

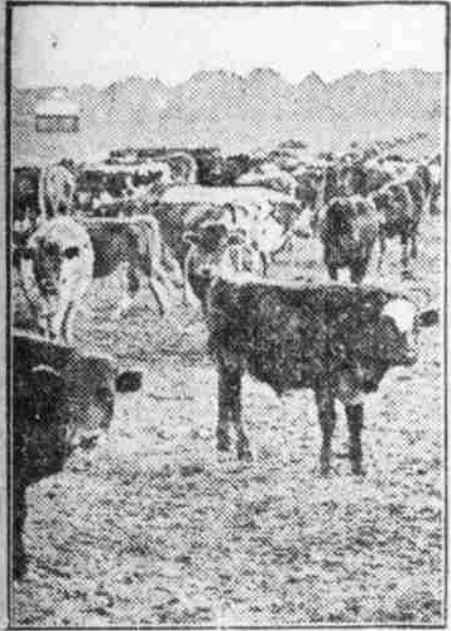
HORSES PIGS and CATTLE

RAISING STEERS FOR MARKET

Feeder of Seventeen Years' Experience Says Best Grades Are Always in Good Demand.

Does it pay to raise purebred steers for the market? Some say yes, while others answer in the negative. But an Iowa man says it pays to get a good start if a feeder intends to make a good finish of the feeding experiment.

This feeder, who was recently on the market with stock, went on record in boosting purebred cattle for feeding purposes, as his 17 years of experience that the good grades are always wanted, and are the largest money-makers in the end. The affirmative side of the



Bunch of Young Feeders.

question has a strong booster in this gentleman, who has been practicing what he preaches for many years past.

Each year he has been in the habit of feeding a bunch of purebred baby heifers for the summer market, and each time has been successful in getting out on the venture. At his farm he maintains a drove of Hereford cattle and aside from the regular breeding business, he raises a drove of steers for the killers each year.

Many feeders think that purebreds are for breeding and most anything will do for the killers, but cases of this sort argue well for cattle of good blood to be finished for the market.

The feeder who recently made these remarks is emphatic in saying that it pays to raise purebreds for feeding purposes, and his advice to young men just getting into the live-stock business is to get a start on a purebred herd as soon as possible. A good start shortens the road to a successful ending in a business of this sort.

FLEECED LAMBS MAKE GAINS

Old Idea Regarding Recuperation Sustained by Test at Nebraska State Experiment Station.

The old idea that a shorn lamb will regain in a week or ten days the weight of the wool removed from it at shearing time was vindicated recently in an experiment at the Nebraska state experiment station. Five lots of 12 lambs each were used in the experiment, each lot fed a little differently. As the lambs were too heavy to hold for the experiment, there was an average loss of five cents per animal, but the fact that the lambs did especially well after the fleece was removed proved the old theory. The daily gain was .51 of a pound.

PROPER SHELTER FOR LAMBS

Animals Fed in Well-Ventilated Barn Make Same Gains as Those Kept in Open Sheds.

In a series of tests in feeding western lambs, the Indiana experiment station found that lambs fed in a well-ventilated barn at the same amount of feed made the same gain in weight as those fed in an open shed.

The profit per lamb was 94 cents per head in a barn, as compared with \$1.04 per head in an open shed.

Although feed was high in price, the margin in value of feeding and fat lambs was sufficient to insure a satisfactory profit on the operation.

