prospect with her this time. Jenny Lind, a good one any place, will sell with good Searchlight calf at foot. Princess Phyllis, the 1911 senior yearling heifer by Prince Pavonia, out of a Gallant Knight dam, is one of the good ones and should make a great show this fall. This cow is number 16 in the catalog. No. 18 is a Prince Pavonia Violet, an extra good one, and so on down the line. No. 25 is one of the best junior yearling prospects to be out this fall. Taken all the way through the female offering is high class in every respect and offers opportunities for the selection of choice breeding and show stock, bred to top bulls, that should not be overlooked. The bull section offers excellent opportunities for herd heading material. In fact

O. I. C. SWINE.

O. I. C. HERD BOARS OR BRED SOWS. By O. K. Winner, winner of 12 firsts, 4 champions and 4 grand champion ribbons in 20 shows, and Chicksaw Model, second prize winner at Lincoln. Sows bred to these boars and keep on winner. Priced for quick sale. H. L. BODE, FRIEND, NEBRASKA.

O. I. C. Pigs \$10.00 EACH. Harry Haynes, Meriden, Kan. HAVE YOUR IDEAS about the O. I. C. hogs been correct? Send for my circular telling all about it. R. W. Gage, Garnett, Kan.

DUROC-JERSEYS.

CRIMSON WONDER AGAIN BOARS. 1 yearling dam by W. L. A's Choice Goods, a herd header and show prospect. Several early fall boars, 3 full brothers to Crimson Wonder 3d. Booking orders for pigs by C. W. A. and other boars. L. R. VAN NICE, RUSSELL, IOWA.

BEAVER VALLEY HERD DUROCS. Boars and gilts sired by Grand Master Col. II 94903 (Grand Champion and sire of 20 shows, and Chicksaw Model, 1911). De-winner at Oklahoma State Fair, 1911. De-fender's Col. 112297. Autocrat 94765 and Muncie Col. 113779. Satisfaction guaranteed. W. A. WILLIAMS, MARLOW, OKLAHOMA.

Spring Boars Ready to Ship

Unexcelled in breeding and quality. A few from State Fair prize winners. Order while young and save express. For prices on young stock address C. O. ANDERSON, MANHATTAN, KANSAS

Walnut Grove Breeding Farm. Pigs sired by B. & C's Col. 112297 and Buddy's Bud 111822. Write for particulars. R. C. WATSON, ALTOONA, KANSAS.

HEBRON FARM DUROCS

Some good fall boars for quick sale. Also a few good sows. H. E. SHAW, - HEBRON, NEBRASKA.

DUROC-JERSEY BOARS

Sired by Golden Goods 70513 and Belle's Chief 2nd 7177, priced right. 1st head in herd. Grandview Stock Farm, Americus, Kan.

BUDDY K IV, and B. & C's COL.

Boars and Gilts by these great sires and sows and gilts bred to B. & C's Col. For sale at reasonable prices. For full particulars write J. J. BAKER, INDEPENDENCE, KANSAS.

Fisher's Durocs. Herd boars, Graduate Col. 28279a, Crimson Prince 69527, Ruby's Chief 10417, King's Col. F. 89355. These boars are among the best in the state, and sows in herd bred equally as good. Describe what you want, stating price you wish to pay. H. E. FISHER, Danville, Harper Co., Kansas.

DUROCS

Great crop of spring pigs. Tried sows for August and September farrow, bred to our great boar, Good E. Nuff Again King. W. W. Otey & Sons, Winfield, Kan., "The Men With the Guarantee."

DUROCS FROM PAWNEE VALLEY

Three yearling boars, herd headers. Some gilts, same age and breeding. Also 17-months old herd boar, Ohio Chief strain. Also fall males. All guaranteed from cholera. Prices reasonable. JUDAH BROS., HIATTVILLE, KANSAS.

Saline Valley Stock Farm

Am booking orders for spring pigs, either sex; also a few choice fall boars and gilts. Pairs and trios not related. J. LEE DUNN, RUSSELL, KANSAS.

Ticer's Durocs

Am offering a few good young Valley B. and B. & C's Col. boars, worth the money; also a few bred sows. Will book orders for spring pigs. C. L. TICER, HARRAH, OKLAHOMA.

SUNSET DUROCS

Only three more Durocs we consider good enough to ship. Watch this space next week. E. B. TILSON, CONCORDIA, KANSAS.

BUY DUROC PIGS NOW!

Extra fine February and March pigs for sale at prices that will interest you. BONNIE VIEW FARM, BERRYTON, KAN. Eight miles southeast of Topeka. Searle & Cottle, Proprietors

Perfection Stock Farm

Nov. boars and gilts, also 80 choice spring pigs, by State Fair grand and reserve champions. Pairs and trios not related. Ship on approval. Prices right. Write your wants. Geo. M. Glasen, Union City, Okla.

Bancroft's Durocs.

We hold no public sales. Nothing but the best offered as breeding stock. Choice Sept. boars, tried sows and September gilts, open, or bred to order, for fall farrow. 80 Feb. and March pigs, either sex. Pairs and trios not akin. Prices right. Customers in six states satisfied. Describe what you want. We have it. D. O. BANCROFT, OSBORNE, KAN.

SPRING PIGS

I am now booking orders for Spring Pigs, either sex, sired by Captain Hutch, King Hadley 2d, Hutch Jr., Mow's Longfellow Price, Panoramble and A Wonder out of Long King's Equal sows and sows of the best out of long King's Equal sows in size and quality. big type breeding and immense individuals in size and quality. Order early and get first choice. Pigs shipped at three months old. Nothing but first class stuff shipped. Send for private sale catalog and prices. In buying at this age you save enormous express charges. "THE HOME OF CAPTAIN HUTCH." C. W. JONES, SOLOMON, KANSAS

Poland Chinas That Grow Big

Booking orders now for spring pigs—boars and gilts—by A Wonder, the 1,200-pound boar and out of 700 and 800-pound sows, some extra fine prospects. Also pigs sired by Big Joe and out of A Wonder sows. These are great. Get your order in early. They are going fast. Pigs shipped about 3 months of age. Write for my private sale catalog. It is a history of my herd, including the great A Wonder and his get. HENRY FESSENMEYER, CLARINDA, IOWA

DUROC-JERSEYS.

BRED DUROC GILTS FOR SALE! Fall boars, 2 yearlings, April pigs at weaning time. Extra good yearling herd boar. Write for prices and your wants to J. E. WELLER, FAUCETT, MO.

CLOVER DALE DUROCS

Herd boar, Western Wonder Again No. 100667, by The Western Wonder, dam, Lady Silkworm. 100 gets him. September boars \$20, September gilts \$15 and \$20.00. Sows bred for July farrow, \$35 to \$60. L. T. SPELLMAN, R. R. No. 8, Paola, Kan.

SCHWAB'S DUROC - JERSEYS!

A choice lot of big, husky spring boars at \$25, if taken soon. Also young sows bred for April, May and June farrow, priced right. GEO. W. SCHWAB, CLAY CENTER, NEB.

POLAND CHINAS.

BRED GILTS FOR SALE. Nine gilts, some bred and some open, out of sows by Capt. Hutch, Prince Hadley, etc. Bred to Exalter's Wonder. Also a tip top tried herd boar for sale. These are good and will be priced right for quick sale. C. L. BRANIC, HIAWATHA, KANSAS.

W.E.Epley's Polands

Some good October boars for sale. Strictly big type. W. E. EPLEY, DILLER, NEBRASKA.

Welch's Big Type Polands. Large, growthy, good boned, stretchy young boars and gilts. A great bargain, also, in our herd boar by Progression. Write for particulars. L. H. WELCH, GARFIELD, KANSAS.

Tabor Valley Polands

15 fall gilts bred for August and September farrow. Also 10 September boars for sale. Big, growthy stock. Priced to sell quick. L. E. KLINE, - Zeandale, Kansas.

Fall and Spring Boars

I have 7 spring yearling boars and 5 Sept. fall boars for sale. Big, smooth boars of big type breeding. Priced right. A. L. ALBRIGHT, Waterville, Kas.

HALF TON BOAR FOR SALE

GIANT MONARCH. Also a few tried sows bred to this great boar. W. C. MILLIGAN, Clay Center, Kan.

DOOLEY'S BIG SPOTTED POLAND CHINAS

Herd headed by Etterville Chief by Brandy wine. Herd sows selected from top Faulkner's herd. Booking orders now for spring pigs by Etterville Chief, Budweiser, Brandy wine. They will please, are priced right. Edgar Dooley, Etterville, Mo.

MAPLE GROVE HERD

Big Type Poland Chinas. Herd headed by EXPANSION LOOK #1191. Best of big breeding and individuality represented in my sow herd. Fall sale October 26. R. B. DAVIS, HIAWATHA, KANSAS.

Mt. Tabor Herd Polands

Pairs and trios not related. 100 spring pigs to select from. Also some choice fall gilts open or bred later for fall farrow. Bred spring gilts all gone. J. D. WILLFOUNG, Zeandale, Kansas.

Manderscheid's Polands.

