

OF INTEREST TO FARMERS

HOGS NEED MINERALS

That the ordinary grain and forage rations used for feeding our hogs must be supplemented with a mineral mixture is a fact upon which all investigators agree.

The ordinary grain ration does not contain the variety nor a proper amount of mineral matter required to rapidly develop a large frame for early maturing hogs. One can expect a considerable percentage of weak, undersized or unthrifty pigs when no mineral mixture is used.

Such products as tankage and skim milk are rich in mineral matter, but under average farm conditions they are seldom, if ever, fed in large enough quantities to supply the amount needed. Those who have been carrying ration spring pigs on a light grain ration this summer with perhaps a rather skimpy pasture and who are expecting a feed more grain as the new corn comes on, should not overlook the feeding of a liberal supply of minerals.

CARELESSNESS COSTLY

Information has just been received from one of the big packing companies showing that a recent test was made on a special inspection of 301 hogs received by rail which showed that 55, or 18.27 per cent, were bruised, there being in this number 54 hams, 38 bellies and one shoulder that were bruised.

Test was also made of a similar nature on 270 hogs brought in by trucks. Out of this bunch there were 57, or 21.11 per cent, bruised. In this bunch there were 49 hams, 29 bellies and one shoulder and one back that showed bruises.

This is a very unusual and serious condition and the loss incurred in hogs arriving in this condition is very heavy, and we would suggest that each member of the Exchange should embody this information in its next circular to its patrons and caution them to be more careful in the handling of their hogs as the loss sustained in bruises of this character will react detrimental to the interests of the producers.

Careful handling of hogs, in fact, all livestock, should be the order of affairs so far as shippers to all markets are concerned. Buyers are bound to penalize offerings that are bruised and the loss to producers, if it could be figured, in a short time reaches large proportions.

SELECTING THE MALE

In selecting and mating the breeding pens there is a tendency, too often, to place too much emphasis on the selection of the females and not enough on the male. It is true that the females in the pen are of utmost importance, but the tendency for many is to leave everything to the female, not intentionally, perhaps, but they center their efforts on picking out females that come up to their requirements for breeders.

But what about the male? He is often spoken of as being half the flock. Some breeders say he is the most important part of any mating. Too often, he is just selected from the run of the flock because he has the best body characteristics, the most vigor, and so on.

The quickest way for a man to improve the egg production of his flock is to make high pedigreed cockerels to his females. These cockerels will influence the first generation of pullets; increasing the yearly flock average as much as 40 to 50 eggs per bird, depending on the production of the flock before the mating is made. The higher the original production, the less will be the increase.

Hens with trapped records behind them are important, but males with trapped dams in back of them are more important, since the egg production ability is transmitted through the male. As he has such an influence on the progeny, he deserves serious attention when it comes to mating.

DRINK MORE MILK

Chemically, the average man, 5 feet 10 inches and weighing 150 pounds is worth 98 cents according to scientific research. Here is the inventory. The human body consists of: Enough fat to make seven bars of soap. Enough iron to make a nail of medium size. Enough sugar to fill a shaker. Enough lime to whitewash a chicken coop. Enough phosphorus to make 2,200 match tips. Enough magnesium for a dose of magnesia. Enough potassium to explode a toy cannon. Together with a little sulphur.

No food except milk contains all the chemical elements mentioned above. The only other food that is relatively high in lime or calcium is leafy vegetables. So everyone who wants good bones and teeth should eat milk and green vegetables. If more prospective mothers knew this little fact, they wouldn't have poor teeth after the baby comes. Lime or calcium is the chief chemical ingredient in the body, much of it

GRAIN RATION PAYS

Lack of proper feed is a greater cause of low production of dairy cows during the summer than flies or hot weather. High producing cows need grain when on pasture and Holsteins and Ayrshires producing 25 pounds of milk and Jerseys or Guernseys producing above 30 pounds of milk should have one pound of grain for each six or seven pounds of milk they produce in addition to abundant pasture.

GUARD AGAINST DAMPNESS

Make the poultry house floor from six to eight inches higher than the outside ground. This insures good drainage.

is needed, and if the mother doesn't eat foods containing it, nature takes the lime from the mother's teeth and gives it to the child. As few people, prospective mothers or not, get enough lime in the diet, the subject deserves attention.