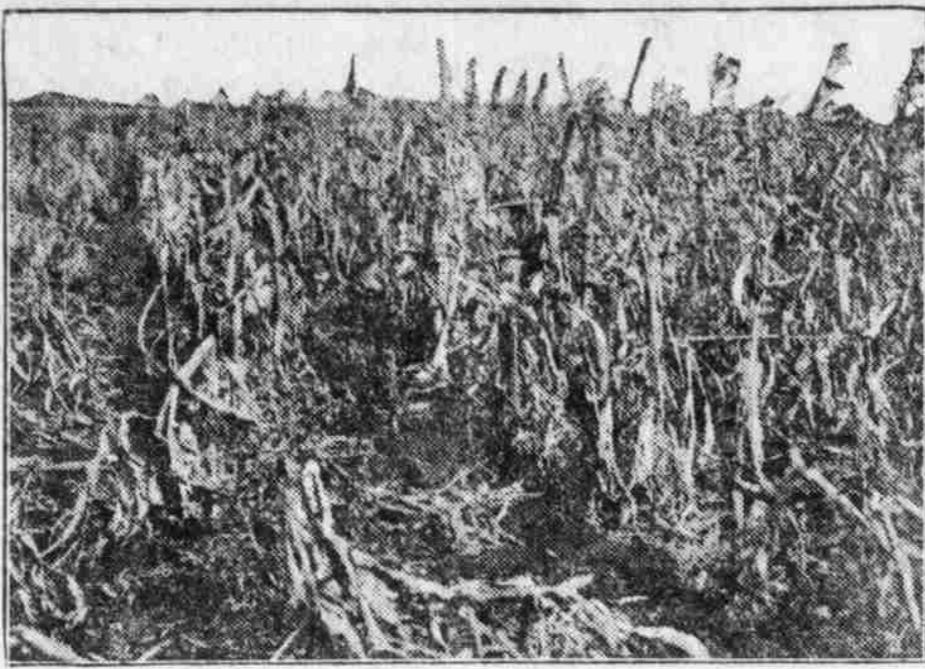
FERTILITY LOSS IN PASTURES

Steady Drain of Phosphorus From Land Where Sheep Are Grazed Is Seen by Expert.

(By DR. CHARLES E. THORNE, Ohio Experiment Station.)

Even when permanent pastures are grazed by so perfect a manure producer as the sheep, it is evident that in the bones of the young stock grown upon it and sent to market there must be a steady drain of phosphorus and lime, which must ultimately become manifest in reduced production, and experience has shown that the use of phosphatic fertilizers upon such pastures produces a marked increase in the production of grass.

ECONOMICAL WAY OF UTILIZING STRAW



ONLY CORN HAS BEEN GATHERED—FORAGE IS LEFT TO DECAY.

(Prepared by the United States Department of Agriculture.)

The annual straw crop of the United States amounts to approximately 120,000,000 tons, and the average value of all kinds of straw is placed by specialists in the United States department of agriculture at about \$5 a ton when fed to live stock. In many sections of the country, of course, no such price can be realized and, as a matter of fact, only a very small part of the crop actually is sold. Five dollars a ton, however, may be considered to represent the value of straw to the farmer if he will use it properly.

Nevertheless, investigations by the department show that only about two-thirds of the great straw crop is put to its best use—live-stock production. Of the remainder a little more than one-half is sold or turned under and the rest, which amounts to about 15 per cent of the total crop, is burned, as though, instead of being a potential source of revenue, it was merely a nuisance to be got rid of in the easiest possible manner. Plowing under, too, though not such an absolute waste as burning, is an uneconomical way of utilizing straw. It does contribute something, it is true, to soil fertility, but the benefit to the land is less than that which would be derived from the manure produced by feeding the straw to live stock. "Of all systems of attaining permanent soil fertility," says a recent publication of the department, "none is so practical or as easily available as that of feeding live stock."

In order to illustrate how straw may be most economically utilized, the new

publication already mentioned, which is part 4 of a comprehensive survey of the entire meat situation in the United States, gives three sample rations for wintering a breeding herd of beef cattle. Any one of these rations, it is said, will prove economical. They are as follows:

Rations for Wintering Breeding Cows.

Ration	Pounds.
Ration 1.	
Straw	10
Silage	20
Cottonseed meal or linseed meal.	14 1/2
Ration 2.	
Straw	20
Cottonseed cake or oil cake.	2
Ration 3.	
Straw	10
Shock corn	10
Cottonseed meal	1

The economical use of straw in such combinations as these will also enable farmers in the western states to purchase their feeder cattle in the fall and carry them through the winter without undue expense. The prices for feeder cattle are frequently so much lower in the fall that if the cost of wintering can be kept down, it will prove profitable to secure stock at that time instead of in the spring. As a matter of fact, in a number of western states it frequently happens that grass is wasted because cattlemen are unwilling to purchase enough steers to consume it at the high prices frequently asked in the spring. An easy way to avoid this waste and to secure the maximum returns from available pastures is to purchase the feeding herd in the fall and carry it through the winter on a ration in which straw plays an important part.

WINTER ROUGHAGE FOR HENS

Nothing Better Than Lawn Clippings, Second Crop Clover, and Grass When Properly Cured.