Fashionable blood lines. High-class individuals. Spring or fall boars; gilts, bred or open. Prices reasonable. Descriptions guaranteed. Write today. E. J. MANDERSCHIED, St. John, Kansas.

Dean's Mastodon Polands

Poland China hogs, the big-boned type, will weigh when mature, 800 to 1,000 lbs. Bred sows all sold. Will sell a few boars of serviceable age, also choice fall pigs, either sex. All

Immunized by Double Treatment

Herd headed by Mastodon Price, Columbia Wonder and Gritter's Longfellow 3d. Everything guaranteed and sold worth the money. Address CLARENCE DEAN, WESTON, MISSOURI

Mammoth Poland Chinas

My herd boars weigh from 800 to 1,000 lbs. Am now ready to ship 200 of the big, easy feeding, quick maturing kind. Tried boars and sows, last fall boars and sows, and spring pigs of both sexes. My terms are: If you are not satisfied return the hog, and I return your money. F. P. ROBINSON, MARYVILLE, MISSOURI

Poland Chinas

Bred sows at private sale. Also fall and spring boars. Sows bred to Tom Lipton, Welcomer, Iron Clad 2d and others. Priced right. Ask for prices and descriptions. JOSEPH M. BAUER, ELMO, KANSAS.

SHORTHORNS.

Milk and Beef Combination. Horace Sherborn, Catlin, Oxford Dura Sheep, Bourbon Red Turkeys, J. H. WALKER, LATHEW, MO.

SHORTHORN CATTLE
POLAND CHINA SWINE and CLEVELAND BAY HORSES. All stock pedigreed. Prices reasonable. Thos. B. Murphy & Sons, Corbin, Ks.

Valley View Shorthorn Cattle

25 cows and heifers bred to Orange Major 264704, 10 bulls of different ages sired by Major of Valley View 266325. Prices right. Breeding and individuals right. Address: ADAM H. ANDREW, GIRARD, KANSAS.

True Goods 337574

by Fair Goods, dam Rosie 10th by Standard Bearer, second dam Imp. Rosie 17th by Scottish Victor, heads my herd of carefully selected Scotch cows. Young stock for sale. T. J. BLAKE, HIWATHA, KANSAS.

SCOTCH AND SCOTCH TOPS.

FOUR BULLS 10 TO 18 MONTHS OLD—ALSO SOME GOOD COWS AND HEIFERS. S. B. AMCOATS, CLAY CENTER, KAN.

SHORTHORNS

6 bulls from 12 to 18 months. Roans and reds. Scotch Tops. Address, L. M. NOFFSINGER, OSBORNE, KAN.

Lookabaugh's Shorthorns

Violet Search by Searchlight at head of herd. Breeding stock, both sex. Prize winners and descendants of prize winners. Write your wants. H. C. Lookabaugh, WATONGA, OKLAHOMA

Pearl Herd of Shorthorns

I have a select bunch of young bulls from six to 20 months old, well bred, well grown and the making of good useful animals. They are both reds and roans. Can ship via C. R. I. & P., A. T. & S. F., U. P., and Mo. Pac. Address: C. W. TAYLOR, R. R. No. 2, Enterprise, Kan.

POLLED DURHAMS.

Polled Durham Bulls

Six well bred young bulls and a limited number of cows and heifers for sale. C. M. HOWARD, HAMMOND, KANSAS.

Woods Polled Durhams

Roan Hero Bulls and Heifers for Sale. Three bulls from 12 to 22 months old, a Mina, a Brawith Bud and a Necklace, two roans and a white of top quality and ready for service. Also a few choice yearling and two-year-old heifers. These will be priced right for quick sale. Come and see or write C. J. WOODS, CHILES, KANSAS.

HEREFORDS.

MATHEWS HEREFORDS

Big, strong yearling bulls, also extra good cows and heifers, strong in Anxiety 4th blood. Special prices on ear lots. Write today. FRED MATHEWS & SONS, Kinsley, Kan.

HEREFORD BULLS

Carload coming 2-year-old and 75 strong yearlings, the best bunch I ever had to sell. Prices right. SAML. DRYBREAD, Elk City, Kan.

GALLOWAYS.

Capital View Herd of Registered Galloways

For Sale: a fine lot of young bulls in numbers to suit purchaser. For further particulars call on or write G. E. CLARK, 2301 Van Buren St., Topeka, Kan.

Fort Larned Herd

40 REGISTERED BULLS. 20 GALLOWAYS and 20 RED POLLS. 10 to 20 months old. Priced to sell. E. E. FRIZELL, LARNED, KANSAS

ABERDEEN-ANGUS.

RIDGE PRAIRIE ABERDEEN ANGUS.

Rutger Heatherson 3d 118104, a choicely bred Heatherson, in service. The best families represented. A few choice cows, bred, and open heifers for sale. Prices right, satisfaction guaranteed. W. G. DENTON, DENTON, KANSAS.

Sutton Farm Angus

For sale, our entire crop of 1911 spring bulls, individually or in carloads; great, well grown, lusty fellows, sired by the best of herd bulls. Bulls from this herd sire winning steers in Chicago, Denver, Fort Worth and Kansas City shows annually. Also 20 head imported and Canadian bred Shropshire sheep, and selections from a large and high class herd of Berkshire hogs. SUTTON FARMS, LAWRENCE, KANSAS.

six of them will stand well up in the money at the shows this fall if carried on. They represent the Victoria, Gwendoline, Jenny Lind, Violet, Lustra and Lavender families. The Scotch topped section of the offering represents the very best American bred sorts. Of the offering Mr. Nevius writes: "The bulls are bred right and are good enough to head the best herds. They are right individually. The sale cattle are doing nicely now, with plenty of grass, and are just coming into their usefulness, so should be the best and most valuable lot of cattle we have ever offered." The catalogs are ready for mailing and will be sent upon request by mentioning the Mail and Breeze to Mr. Nevius. Write for one now.

The Nevius-Wedd Sale.

It hardly seems possible that a day could be too nice on which to hold an auction sale of purebred livestock, but that is the very thing which happened at the Nevius and Wedd Poland China sale, held Tuesday, May 14. The farmers of that locality had been kept out of their fields so long and the weather that week was so fine that nothing short of election day would have kept them from their work. In spite of this the attendance was fair and the 30 odd head sold made an average of around \$30. Of course that is not the real value of bred sows and especially this year, but those who bought will surely make good money and be future and regular customers of these breeders. H. B. Walter of Effingham, Kan., topped the sale on the good Blain's Tec. 2d sow, Queen Model 6th. Blain's Tecumseh females have no superiors as individuals or as producers and Mr. Walter has three or four. Col. Harriman did good work on the block and sold the offering in a short time. He was also a liberal buyer and bidder of the better lots offered. The following will give an idea of how they sold.

WEDD'S CONSIGNMENT.

A—Boar, W. F. Meng, Paola, Kan....	36.00
2—A. G. Banks, Lawrence, Kan....	46.00
4—H. M. Justice, Stilwell, Kan....	32.00
5—W. F. Meng	35.00
6—S. W. Rice, Gardner, Kan....	24.00
8—Jno. Wise, Olathe, Kan....	23.00
11—Albert Wise, Olathe, Kan....	28.00
16—S. A. Nelson, Ocheltree, Kan....	30.00
22—S. W. Rice	45.00

Doolittle's O. I. C's.

W. P. Doolittle of Woodland, Mo., is a breeder of O. I. C's that is producing a highly desirable type of this great breed. The business of breeding O. I. C's has been a careful study with Mr. Doolittle and the results he is getting—and he is getting results—do not come by accident. First of all he has a herd boar in White Eagle Chief 32392, a son of the great Keep On 16017, that for high class breeding and as a sire of the right kind, has few superiors. Secondly Mr. Doolittle has a herd of sows, not a great many, of the right type, quality and producing worth, which mated to this boar have produced an excellent lot of pigs. The bulk of the present spring crop of pigs is by this boar. Other litters are by Inheritance 35048, combining the blood of Mo. Chief and Tootsie 2d, and a boar that would weigh 1,000 pounds. Other litters are by Silver Edge and Silver Tip, boars strong in the blood of High Score and Combination. Nymph, by the World's Fair champion, White Oak, and out of a dam by the prize winning Griffith, and four of her daughters, three by Mo. Boy, by Mo. Chief, and one by the present herd boar, are producing each year big litters of choice pigs. This family is very prolific even for this very prolific breed and are strong producers. Other sows in the herd are by High Score 2d, Ed's Winner, Running Water and High Roller Jr. It is Mr. Doolittle's policy to breed gilts so they will have their first litters at 1 year old and then not to breed them again until 2 years old. In this way he has been able to develop the gilts into big, strong sows and excellent producers. After they are 2 years old they raise two litters a year. Mr. Doolittle will hold a sale this fall at Woodland, the date to be decided some time later. In the meantime he is booking orders for pigs at weaning time and at prices that are decidedly attractive considering the breeding and quality. Write him per this notice or his advertisement which appears elsewhere in this and subsequent issues. Kindly mention the Mail and Breeze when writing.

Kansas and Missouri

GEO. W. BERRY.

J. J. Baker's Duroc Sale June 4.

J. J. Baker, Duroc-Jersey breeder, Independence, Kan., the owner of the famous show and breeding boar McNeil's Model and one-half interest in the celebrated B. & C's Col., will hold a public sale of bred sows and gilts on June 4. The offering includes a number of Buddy K. IV and B. & C's Col. gilts bred to McNeil's Model or B. & C's Col. Mr. Baker will sell his good herd boar M. H. S. Col., also a half interest in the McNeil's Model. Remember the date of the sale and plan to attend.

Matt Alton's Poland China Sale.

The sale of Poland China hogs by Matt Alton at Erie, Kan., on May 15 was attended by a fair representation of breeders and farmers of southern and eastern Kansas. The weather was of the ideal sort in the morning but immediately after the crowd assembled at the ringside a rain storm accompanied by wind endangered the safety of the large tent. To add to the uneasiness occasioned by the storm, a section of seats occupied by spectators broke down. While no one was seriously injured the confusion caused by the accident checked the progress of the auction and no doubt materially weakened the bidding and reduced the prices on a number of valuable animals. The two frequent occurrence of such accidents at sales should be sufficient warning to breeders to avoid such misfortunes at future auction events, by erecting seats with strong supports and braced to insure absolute safety. The offering was one of the best that has been made lately and was presented in fine condition. No better found.

(Continued on Page 27.)

Nevius' Annual June Sale of Shorthorn Cattle

The most select lot of Scotch and Scotch-Topped Shorthorns ever offered from the Glenwood Herd. Fifty head—12 bulls and 38 females—10 with calves at foot. Sale at

Chiles, Kan., Thursday, June 6

Searchlight 292031, acknowledged as one of the greatest individuals of the breed—a winner at the leading shows and a sire of winners is the sire of 11 of the bulls to be sold and a better lot is seldom offered in one sale sired by one bull. For high-class herd bull material this sale presents one of the year's best opportunities.

Prince Pavonia's daughters—15 of them. Eight by Searchlight and others of choice Scotch breeding bred to Searchlight, Prince Pavonia, Searchlight, Jr., and Prince Valentine 4th.

It is an offering of show and breeding cattle from a herd that has accomplished things. Over half the offering of best Scotch families—a practical, useful and valuable lot of cattle. It is the typical Nevius kind—sufficient proof of their excellence and breeding worth.

Write today for the Catalog, which gives complete information. When writing, kindly mention the Farmers Mail and Breeze to

C. S. Nevius, Chiles, Kan.

Cols. Harriman, Bellows and James, Auctioneers.

Auction Sale of 50 Imported Percheron and Belgian Mares and Several Colts

At Cedar Rapids Jack Farm, Tuesday, May 28, 1912

I will hold my Fifth Blue Ribbon Sale of high class Imported Percheron and Belgian mares, Tuesday, May 28. My buyer has been in Europe for six months selecting these mares especially for this sale and they are positively the best lot of imported mares ever offered in America. Some of these mares already have colts at side, but mare and colt will be sold together. I will also offer a few yearling and two-year-old stallions and a few imported three-year-olds, also a few choice jacks will be sold. The Percheron Society of France has closed the books for mares and only a very few can yet be imported. They are stopping it as fast as they can. This sale will be just about your last opportunity to get imported mares from France. Write for bills. Catalogues will be ready as soon as last mares come.

W. L. De Clow, Cedar Rapids, Iowa

DAIRY CATTLE.

Dutch Belted and Holstein

male and female calves for sale from exceptionally good milkers. Springdale Stock Ranch, Concordia, Kan.

HOLSTEINS —CHOICE BULL CALVES.

H. B. COWLES, TOPEKA, KANSAS.

LINSKOTT JERSEYS

ONLY REGISTER OF MERIT HERD IN KANSAS, offers at moderate prices a few heifers, open and bred; a few tested cows; bulls of serviceable age out of tested cows.

R. J. LINSKOTT, HOLTON, KANSAS

Choice Jersey Bulls

I am offering a few young bulls, sons of Oxford's Masterpiece, a son of Oxford Lad; Oxford's Brigadier, a son of Gambo Knight; Merry Maiden's Golden Lad, a son of Merry Maiden's 3d Son; and Eurybia's Exile. I have but a few of these calves that are ready for service. Will sell them reasonably while they last. Write for prices and particulars.

W. N. BANKS, INDEPENDENCE, KANSAS.

Holsteins For Sale

40 cows and heifers, fresh inside 30 to 40 days. Several cows, heavy milkers, fresh now. Also bulls from 1 mo. to 15 mos. old. IRA ROMIG, STA. B, TOPEKA, KANSAS.

RED POLLED CATTLE.

Foster's Red Polls A few choice bulls for sale. Also a few cows and heifers priced reasonable.

C. E. Foster R. R. 4 Eldorado Kan.

RED POLLED BULLS

and heifers by Actor 7781 and Launfal 13221. Cows large, plenty quality, represent best milking families. Also large type POLAND CHINAS. Pigs. Write or come.

CHAS. MORRISON & SON, Phillipsburg, Kan.

Bergner & Sons' Coach Horses

65 HEAD 65 HEAD

What do you know about the Coach Horse? Do you want to know more about the Coach Horse?

German Coach Horses

are the best general purpose horse for the farmer. They have size, beauty, action, endurance and intelligence and mature early. They stand gracefully both hardships of usage and climate. Many a farmer does not know what a great farm horse the coach horse really is. Let us tell you more about him and you will want him. We are offering young stallions and fillies, also mares in foal to the imported Oldenburg Coach Stallion Mephisto 4221. Call on or write, J. C. Bergner & Sons, "Waldeck Ranch," Pratt, Kan.

The Best Imported Horses

One thousand each. Home bred registered draft stallions—\$250 to \$350 at my stable doors. A. LATIMER WILSON, CRESTON, IOWA.

Belgian and Percheron Stallions and Mares

Imported and Home-Bred.

For Sale at Attractive Prices.

Blue Valley Stock Farm Blue Mound, Linn Co., Kan.

Brown Swiss Calves

For Sale. E. Bourquin, Bartlett, Kan.

Mule Foot Hogs

Bred sows and pigs in pairs, not related. Pedigree furnished. ZENE G. HADLEY, WILMINGTON, OHIO

BIG BARGAINS IN REAL ESTATE

Dealers whose ads appear in this paper are thoroughly reliable and bargains worthy of consideration.

320 A., 100 good alfalfa land, 160 natural hay land. Near station. \$30.00 per a., terms. Moore & Falls, Liberal, Kan.

2,000 A. RANCH. 200 broke. Mighty fine. \$16 per a. impr. and unimpr. lands, sale or ex. \$10 to \$25. Spencer & Spencer, Sedan, Kas.

NOTHING pays better than an investment in our "Great Arkansas Valley Irrigated Lands." We have just what you are looking for. Write W. L. Van Horn & Co., Garden City, Kan., for particulars.

BUTLER CO. SNAPS. 400 a. fine land, highly imp., permanent water, 120 cult., town 2 mi., \$40. 400 a., fine sheep ranch, permanent water, 80 cult., \$4,000 improvements, town 4 mi., \$30. V. A. Osburn, Eldorado, Kas.

A SNAP, if sold by June 1st. 160 acres, 2 1/2 miles Amlot, Kan. 130 acres tillable, balance pasture. Black loam soil. 1 1/2 acres orchard, 4 room house; barn for 6 horses, other outbuildings. Fenced with wire. 8 acres hog fence. Incumbance \$1,300.00. Price \$6,000.00. E. R. HUTCHISON, Amlot, Kan.

FOR SALE—Restaurant, short order and rooms; centrally located on main street in a town of 12,000, doing a fine business and making good money. Owner must sell on account of other business. Write at once for particulars. McCOWN'S REALTY CO., Emporia, Kan.

159 A., 1 mi. of town; well improved; all tillable; price \$50 acre; \$2,000 down, remainder long time at 6 per cent. 60 a., 4 mi. of Ottawa, Kan., 40 a. wheat goes with the place. Price \$60 per acre. MANSFIELD, Ottawa, Kansas.

FORD COUNTY, in great wheat belt, best of soil, climate and water. DODGE CITY, COUNTY SEAT, where we expect half million worth improvements this year and new R. R. running southwest. Have lands from \$12.50 to \$40.00 per acre, one-seventh cash, balance in seven equal payments. Co-operation solicited. SANTA FE LAND CO., Dodge City, Kan.

2,000 ACRES in Central Kansas, good buildings, 70 a. wheat, 200 in cultivation. Fine pasture, price \$16 per acre. 1/2 cash, balance to suit purchaser. Have other farms and ranches for sale or trade. TOMSON & COOVER, Topeka, Kan.

NEW LIST FREE describing Anderson county farms, \$40 to \$60. Geo. W. Iler & Son, Garnett, Kan.

MCPHERSON COUNTY, KAN. Improved land \$40 to \$100. Write for particulars. A. W. Bremyer, McPherson, Kan.