Every poultryman ought to provide a supply of green feed for the use of the hens in winter. Green vegetables are excellent in their place, but nothing is better than lawn clippings, second-crop clover and grass.

Lawn clippings should be raked up and spread on the barn floor or in some other shady place to dry, writes Charles H. Chesley in Farm and Home. Two days of drying in the shade properly cures the grass. It should then be put in bags and hung away where it can be kept for winter use.

Second-crop clover, of any variety, is excellent and it should be cured and treated in the same manner as the lawn clippings. Cut clover before it blooms. By mowing the timothy field or red top patch closely, after it has had a chance to get a start in late summer, a lot of winter roughage for the birds also can be obtained.

HAYING TOOLS SAVE EXPENSE

With Hayloader Man Can Complete Load in Half Time, Says Expert of Ohio State University.

How long does it take to pitch on a load of hay? Prof. H. C. Ramsower of the agricultural engineering department, Ohio State university, says it takes from 35 to 45 minutes for one man to pitch on one load while the same man can complete a load in 15 to 20 minutes with a hayloader. Professor Ramsower also points out the advantage of having a complete line of haying machinery to save extra expense of labor during the harvest season. Slings and hay carriers are especially useful in saving difficult labor.

FATTEN CATTLE FOR MARKET

Some Sections in South Where Shelter Is Not Required—Becoming One of Chief Industries.

In many sections of the south cattle are fattened for market without shelter during any period of the year, and in some favored spots they are fed no grain whatever. The raising of blooded stock is also becoming one of the chief industries.

REMOVE ALL DECAYING WOOD

Harboring Place for Insects and Disease That Will Spread to Healthy Parts of Tree

Dead or decaying wood of any fruit plant should be removed as soon as it is noticed, it matters not what the season may be. Such wood harbors disease and insect pests that will spread to healthy parts of the tree and to neighboring trees.

COCO IS SERIOUS WEED PEST

Plant Also Known as Nut Grass Is One of Most Troublesome Weeds to Deal With.

(By E. R. LLOYD, Director of Mississippi Experiment Station.)

Coco or nut grass is one of the most troublesome weeds that we have to deal with in the state. There are large areas of splendid land, as well as a good area of hill country, infested with this grass, but we know of no practical method of eliminating it and it has no economic value. Many Delta farmers are using coco land for growing small grains and alfalfa and it does not seem to interfere with crops which are planted broadcast.

The grass may be held partially in check by sowing the land thickly with fall oats and as soon as the crop is removed in June plant the land broadcast to cowpeas. The two crops will shade the land practically an entire year and smother out a considerable portion of the grass, but this method will not exterminate it.

ARGUMENT FOR GOOD ROADS

Railroads of Country Haul Yearly 195,586,840 Tons of Farm Products Over Smooth Rails.

There is the strongest kind of an argument for good roads in a report of the interstate commerce commission that in one year the railroads of this country hauled 1,949,683,599 tons of freight, of which 195,586,840 tons were the products of agriculture. This tonnage of freight was hauled over 350,000 miles of railroad, but before it reached the railroad it was hauled over 2,300,000 miles of wagon road.

The railroad haul was over the smoothest and most level road that can be made. The highway haul was mostly over unpaved and ungraded dirt roads, full of ruts, sinkholes and knolls. If the farmers were organized into corporations as the railroads are, they would soon discover they could not afford the enormous waste of bad roads.—Kansas City Times.

DON'T MIX DRESSED POULTRY

Pack Young and Old Fowls Separately—Carefully Place Neat Tag on All Shipments.

In marketing fowls, especially chickens, never mix the young dressed fowls with the old. If you do, the young go in at the price of the old, no more. Pack all the dressed roosters in a box to themselves, but don't mix the old with the young in this case, either.

Tag all your shipped fowls, for if you are sending prime stock the tag will recommend you highly, not only to the house you ship to, but the customers he sells to.

The young poultry hatched late this summer can be sold for roasters in January and February.

TAKES THE PLACE OF DANGEROUS CALOMEL

New Discovery! Dodson's Liver Tone Acts Like Calomel But Doesn't Gripe, Salivate or Make You Sick—Don't Lose a Day's Work—Harmless Liver Medicine for Men, Women, Children—Read Guarantee!

Ugh! Calomel makes you sick. It's horrible! Take a dose of the dangerous drug tonight and tomorrow you may lose a day's work.