CHEAP KANSAS AND OKLAHOMA FARMS 1,440 a. joining good Oklahoma town, fine improvements, price \$30, all on time. Howard, The Land Man, Wichita, Kan.

FARM BARGAINS. Choice wheat and alfalfa lands in famous Medicine and Sharon Valley, \$25 to \$50 per a. J. P. DUNCAN REALTY CO., 712 Beacon Bldg., Wichita, Kan.

LINN COUNTY FARMS. Biggest bargains in Kansas. Corn, wheat, timothy, clover, bluegrass land \$15 to \$30. Coal, wood, gas, abundance good water. Fruit and everything that goes to make life pleasant. Large illustrated folder free. EBY BROTHERS & CADY, Pleasanton, Kan.

CHASE COUNTY RANCH. 1,460 acres, 150 acres under cultivation creek bottom, well improved; well watered, springs, wells and creek; 7 miles of town. Price \$23.50 per acre. Other farms. KLOTZ & HOEL, Cottonwood Falls, Kan.

COFFEY COUNTY, KANSAS. In heart of corn and tame grass belt. Farms and ranches \$30 to \$50. List free. LANE & KENT, 3rd St., Burlington, Kan.

80 ACRES ALFALFA LAND for sale. If interested write for list of ten 80-acre tracts near Salina. V. E. NIQUETTE, Salina, Kansas.

BARGAIN. 160 acres, good land. 8 room 2 story dwelling, good barn and outbuildings, well watered, shade trees, orchard, fine location, school across road, 3 miles from town, sure bargain at \$50.00 per acre. Send for list of bargains. F. C. LIBBY, Blue Mound, Linn Co., Kansas. J. L. Wilson, Salesman.

460 A. ALFALFA BOTTOM LAND \$38.00 a. 100 alfalfa bottom land, \$30 a. 160 a., splendid black prairie land, good new house and barn, fenced and cross fenced, without a blemish, \$50.00 a. Send for list of 40 farms, in rainbelt of southeastern Kansas. J. B. COOK, Chetopa, Kansas.

WESTERN KANSAS LAND A. T. & S. F. R. R. is building from Dodge City southwest through Stanton. Good lands at \$8.00 per acre. Grant Co. lands \$10.00 per acre. Morton Co. lands \$10.00 per acre. 1/2 to 1/4 cash payment down. Send for map and full description. BROWN & VERNON, Dodge City, Kan.

\$36.00 PER ACRE—356 a. Washington Co., Kan., land, 5 miles from town, 95 a. in cult., 25 a. in alfalfa, 236 a. in pasture, same has living water, all fenced and cross fenced. 6 room new frame house, new barn for 6 head of horses, 50 head of cattle and 30 tons of hay, a good well with windmill. An A No. 1 stock farm. Price \$36.00 per a. Will be on the market only a short time, so get busy. Wire, or come at once. Pralle Bros. Realty Co., Bremen, Kansas.

FOUND A beautiful, smooth, level half section of land lying 9 miles from town that we can sell for \$3,600. The cheapest half section on the market; first class soil. No better proposition in the county. Who wants it? COONS & JACOBS, Plains, Meade Co., Kan.

Grant County Kansas Land I have for sale nice smooth land, tributary to the new Santa Fe cutoff at from \$8 to \$11 per acre. Write for full information. T. W. MARSHALL, New Ulysses, Kan.

LAND! LAND! LAND! In Okla., Gulf Coast country and Kan. Prices low; terms easy. Exchanges made. JABEZ F. BRADSHAW, Lenexa, Kan.

DON'T READ THIS unless you want to make a good profit on a small investment. I have a proposition to offer that you cannot afford to let pass you. Level, well located residence and business lots in rapidly growing town. Prices \$12.50 to \$50, easy monthly payments. Write for particulars. JOHN W. BAUGHMAN, Desk "G," Plains, Kan.

Buy From the Owner Cheap I have a good half section smooth dark sandy loam, 10 miles from Hugoton, Stevens Co., Kan. Well and other improvements. Santa Fe R. R. building to Hugoton will enhance value. Price \$3,200. Will carry \$2,000 till Jan., 1914, at 7 per cent. This is your chance. E. J. THAYER, Liberal, Kansas.

ALFALFA LANDS \$40 to \$50 ACRE

EAST END OF HODGEMAN COUNTY Very best bottom land, with running water, some timber. Excellent wheat land at \$20 to \$30 per acre. Come and see or write for list. M. W. PETERSON, Hanston, Kan.

DICKINSON COUNTY BARGAINS

We have many fine river and creek bottom land and also fine upland farms for sale. Good wheat, corn and alfalfa lands at reasonable prices. Write for lists. Mention this paper. BRINEY, PAUTZ & DANFORD, Abilene, Kansas.

Attention Farmers! Northeast Kansas Farm For Sale!

160 acres between Hiawatha, Brown Co., Kans., and White Cloud, Doniphan Co., Kans. All fenced; 6 room house; 55 acres bluegrass pasture, fenced; balance in corn land, all upland; an abundance of good water; farm in a good neighborhood on main road and close to school. Price \$90.00 per acre; abstract showing title good. Will sell or exchange for quarter section cheaper land (if clear) for part pay and give any responsible person time on balance. If you are interested in locating in Northeast Kansas where they always raise a corn crop, investigate this. Address JAS. P. KELLEY, Owner, White Cloud, Kansas.

An Ideal Ranch

1,120 acres, 7 miles from Goodland, the county seat of Sherman county Kansas; Two (2) good frame houses, splendid barn 42x40 feet, large cattle shed, two chicken houses, splendid well of water equipped with good wind mill; 200 acres in cultivation; 640 acres fenced with two wires; soil is a deep loam, suitable to all crops native to this zone. Every acre of this farm is smooth tillable soil; "rough land"; shallow to water; irrigation can be established cheaply from the underflow.

This is certainly one of the most ideal farms in western Kansas. Owners are old and wish to retire. Price, for immediate sale only, \$15.00 per acre. Goodland is a thriving town of about 2,500 people, a division point on the Rock Island Ry., has fine schools and churches, where all of the environments of any eastern town are enjoyed.

E. W. SULLIVAN,
Box 777. Goodland, Kans.

Sedgwick County Farm Bargains

320 a. farm; best alfalfa, corn or wheat land; lays level; shallow to soft water, improved; \$65.00 per acre, half cash. 160 a. well improved; all hog fenced; \$50 per acre, half cash. 80 a. farm, valley land; good house, barn; 20 acres alfalfa; \$80 per a., terms. 160 a. alfalfa land improved; one mile R. R. station and fine Catholic church; \$80 per a., terms. 1,360 a. ranch improved. Living water; \$22.50 per acre. H. E. OSBURN, 227 East Douglas, Wichita, Kan.

Old Electric Car Line Well improved 272 a. farm. Montgomery Co. Adjoins market. All level productive land. Price \$55 per acre. Must sell soon; a real snap. Write FOSTER BROS., Independence, Kan.

A Good Eighty For Sale 80 acres 3 miles from town, 60 a. in cultivation, balance in hay and pasture, 6 roomed house, barn 36x36 ft. Good rich land. \$60.00 per a. This will bear inspection. Address A. E. CLARK & SON, Pomona, Kan.

OKLAHOMA.

BEST FARMS in Oklahoma \$20 to \$50 per a. Write C. A. West, Miami, Okla.

EASTERN Oklahoma Indian lands. List free. Write F. S. Ashleman, Nowata, Okla.

EASTERN OKLAHOMA farms for sale by owner. All prices and sizes. Write W. A. Hancock, Pryor, Okla.

GOOD 170 ACRE central Oklahoma bottom farm; 8 miles from one railroad station, and 2 miles from new road to commence building soon; 115 acres in cultivation; fair improvements. Price \$6,500. LAMBERT-HART COMPANY, Shawnee, Oklahoma.

320 A. 1/2 mi. R. R. town, smooth, black, rich soil, in wheat, fine prospects, good water, good imp., \$50.00 per a. with 1-3 crop. J. H. Fuss, (The Land Man), Medford, Okla.

GOVERNMENT FARMS FREE—Our 1912 official 132 page book, Free Government Land, describes every acre in every county in the United States; contains township and section plats, Maps, Tables and Charts showing inches rainfall annually, elevation above sea level by counties. Homestead, other government land laws, tells how and where to get government land without living on it. Application Blanks, United States Patent. All about Government Irrigation Projects, map showing location of each. Tax laws of each state, other information. Price 50 cents postpaid, direct from publisher. THE HOME BUILDERS, 508 West Main St., Oklahoma City, Okla.

FOR BEST FARM LANDS in Payne and adjoining counties, \$20 to \$50, write Ira Stout, Farmer's State Bank, Cushing, Okla. Map and list free.

MR. HOMESSEEKER AND INVESTOR. We have a farm for sale which has paid in rents for last four years, without cost to owner, 22 per cent of his price. We will prove this beyond question. Write us about it, also other lands, particularly pasture lands. SOUTHERN REALTY COMPANY, McAlester, Okla.

FOR IMPROVED FARMS in the golden spot of Oklahoma, write JOE CAKE, Hunter, Okla.