Calomel is mercury or quicksilver which causes necrosis of the bones. Calomel, when it comes into contact with sour bile crashes into it, breaking it up. This is when you feel that awful nausea and cramping. If you are sluggish and "all knocked out," if your liver is torpid and bowels constipated, or you have headache, dizziness, coated tongue, if breath is bad or stomach sour, just try a spoonful of harmless Dodson's Liver Tone tonight.

Here's my guarantee—Go to any drug store and get a 50 cent bottle of Dodson's Liver Tone. Take a spoonful and if it doesn't straighten you

right up and make you feel fine and vigorous I want you to go back to the store and get your money. Dodson's Liver Tone is destroying the sale of calomel because it is real liver medicine; entirely vegetable, therefore it can not salivate or make you sick.

I guarantee that one spoonful of Dodson's Liver Tone will put your sluggish liver to work and clean your bowels of that sour bile and constipated waste which is clogging your system and making you feel miserable. I guarantee that a bottle of Dodson's Liver Tone will keep your entire family feeling fine for months. Give it to your children. It is harmless; doesn't gripe and they like its pleasant taste.—Adv.

IRON POSTS SUPPORT WIRE

German Idea That Makes Them Trenches Only a Little Way From Being Impregnable.

In the Atlantic Monthly Mr. Edward Morine describes a very clever improvement the Germans have made in their barbed-wire defenses. The wires are usually fastened to wooden posts, of course, but the Germans have found a better support for them. He writes:

"After we had taken the German trench, our men set to work to remodel it, shifting the parapet to the other side, building little outpost trenches and setting barbed wire. The latter job was done in a wonderfully short time, thanks to German thoroughness. For the wooden stakes to which the wire is tied they had substituted soft iron rods, three-quarters of an inch thick, twisted five times in the shape of a great corkscrew. This screw twisted into the ground exactly like a cork-puller into a cork. The straight part of the rod, being twisted upon itself down and up again every ten inches, formed six or seven small loops in a height of about five feet. Into these eyes the barbed wire was laid and solidly secured with short lengths of tying wire.

"First cutting the tying wire, we lifted the barbed wire out of the eyes, shoved a small stick through one, and, turning the rod with the leverage of the stick, unscrewed it out of the ground, and then, reversing the process, screwed it in again. The advantage of this rod is obvious. When a shell falls in the midst of this wire protection, the rods are bent and twisted, but unless broken off short they always support the wire, and even after a severe bombardment present a serious obstacle to the assaulters. In such case wooden posts are blown to smithereens by the shells, and when broken off they let the wire fall flat to the ground."

Restful. "That hired man of yours is a very picturesque figure," remarked the artist. "I'd like to paint him."

"Go ez fur ez you like," replied the farmer, "but it seems to me I've heard somewhere that they ain't much of any market for still life pictures."

Electricity Made City Monopoly.

The production and distribution of electricity in Pittsburgh has been made a monopoly.

Proper Methods. "Your husband stand on proposition?" "I put down on it."

Suicide

System free from poison and side and headache's result such a condition to continue.

Food Syrup

Prepared by reputable physicians and chemists. It is a duty. \$1 at your dealer's.

OPPORTUNITY GREAT PROSPERITY

—great business activity is here. Will you get on the crest of the wave that carries you swiftly to success? This school gives you the necessary training. This is a year filled with opportunity for you. FOR HANDSOME CATALOGUE Address KING'S BUSINESS COLLEGE, RALEIGH, N. C., or CHARLOTTE, N. C.

SUCCESS HAY PRESS PRICE \$50.00



This is one of the best and simplest double stroke horse power hay presses on the market. Has a patent automatic choke relief; capacity 20 bales per hour. WRITE FOR DESCRIPTIONS.

His Idea.

"You're charging us city prices for these raspberries," said the summer resorter to the farmer.

"Yep. You're city folks, ain't you?"

"Of course."

"And used to paying city prices?"

"That's true, but we picked these berries ourselves."

"Well ain't that the fun you came out here to get? You don't expect to get your fun for nothing, do you?"—Detroit Free Press.

LADIES EARN BIG MONEY TAKING orders for Dr. Sawyer's Remedies, Established 23 years. The Sawyer Squaw Root Co., 177 N. State St., Dept. 3, Chicago, Adv.