POCKET MAP OF OKLAHOMA for five names of persons in. ending to change. Caddo county corn and alfalfa land. BALDWIN & GIBBS CO., Anadarko, Okla.

TERMS TO SUIT. 160 a. 7 miles of Medford, 4 1/2 miles of R. R. town, 35 a. fenced with 3 ft. woven wire in pasture, balance in cult., good orchard, small fruit, fine water and mill, 4 room house, large barn and sheds, 2 miles of school, some wheat. Good loose loam soil, good ALFALFA land. Write us for trades. BATTEN REALTY CO., Medford, Okla.

All About Oklahoma Send for my free book. PERRY DEFORD, Oakwood, Okla.

Oklahoma Wants You 500 choice farms for sale. Titles good. Easy terms. Soil and climate excellent. Write for list. Roberts Realty Co., Nowata, Okla.

Indian Lands for sale, 300 choice farms, N. E. Okla., low prices. Easy terms. Perfect title. E. T. TETER & CO., NOWATA, OKLA.

GET A FARM ON PAYMENTS Oklahoma farm lands to actual settlers on time payments with or without any cash. List of 120 farms to select from. Write for list and prices. JOSEPH F. LOCKE, Wynnewood, Okla.

Eastern Oklahoma Land \$3.00 to \$25.00 per a. Prices are steadily advancing—now is the time to buy. If you want a good, cheap home, or a money making investment, write to or call on W. T. HARDY, McAlester, Okla.

ARKANSAS.

38 CHEAP farms for sale in White Co., Ark. Letona Realty Co., Letona, Ark.

ARKANSAS FARMS. For good farms, level land, fertile soil, \$8 to \$16 an acre. Write Moore, Searcy, Ark.

IF INTERESTED in N. E. Arkansas farm and timber lands, write for list. F. M. MESSER, Walnut Ridge, Ark.

BARGAINS in north Ark. Good valley farms and cheap dairy and grazing land. Clayton & Wayt, Hardy, Ark.

ARKANSAS.

RED RIVER corn and alfalfa farms, \$20 to \$50 per acre; income \$50 to \$60 per acre. List free. L. A. JUSTUS, Foreman, Ark.

FOR des. literature, city props., Ark. and Okla. farm, fruit, timber and grazing lands, write Moss, Hays & Co., Siloam Springs, Ark.

FOR FREE INFORMATION about Arkansas fruit and general farming land, at low prices, on liberal terms, write us. New list free. Griffin & Wasson, Gentry, Ark.

160 A. GOOD SOIL, \$2,400. 1/2 cult., family orchard, 2 small houses, good well, spring and branch, school 1 mi., R. F. D., and tel. line 1/4 mi., on public road 6 mi. from Horatio, "City of Peaches." Best farm, fruit and stock section in state! PORTER LAND CO., Horatio, Sevier Co., Ark.

688 A., 2 mi. from Imboden. About 155 cleared and cultivated. About 100 bottom and valley. Bottom, upland and hill yet to clear. Fair house. Well watered. Make a general purpose and livestock proposition. \$15.00 per acre. For particulars write J. L. M'KAMEY, Imboden, Lawrence Co., Ark.

160 ACRES black alfalfa land; soil 15 feet deep; if not as rich as yours will pay your expenses to see it. Price \$25.00 per acre. Ask for map and list. H. M. McIVER, Texarkana, Ark.

ARKANSAS LANDS. For fruit or general farming, at much less than their actual producing value. Fruit, berries and all staples grow to perfection. Land values are advancing rapidly. New list free. COLLINS & HUNSAKER, Decatur, Benton Co., Ark.

FOR BARGAINS in Arkansas farm and timber lands, write H. G. LONG, Hoxie, Ark.

IF YOU WANT TO BUY ARKANSAS LAND Write S. C. Dowell, Walnut Ridge, Ark. Finest farming, timbered and rice lands in the state at lowest prices. No trades.

ARKANSAS FARM. 240 a., 6 miles town—40 a. in cultivation—house, barn, etc., \$3.50 per acre cash. RINGLANDS, McALESTER, OKLA.

ARKANSAS FARMS. 240 acres improved, \$3,000. 160 acres unimproved \$1,800. 40 acres improved, \$1,000. Every one a bargain. Send for my list and buy direct from owner. J. G. HOWARD, Little Rock, Ark.

A HOME FOR YOU IN ARKANSAS. 80 acres farm, 25 in cultivation, 5 room house, barn and outbuildings—4 mi. from city, \$1,500.00. Easy terms. 800 acres, cut over land, will make good upland farms. Some cleared land now in cultivation on tract. \$10.00 per acre. Easy terms. Farms, Lands, Homes. 16 years' experience in Arkansas lands. REAL ESTATE DEPARTMENT, TEXARKANA TRUST CO., TEXARKANA, ARK.

Colored map of Arkansas for 2c stamp.

120 Acres Fine Timber Land

Part bottom, soil productive, \$10 per acre, cash; would take good automobile at \$800, balance cash. I have 75 other farms for sale. HUBERT HALL, Waldron, Ark.

For Sale in Southwest Arkansas

80 improved farms at a price ranging from \$15.00 to \$40.00 per acre. Write for literature. SOUTHERN REALTY & TRUST COMPANY, Ashdown, Arkansas.

Scott County, Arkansas

where land values are steadily advancing. Prices range from \$10.00 an acre up. Fine for fruit, stock raising and general farming. Get our new list. Mail free upon request. SANFORD & SANFORD, Waldron, Ark.

MISSOURI.

DAIRY, poultry, fruit, stock and timber lands, all sizes and prices. Write Ozark Realty Co., Birch Tree, Mo.

HEY, THERE! Good farms at \$10.00 to \$100.00 per acre. Get list and booklet. Baker Realty Co., Mountain Grove, Mo.

101 ACRES, 11 miles West Plains, county seat Howell Co. 85 acres in cultivation, balance timber and pasture. All fenced. Best of water, good six room frame house, shedded log barn, good orchard. One mile to busy inland town up-to-date. Price \$3,000.00, time on \$1,800.00 at 7 per cent interest. Cash only considered. Write JAS. B. WEBB & CO., West Plains, Mo.

BLUEGRASS FARM BARGAIN. Six hundred eighty acres, close to railroad town, fine farm, large house, many good barns, artesian water. Best bargain in Missouri for \$35.00 per acre. If you investigate you will buy. J. E. WALTON, 222 South St., Springfield, Mo.

CARTER COUNTY BARGAIN.

150 acres of good unimproved farming land, located 9 miles of Van Buren, county seat of Carter Co. Fine pasture land, also fine for dairy and fruit farming; in fact you can raise almost everything raised in the North. Fine climate, good water, schools, churches. A bargain at \$10 per acre. Write JOHN M. CARNAHAN, Van Buren, Mo. (County Clerk and Recorder, Carter Co.)

FREE: "Homeseekers' Review" BEST LAND Journal Published Many big bargains. WEST PLAINS REAL ESTATE CO., West Plains, Howell County, Mo.

What Breeders Are Doing.

(Continued from Page 25.)

ation breeding stock has passed through a sale ring, nor will again for some time. A number of big, smooth, brood sows sold at low values and buyers received bargains. Forty head of bred sows and gilts sold at an average of \$35, and the entire offering of 56 head averaged \$28.35. F. J. Zaun, C. F. Beard and Asa Dorsey were the auctioneers. The sales in part are listed. No.

1—R. P. Sare, Erie, Kan.....	\$36.00
2—Thomas Linn, Meriden, Kan.....	72.50
3—J. J. Ryan, Erie, Kan.....	36.00
4—John Casey, Erie, Kan.....	35.00
5—E. R. Dorsey & Son, Girard, Kan.....	25.00
6—Fred Johnston, South Mound, Kan.....	29.00
7—Roy Johnston, South Mound, Kan.....	52.00
8—J. M. Marks, Stark, Kan.....	43.00
9—Mrs. Robert Mitchell, Erie, Kan.....	49.00
10—Harry Boken, Moran, Kan.....	37.00
11—F. S. Haas, Erie, Kan.....	39.00
12—Ell McCormick, Erie, Kan.....	25.00
13—A. G. Banks, Lawrence, Kan.....	51.00

Iowa

GRANT GAINES.

Long King's Equal is proving the equal of any big type Poland China boar for the demand for his get is any criterion. Mr. Lawson, his owner, is preparing to offer a grand lot of sows bred to long King's Equal and the get of him in his August 7 sale. Watch for future announcements.

Polands That Are Prolific.

Here is one for the man who does not think the Poland China prolific. One of J. W. Pfander & Sons' sows farrowed this spring 16 live pigs and was raising 12 when this writer was at the farm. Pfander & Sons are having their usual good luck with pigs this season and their young herd boar, Big Ben, is developing into a real prospect. More about this herd soon. They sell a select bunch from their herd August 8.

Tops From Two Herds.