Hopeless.

"That man we were just talking to seems to be perfectly normal," remarked the visitor who was being shown over the insane asylum.

"And yet he's one of the very worst cases we have," replied the attendant. "That man thinks he can get as many miles out of a gallon of gasoline as the agent who sold him his car said he could."

Calling for Reform.

Frances—You say you are going to marry a man to reform him. That is fine. May I ask who he is?

Flora—It's young Bond.

Frances—Why, I didn't know he had any bad habits.

Flora—Well, his friends are saying that he has become quite miserly.—Puck.

Displaced.

"What has become of the old-fashioned political boss?"

"He has given place," replied Senator Sorghum, "to the new-fashioned political boss who insists on having his own way without paying cash for it."

Sties, Granulated Eyelids, Sore and Inflamed Eyes healed promptly by the use of ROMAN EYE BALMSAM.—Adv.

The Sort.

"Mrs. Gaddy does talk a great deal, but she's as deep as a well."

"I hope she is like one of the wells which sometimes dry up."

How Aviators Get Messages.

Helmets for aviators have been invented with wireless receiving telephones built into the ear flaps.

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are frequent in Mexico.

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"Saved Daylight" 40 Years.

Monson, in Maine, wonders why there is so much ado about the "daylight saving" plan. According to the Youth's Companion, about 40 years ago someone in the town suggested that it would be a good thing for the workers in the slate quarries to gain an hour of daylight by going to work an hour earlier in the morning and stopping work an hour earlier at night. The town adopted the suggestion, but instead of changing the working hours it set the clocks ahead. Through all the years since then the clocks of Monson have been an hour ahead of the clocks in other Maine towns.

Assessed Value.

Deserted Wife—I want to offer five dollars reward for news of my husband, dead or alive.

Police Officer—But, madam, you ought not to put news of him dead or alive at the same figure.

D. W.—All right. Make it ten dollars reward if he's dead.

Nothing More.

"Your wife must be very solicitous about you."

"Why do you say that?"

"She writes every day."

"She's solicitous about the canary."—Louisville Courier-Journal.

Long Arm of the Curate.

She—Gertie says the curate put his arm around her three times last night.

He—The boulder must have a terribly long arm.—Passing Show.

ECZEMA!

"Hunt's Cure" is guaranteed to stop and permanently cure that terrible itching. It is compounded for that purpose and your money will be promptly refunded without question if Hunt's Cure fails to cure Itch, Eczema, Tetter, Ring Worm or any other skin disease See the box.

For sale by all drug stores or by mail from the

A. B. Richards Medicine Co., Sherman, Tex.

WHY NOT TRY POPHAM'S

ASTHMA MEDICINE

Gives Prompt and Positive Relief in Every Case. Sold by Druggists. Price \$1.00. Trial Package by Mail 10c.

WILLIAMS MFG. CO., Props. Cleveland, O.

DRIVE MALARIA OUT OF THE SYSTEM

BABER

for that Tired Feeling

A GOOD TONIC AND APPETIZER

TEACHERS WANTED

(1) Men for town schools, \$60 to \$75. (2) Ladies combining music and common school, unprecedented demand. (3) Grade and high school. Can place all qualified teachers for any of the above. Write today. Southern Teachers' Agency, 17-25 Carleton Road, Chicago, Ill.

KODAKS & SUPPLIES

We also do highest class of finishing. Prices and Catalogue upon request. S. Galeski Optical Co., Richmond, Va.

PARKER'S HAIR BALMSAM

A toilet preparation of merit. Helps to eradicate dandruff. For Restoring Color and Beauty to Gray or Faded Hair. 5c. and \$1.00 at druggists.

Every Woman Wants

Paxtine

ANTISEPTIC POWDER

FOR PERSONAL HYGIENE

Dissolved in water for douches stops pelvic catarrh, ulceration and inflammation. Recommended by Lydia E. Pinkham Med. Co. for ten years. A healing wonder for nasal catarrh, sore throat and sore eyes. Economical. Has antiseptic, cleansing and germicidal power. Sample Free. 50c. all druggists, or postpaid by mail. The Paxton Toilet Company, Boston, Mass.

"ROUGH ON RATS" Ends Rats, Mice, Bugs, etc. outdoors. Use and see.

W. N. U., CHARLOTTE, NO. 37-1916.