L. R. McClarnon and J. O. James, Bradysville, Iowa, will hold a public sale of Poland Chinas, consisting of bred sows, spring gilts and boars, on August 9. This offering will be the get of Big Orange, Sensation, Colossal and other boars of note. This sale will be one of a series of sales to be held in August and the combined offering of these two breeders will easily make one of the best lots of Poland Chinas ever sold in Iowa. Big Orange, the chief herd boar of these herds, is more popular than ever and his get are growing into the kind all want and are willing to pay good money for. Readers of this paper should keep the date of this sale in mind and watch these columns for more detailed announcement from time to time.

The Crimson Wonder Family.

Crimson Wonder I Am is dead. After years of active usefulness to the Duroc-Jersey breed the old hog has "checked out." Crimson Wonder I Am was an extraordinary boar and belonged to a family of prize-winning distinction. The Crimson Wonders have long been aristocrats. They have been the winners of the purple at the great state fairs and have been able to hand this honor down from sire to son. After a brilliant career Crimson Wonder I Am passed for awhile into obscurity though the breeding fraternity never ceased to talk about him. Last year Mr. J. C. Droz, Fairfield, Iowa, bought him and bred a select lot of sows to him which he sold last season at good prices. Mr. Droz feels his loss in the death of Crimson Wonder I Am. Though he owned him less than a year the old hog owes him nothing. And this is the story often repeated when meritorious sires are used. Their value is beyond compute and they always pay a dividend. The most distinguished member of the Crimson Wonder family left living is Crimson Wonder Again who has the longest list of prize winners to his credit of any living Duroc. Crimson Wonder Again is as active as any boar we ever saw 6 years old. Longevity and constitutional vitality are marked characteristics of this family. Mr. H. S. Allen, Russell, Iowa, who was recently visited by the writer, will have something to offer readers of this paper this fall, the get of Crimson Wonder Again. L. R. Van Nice, Russell, Iowa, is now offering fall boars and spring pigs by Crimson Wonder Again. They are out of high bred sows and prospective buyers of herd boars should write Mr. Van Nice about his offering. Delays will cost you money. Do it now.

Editorial News Notes.

It is indeed a pleasure to glance through the beautifully printed pages of a booklet that is being sent out free to all Farmers Mail and Breeze readers who request it, by M. V. Richards, Land and Industrial Agent, Southern Railway Company, Room Washington, D. C. This booklet is a treatise on stock raising in the Southeast. The introduction says that the stockman should look to Virginia, North Carolina, South Carolina, Georgia, Florida, Alabama, Tennessee, and Kentucky for the most profitable fields for raising horses, mules, cattle, sheep, hogs and poultry in the future. Each class of livestock is discussed under a particular head and beautiful pictures are presented to illustrate what is said. The booklet can be had free by writing to the above address and requesting it. Mention this paper when you write for the booklet.

This Man Says: King of Them All.

Nashville, Ark., R. F. D. No. 3, May 20, 1911. Dr. B. J. Kendall Co., Gentlemen:—Enclosed find stamp for which please send me your Treatise on the Horse and His Diseases. Of all the horse medicine I ever used, Kendall's Spavin Cure is king of them all.—W. C. Hutchinson.

Trial trip until January 1, 1913, for 25 cents, Mail and Breeze, Topeka, Kan.

MEXICO.

EVER HEAR OF MACINESO, Mexico? Place of FREE HOMES and perpetual income. Everything guaranteed. J. M. Mason, Columbus, Kan.

MISSISSIPPI.

SOUTHERN MISSISSIPPI.

Ideal for general farming as well as oranges, pecans, truck, grape fruit, etc. Anything that you put into the ground here in this genial climate grows and produces abundantly. Write for list, land \$10.00 up. SOUTHERN LAND CO., Wiggins, Miss.

IOWA.

IOWA FARM FOR SALE.

160 acres five miles of good town, well improved, \$90 per acre. Easy terms. Write for illustrated list showing this, and fifty other improved farms, Buchanan and Fayette county, Iowa. NORTHERN IOWA LAND COMPANY, Independence, Iowa.

FLORIDA.

FLORIDA—10-acre tracts, finest prairie land, De Soto county, Florida; sacrifice price, \$18 per acre; monthly payments. C. E. Johnson, owner, Parsons, Kan.

Florida Lands For General Farming

We have 10,000 acres of the best farm land in Central Florida for sale in tracts of 40 acres to 440 acres. Land nearly level, good drainage, splendidly adapted for raising vegetables, grain, livestock and citrus fruit. When the purchasers of Florida land get away from the 5 and 10 acre idea and buy lands and farm them as they do in the West the results will be far beyond those realized by western farmers. Prices \$25 per acre to \$40 per acre. Terms very easy. Address

Howard-Packard Land Co., Sanford, Fla.

FOR SALE OR EXCHANGE

GROCERIES and merchandise for farm. Other trades. F. Gass, Joplin, Mo.

BUY OR TRADE WITH US—Exchange book free. Bersie Agency, Eldorado, Kan.

LAND SOLD or exchanged, 2% com. Middle West Exchange Bureau, Cherryvale, Kas.

WRITE FOR LISTS, sale or exchange. The Eastern Kan. Land Co., Quenemo, Kan.

TEXAS LANDS and properties for ex. ask for trade bulletin. Deering & Neel, Houston, Tex.

FARM BARGAINS. Sales, trades. Want Tex. land. Don't trifle. Buckeye Agency, Agricola, Kan.

IF YOU WANT to buy or trade for an Arkansas valley farm, write to or call on C. L. Seeley, La Junta, Colo.

WE WANT stocks, residences, and farms listed for exchange. Write for listing blank. Cassoday Realty Co., Cassoday, Kan.

BOOK 1,000 farms, etc., everywhere, for ex. Get our fair plan of making quick square trades. Graham Bros., Eldorado, Kan.

STATE UNIVERSITY. Buy house in Lawrence, Kan., while schooling your children. Large list, sale or ex. Fugate Land Co.

FARMS AND MERCHANDISE for sale or exchange. We match deals any size, any place. United Land Co., Wichita, Kan.

TRADE what you have for what you want, list with us, we do the rest. H. C. BUTTS LAND COMPANY, Carrollton, Mo.

HUNDREDS of bargains in improved farms, located in 20 states. Sale or exchange, list free. W. P. Burrow, Warm Springs, Ark.

FOR SALE OR EXCHANGE—Good wheat and corn lands. Describe and price your proposition. Jess. Kinsner, Garden City, Kan.

FOR SALE OR EXCHANGE—Irrigated or unirrigated eastern Colorado lands at reasonable prices. Andrew Townsley, Holly, Colo.

LIST YOUR PROPERTY for exchange or trade. We make all kinds of exchanges and secure results. Write us. The O. F. Exchange Agency, Eldorado, Kan.

COME to Meade county and buy a home; no place offers better inducements; no county in state of Kansas has better water, soil and climate and everything considered, none can compete with us in prices. Come and see us or write for further information. Exchanges considered. Marrs & Day, Meade, Ka.

175 a. farm, Howell Co., Mo., 90 a. in cult., al. good timber, good apple and peach orch., some berries, 4-rm house, other outbldgs. Plenty good water, 2 mi. town. Will sell \$30 a. if sold soon. Half in good rental property, some cash, terms on bal. IOWA, MISSOURI & KANS. LAND CO., A. P. Cottrell, Mgr., Pomona, Mo.

ONE of the best businesses in Hutchinson to trade for land or city property worth the money, 1,800 acre stock ranch to trade for land or city property. B. M. MURPHY & CO., Hutchinson, Kan.

WE HAVE three good gen. mdse. stocks to exchange for real estate. KANS. INVESTMENT CO., 408 Barnes Bldg., Wichita, Kansas.

FINE smooth 800 acre farm very highly improved, 2 miles town, all fine land; want smaller farm east improved; this is one of the best improved farms in Lane county. Must have good stuff offered. BUXTON BROS., Utica, Kansas.

640 A. OF GRASS LAND, 5 miles from station, Greenwood Co., Kan.; want general mdse.

640 acres, good, smooth wheat land, western Kan.; want Topeka rentals. \$9,000 hardware and implement stock; want land of equal value. \$7,000 new residence, well located in Topeka; want improved farm. THE THOMAS REALTY COMPANY, 519 Kan. Ave., Topeka.

FOR FARM LANDS AND EXCHANGES of all kinds address John Capper, Real Estate Agent, Lyndon, Kan.

NEW YORK.

TAKE ADVANTAGE OF THIS OPPORTUNITY.

Farm of 108 acres, eleven room, fine house with blinds, porches and concrete cellar; three large barns, ice, tool and hen houses, fruit, two horses, four cows, two heifers, wagons, plows, cultivators, binders, roller, mower, grain drills, track, fork and rope. Price \$4,500, half cash, balance five per cent. HALL'S FARM AGENCY, Owego, Tioga county, New York.

CANADA.

LAND—LAND—LAND—LAND

Wheat Land—Ranch Land—Coal Land Unlimited in Quantity—Unequaled in Quality Raw and improved land at reasonable prices in Southern Alberta, cannot be beat for wheat or mixed farming. Opportunities for dairymen, poultrymen, truck gardeners. Town lots and business property for sale. Let me tell you about this country and its resources. F. W. FORSTER, Box F-1, Pincher Creek, Alberta, Canada.

TEXAS.

FREE ILLUS. literature describing land in the famous Texas mid-coast country. Smith Diebel Land Co., Victoria, Tex.

WRITE FOR FREE literature describing choice lands in the Eagle Lake district. Send your name today. Fidelity Immigration Co., Eagle Lake, Texas.

YOU WANT to come to the MID-COAST COUNTRY of Texas, where land is cheap. The climate is delightful; mild in winter, pleasant and agreeable in summer. Hundreds have made their fortunes here. It's your opportunity. "Come" or write. We will help you. B. E. Norvell, Bay City, Tex.

POTATO LAND.

560 a. Brazos Val., red shell alluvial soil; \$27.50 a. N. B. Knight & Co., Houston, Tex.

FOR SALE OR TRADE.

Rich farm and ranch lands. In tracts of 100 to 140,000 acres. \$3 to \$100 per a. Good terms. Dryden & Moseley, Waco, Texas.

CHANCE OF A LIFETIME.

450 acres, all tillable land, 250 acres in crops. Finest climate in the world. Easy payments. Let me tell you about this and other bargains. J. C. SCHOFIELD & CO., Edna, Tex.

PROFITS IN GULF COAST LAND.

Wonderful production, large increase in value, an attractive home. Get our Free Booklets, "The Road to Prosperity" and "A Pointer on Where to Buy Land." Will send you free "The Gulf Coast Bulletin" for 6 mo. Write THE ALLISON RICHEY LAND CO., 2nd Floor Carter Bldg., Houston, Tex.

COLORADO.

BEAUTIFUL Irr. farms, fruit, sugar beets, grain, alfalfa. Ordway Land Co., Ordway, Col.

320 A. homestead relinquishments, a few choice ones, fine land, last chance. Write us National Inv. Ass'n, Akron, Colo.

THE YUMA COUNTRY. If interested in cheap deeded lands and homesteads, relinquishments where one crop often pays for the land address J. H. FALL, Yuma, Colo. Coming country of Golden West.

KIOWA COUNTY, COLORADO. corn, wheat and alfalfa lands, \$3.00 to \$15.00. Homestead relinquishments \$250.00 up. A few 160 acre relinquishments under prospective irrigation. Folder and copy of homestead laws sent free. THE WESTERN REALTY CO., Eads, Colo.

WANT A LOCATION?

Farm, city property or business anywhere, any place. For 15 cents you will receive a list of over 1,000 best bargains in all parts of the United States for sale or exchange. Give me a description of what you have or what you want. See how quick a deal can be made. CARL M. COOK, Limon, Colo.

FOR SALE—Ark. valley Irr. alfalfa lands, most desirable climate and lands with water in West. Geo. R. Wilson, Lamar, Colo.

IF YOU WANT TO BUY fine wheat, corn and alfalfa land at \$10 to \$15 per acre on good terms, write to CHAS. PURDY, Akron, Colo.

THERE IS MONEY IN STOCK. WE SELL RANCHES.

20,000 acre ranch to sell or trade, best in the country. 1,000 acre irrigated farm all in hay and alfalfa. We are headquarters for small farms. Why wait? Lands will never be as cheap as right now. Write us your wants. SHIELDS-BEGGS LAND COMPANY, Fort Morgan, Colorado.

IRRIGATED ORCHARD LAND.

Our Highview Park orchard land is equal to the best. Our location is not equaled in Colorado. Our price is less than half what other like orchard land is selling at. Our terms are remarkably easy. We are selling orchard land for \$375 per acre, with a paid up water right, planted to orchard and cared for, for a period of five years. We give to the purchasers an absolute guarantee to replace all dead or diseased trees and to turn over to them a live, healthy orchard at the end of that time. Our land is so close to Denver that pickers and other help can be obtained quickly. Another advantage: Cooled apples can be marketed at the Denver canning and vinegar factory. Cold storage and shipping facilities at Denver are first class. We give seven years' time on deferred payments and they can be made monthly, quarterly, semi-annually or annually. Write us today. DENVER SUBURBAN HOMES & WATER COMPANY, Denver, Colorado.

JAMES BUTLER, Eastern Representative, 1230 Fillmore St., Topeka, Kansas.

Wheat and Alfalfa Land

Kiowa Co., Colo., \$8.00 to \$25.00 per a. 25,000 a. will be irrigated. Write for free maps and description. Shallow sheet water. A few good homestead relinquishments yet. FIRST STATE BANK, Brandon, Colo.

Avoid Drouth and Floods

Constant sunshine, abundant water supply, fertile soil, in the Pueblo Irrigation District, which adjoins Pueblo. Land at present, \$30 per acre, on easy terms. Low cost of water, payable during twenty years, commencing year after delivery. This insures a good crop before any payment on water is due. Investigate now before prices advance. Write for circular and maps. COBURN & MCCLINTOCK, Box 797, Pueblo, Colo.

Do Not Spend Your Life Praying For Rain

4,000 acre stock ranch. Close to Denver. To close estate must be sold at once. \$15.00 acre value, will sell for less. 160 acres, Ft. Morgan. Good water. Improved. \$50.00. 33 potato and beet sugar land. Greeley, Snap. HOLLOWELL, Land Man, 607 17th St. Denver, Colo.

240 Acres of Irrigated Land

close to Alamosa, Colorado. Will soon be in the city limits. Price \$100 an acre. Also \$2,000 worth of city lots in Oklahoma City. Will take gen'l mdse. or hardware store, not exceeding \$20,000 to \$24,000. STEVENS & RUBY, Stockton, Kan.

For Sale or Trade for picture show or restaurant, or racket stock, 20 acres of land joining the town of Amalgam, New Mexico. Subject to irrigation, and all can be thrown into town lots. Price \$2,000 clear. GEO. MANVILLE, Holton, Kan.

The Wise Choice.

Rather win a brother's smile
Than a stack of dollar notes,
Rather do one thing worth while
Than have all the nation's votes;
Rather tread the simple way
Where the sweet wild roses are
Than to dress in glad array
And be prince or king or czar.

Somehow, when I sum it up
I would rather be a friend
Than by force snatch victory's cup
And be hated in the end.
I would rather leave behind
Tender gentle thoughts of me
Than to have those who follow find
Stains upon my memory.

—Detroit Free Press.

Strong Plants By Thick Seeding

COMPETITION OF CEREALS.

The Nebraska station working with a factor in plant life pointed out by Darwin, has found that when corn is planted as thickly as five plants per hill it will produce a higher yielding seed than corn grown one stalk to the hill. The difference after six



E. G. MONTGOMERY

years' selection from the two rates of planting amounted to 7 or 8 bushels per acre. About one-third of the plants that come up, for some cause or other, die out before maturity. While there are various causes for this loss, it has been found that at least one cause seems to be the natural competition which takes place when the stronger plants crowd out the weaker ones. The thicker the rate of planting the greater number crowded out. Hence, says the Nebraska Agronomist, we should expect that saving seed from very thick planting would give us stronger and more vigorous plants than those that have been grown under thin seeding and not subjected to the effects of competition.

Similar Results With Wheat.

Somewhat similar results were obtained with wheat and oats. Nature seems to have a way of eliminating the weaklings, especially when very thick planting is done (as is the custom when sowing small grain crops), but this probably accounts for the productiveness of these crops, although practically no selection is practiced with them.

These experiments have been carried on for a number of years by Prof. E. C. Montgomery and the results have just been made known in Bulletin No. 127 on "Competition in Cereals." The bulletin may be obtained by writing to E. A. Burnett, director of the Nebraska Experiment station, Lincoln, Neb.

As to Disking Before Listing

A DISSENTING OPINION.

Mr. Editor—I take a great deal of interest in the letters and opinions that appear in Farmers Mail and Breeze, even though I cannot always agree with them. In the issue of May 11 Mr. Hatch advocates the disking of corn ground before listing. Last spring some of my neighbors disked their ground before listing and one double disked while I cut my stalks and then went in with the lister, running pretty deep. Last fall my corn made just as much, and in some cases more, than those who disked so I cannot see what good their disking did. I will also have to differ with Mr. Hatch where he says he would rather chance it with a stalk of corn every 24 inches than every 14 to 16 inches. I agree with him when he says a stalk every 18 inches is close enough, provided he has his stalks 18 inches apart when the corn is laid by. But in order to have a stalk every 18 inches we must drop the kernels closer than that, as there are always some that refuse to grow. To be sure of a good stand I find it best to plant not farther than 16 inches apart in the row. I had rather have my corn a little thick than too thin.

Clements, Kan.

More Hog Melon Testimony.

[Prize Letter.]

Mr. Editor—As to planting or cultivating the pie or hog melon we do not need to do that here. They grow wherever the seed is dropped, especially among cultivated crops. I note one writer in Farmers Mail and Breeze declares that

six hills ought to grow a wagonload. We can beat that in this country. I am satisfied I have seen two hills raise as many as a team of horses could pull out. I never saw their equal to yield. I don't believe our people here realize their feeding value for I have seen tons of them rot in the field after frost in the fall. A good way to keep them over winter would be to pile them up and stack feed over them. They are not hard to keep but must not be allowed to freeze. The variety grown here is dark green in color with a stripe which makes it resemble the Rattlesnake watermelon.

E. E. Vinyard.

Spearmore, Okla.

[Seed of these stock melons can be had of any general seedsman in Kansas or Oklahoma.—Ed.]

Facts About Kansas Horses

DR. McCAMPBELL'S REPORT.

The second annual report of the Kansas state livestock registry board is being mailed from the office of the secretary, Dr. C. W. McCampbell, at Manhattan. The report is in the form of a station bulletin, No. 179, and a copy may be had for the asking by writing to Director Ed H. Webster or Secretary McCampbell, both at Manhattan.

This report ought to be in the hands of every horse owner in the state. First of all it would acquaint them with the Kansas stallion law which is still somewhat vague in the minds of many. Then it contains a chapter on fraudulent pedigrees and exposes some false registry associations in a way that will prove an eye-opener to many a reader. It gives a list of stallion owners and their horses which tells "who's who" and "what's what" in the Kansas stallion business. The bulletin is well illustrated and besides the matter mentioned there are some special articles on the horse industry by such Kansas horsemen as J. C. Robison, Towanda; R. G. McKinnie, Glen Elder; J. T. Axtell, Newton; J. G. Arbuthnot, Cuba; M. A. Smith, Cawker City; H. T. Hineman, Dighton; Dr. F. S. Schoenleber and Dr. K. W. Stouder of Manhattan.

Fertilizers for Corn Land

BY M. F. MILLER,
Missouri Experiment Station.

[Written for Farmers Mail and Breeze.]

There is an increasing interest in Missouri regarding the use of fertilizers for corn. In general it is better practice to keep up the soil by a careful rotation—clover and cowpea growing and manuring—than to depend upon commercial fertilizers, but properly used fertilizers may be a great help. On the average upland, medium to low in fertility, the application in the hill or drill with a fertilizer planter of 75 to 90 pounds of a fertilizer containing 2 to 3 per cent potash will usually net the highest return per acre in corn per dollar invested in fertilizer. The same application of steamed bonemeal is also good.

On Very Thin Lands.

On very thin lands, the use of the same fertilizers at the rate of 200 to 250 pounds per acre ahead of the corn planter with a fertilizer grain drill is usually better. The same is true on lands medium to poor in fertility, if the crops following are considered, since some return will also be secured from the fertilizer on these crops. Do not apply too much fertilizer, particularly in the hill or drill as there is danger of the corn firing in a dry season. In seasons of abundant rainfall double the amounts recommended for hill fertilization will often pay better but taking the seasons as they run, 100 pounds is about the maximum that should be used.

Won't Keep Up Fertility.

The use of fertilizers for corn does not keep up the land. It is merely a temporary expedient in getting a crop and should be used only in connection with the best system of rotation, legume growing and manuring that a farmer can practice. Used year after year on the same land, the effect on the soil is the same as if corn had been grown without fertilizer. Where occasional clover or cowpea crops are plowed in with a cheap phosphate, like raw rock phosphate, the use of fertilizer at the time of planting rarely pays.

The farmer who plows deep believes in going to the bottom of things.

Use Only Good Culverts

There are many kinds of culverts—concrete, brick, stone, tile, metal, etc. But there's only one Culvert that will endure under every condition—in every climate—winter and summer. And that's American Ingot Iron Corrugated Culvert—the choice of the biggest railroads.

Why They Last

American Ingot Iron Corrugated Culverts are stronger, 29 times over, than ordinary smooth metal pipe of the same thickness. Tests have proved this. These Culverts are not made of steel, but American Ingot Iron, guaranteed 99.84% pure. Steel, on account of its impurities, rusts and corrodes quickly. American Ingot Iron, due to its purity, resists rust many years. This is why American Ingot Iron Culverts outlast steel culverts many times over. Unlike concrete, brick, stone or tile, this culvert is not damaged by frost. Durability endorsed by U. S. Dept. of Agriculture.

AMERICAN INGOT IRON
Guaranteed CULVERTS 99.84% Pure Iron

This staunch, durable, corrugated metal culvert is displacing concrete, brick, stone and tile culverts everywhere. First cost low—maintenance nothing. Easy to handle and install.

Make Spring Floods Harmless

Heavy Spring floods are harmless if American Ingot Iron Corrugated Culverts are used. They will not wash out, crack or break in freshet time as bridges and other culverts do, because the earth packs firmly in the deep corrugations. Look for the triangle trademark on every section—this proves that it is genuine American Ingot Iron. Obtainable only from manufacturers named below.

Send
for it
TonightWrite
to the
Nearest
Manufact-
urer, Now

Ask for full information and prices. Any maker named here will gladly send particulars. Tell him your road troubles and plans and he'll send you expert advice.

Write tonight—sure.
Dixie Culvert & Metal Co., Little Rock, Ark.; Atlanta, Ga.
California Corrugated Culvert Co., Los Angeles, Cal.; West Berkeley, Cal.; Reno, Nev.
Colorado Ingot Iron Pipe & Flume Co., Colorado Springs, Colo.
Delaware Metal Culvert Co., Clayton, Del.
Illinois Corrugated Culvert Co., Bloomington, Ill.
W. Q. O'Neal Company, Crawfordsville, Ind.
Princeton Sheet Metal Co., Princeton, Ind.
Fort Dodge Culvert Co., Fort Dodge, Iowa
Independence Corrugated Culvert Co., Independence, Iowa
The Road Supply & Metal Co., Topeka, Kan.
Kentucky Culvert Company, Buechel, Ky.
New England Metal Culvert Co., Palmer, Mass.
J. N. Spencer, Havre de Grace, Md.
Michigan Bridge & Pipe Co., Lansing, Mich.
Bark River Bridge & Culvert Co., Bark River, Mich.; Eau Claire, Wis.
Lyle Corrugated Culvert Company, Lyle, Minn.; Minneapolis, Minn.
Corrugated Culvert Company, Moberly, Mo.
Montana Culvert Company, Missoula, Mont.
North Carolina Metal Culvert Co., Greensboro, N. C.
Northwestern Sheet & Iron Works, Wahpeton, N. Dak.

North-East Metal Culvert Co., Nashua, N. H.
Pennsylvania Metal Culvert Co., Flemington, N. J.; Warren, Pa.
Economy Culvert Company, Auburn, N. Y.
Nebraska Culvert & Mfg. Co., Lincoln, Neb.; Wahoo, Neb.
Ohio Corrugated Culvert Co., Middletown, Ohio
American Rolling Mill Co., Middletown, Ohio
Oklahoma Corrugated Culvert Co., Shawnee, Okla.
Security Vault & Metal Works, Portland, Ore.
Sioux Falls Metal Culvert Co., Sioux Falls, S. Dak.
Atlas Metal Works, Dallas, Texas
Lone Star Culvert Company, Houston, Texas
Western Metal Mfg. Co., El Paso, Texas
Tennessee Metal Culvert Co., Nashville, Tenn.
Utah Culvert Company, Woods Cross, Utah
Virginia Metal Culvert Co., Roanoke, Va.
Spokane Corrugated Culvert & Tank Co., Spokane, Wash.
Wisconsin Culvert Co., Madison, Wis.

American Ingot Iron May Be Had
In Sheets—Plates—Formed Products

Get a Square Deal

Weigh your stock and grain on your own Scales and you're sure to get a square deal.

"McDonald Pitless" Scale

The Original Pitless

—U. S. Standard—used for weighing U. S. Mails. Shipped complete except flooring. Built for hard service. 21,942 in daily use.



Steel frame and protected bearings make them always accurate. Illustrated booklet FREE. Write today.

MOLINE PLOW CO.
Dept. 15, MOLINE, ILL.

Keep Out All The Rain With

"Baker" Stack Covers

You need a "Baker" Stack Cover to protect your hay and alfalfa from rain. The least dampness will cause mildew—you can't afford to take any chances with ordinary stack covers as the loss of one ton will mean the loss of your profit. Go to your dealer and insist that he sell you a "Baker" Cover.

GUARANTEED FULL WEIGHT
Our trade mark is your guide to a perfect cover; see that you get a "Baker". If your dealer cannot supply you with a "Baker" Cover, write us. Send for booklet, "Insured Hay Stacks", it contains valuable information you should know. Write today.
BAKER-LOCKWOOD MANUFACTURING COMPANY.
(Established 42 Years) 619G Wyandotte St., Kansas City, Mo.

Bailor 2-Row Cultivator Saves
One Man And One Horse

Cultivates 18 acres a day with 3 horses and 1 man. Pays for itself in one season on 80 acres. Saves good sums on smaller tracts. A guaranteed machine. Cultivates crooked rows without missing a hill. Digs same depth on level or rolling ground or against side hills. Weight 600 lbs. Adjustable shovels. No neck weight. Close hitch and chain eveners make each horse pull full strength. Ask your local dealer today.

Bailor Plow Company,
1330 Main St., Atchison, Kan.