SHELTERING MACHINERY

Whether or not it pays to house farm machinery may be judged by the reader after he has gone over the following conclusions of a leading agricultural college professor:

A walking plow, according to the best averages available, last 15 years if not housed, 20 if housed, and in either case costs \$2.25 for repairs. A gang plow lasts 10 years exposed, 20 housed, and costs \$9 for repairs.

A corn planter lasts four years exposed, eight housed, and costs \$13.34 for repairs.

A corn cultivator lasts eight years exposed, 20 housed, and costs \$7.50 for repairs.

A mower lasts seven years exposed, 12 housed, and costs \$14.15 for repairs.

A binder lasts five years exposed, 12 housed, and costs \$23.34 for repairs.

A farm wagon lasts 10 years exposed, 24 housed, and costs \$20 for repairs.

A disk harrow lasts eight years exposed, 15 housed, and costs \$9.38 for repairs.

These estimates are probably as nearly correct as it is possible to make estimates of this sort. They certainly offer strong arguments in favor of providing shed room for our farm machinery. Think it over.

DOWN ON THE FARM

Down on the farm 'bout half past four, I slip on my pants and sneak out the door. Out in the yard I run like the dickens, to milk all the cows and feed the chickens, clean out the barnyard, carry Maggie and Jiggs (mules), separate the cream and slop all the pigs, bustle two hours, then eat like a Turk; by Heck, I am ready for a full day's work. Then I grease the wagon and put on the rack, throw a jug of water in the old grain sack, hitch up the mules, slip down the lane, must get the hay in, looks like rain. Look over yonder, sure as I am born, cows on the rampage, hogs in the corn. Back with the mules, then for recompense, Maggie gets astraddle the barb-wire fence, joints all aching, muscles in a jerk. Whoop! Pit as a fiddle for a full day's work. Work all the summer 'til winter is nigh, then figure at the bank and heave a big sigh. Worked all year, didn't make a thing, less cash now than I had last spring. Some folks say there ain't no hell. Shucks! They never farmed; how can they tell? When spring rolls round I take another chance, as fuzer grows longer on my old gray pants. Give my galluses a hitch, belt another jerk, by gosh! I am ready for a full year's work.

USE GOOD FANNING MILL

A few hours spent indoors this winter clearing seed with a fanning mill may save many days in the hot sun next summer and will pay handsome dividends in the form of bigger and better crops. A fanning mill operated at the correct speed and equipped with the proper sieves and screens is capable of doing an excellent job of cleaning clover, alfalfa and other seeds. Since experiments have shown that the main object of cultivation after the preparation of the seed bed is the eradication of weeds, and since most weeds are introduced by means of impure seed, the use of cleaned seed will save a great deal of future work. The value of a good fanning mill in cleaning farm seeds has been demonstrated by hundreds of farmers.

THE MEASURING STICK

Everyone has some sort of measuring stick, or ruler, with which he takes the measurements of a particular object in which he is interested. If the object in question is not of the desired size, the ruler shows where it must be added to or taken from to make it the desired dimensions.

The poultry keeper has just such a measuring stick in the form of record blanks. Records that show the number of eggs laid, amount and cost of feed consumed, number of birds in the pen, cost of egg production, cost of meat production, if poultry meat is produced, over-expenses, in fact, all items of expense and revenue, are measuring sticks of the poultry keeper's flock. It will pay to keep records this year.

BEES PROFITABLE

My grandfather, a worthy soul, cared not a whit for books or schools; but earned enough for his needs with ninety acres, partly weeds, a staneboat and a pair of mules. My father, bless his memory lived life, the well read gentleman, brought up his family, content in ninety rods of land, we spent his days—he kept a flock of hens. But I more modern methods try, intensive farming, if you please with ninety feet content am I land 'airy fertile, high and dry, you see, I'm keeping bees.

HANG THE SALT

Hogs should have salt. Some folks mix in the block. But blocks unless firmly anchored, rooted all the lot, o guard against this, take an old bit, bore a hole through the salt block from end to end, pass an end-gate rod through it, screw on the burr below, first using a block of wood for a washer, then hang the end-gate rod by its ring on a hook against the wall in the hog-house, just high enough to keep the block of salt on a level with the pig's nose.

The most common causes of low fecundity in sows are lack of exercise and too high a condition.

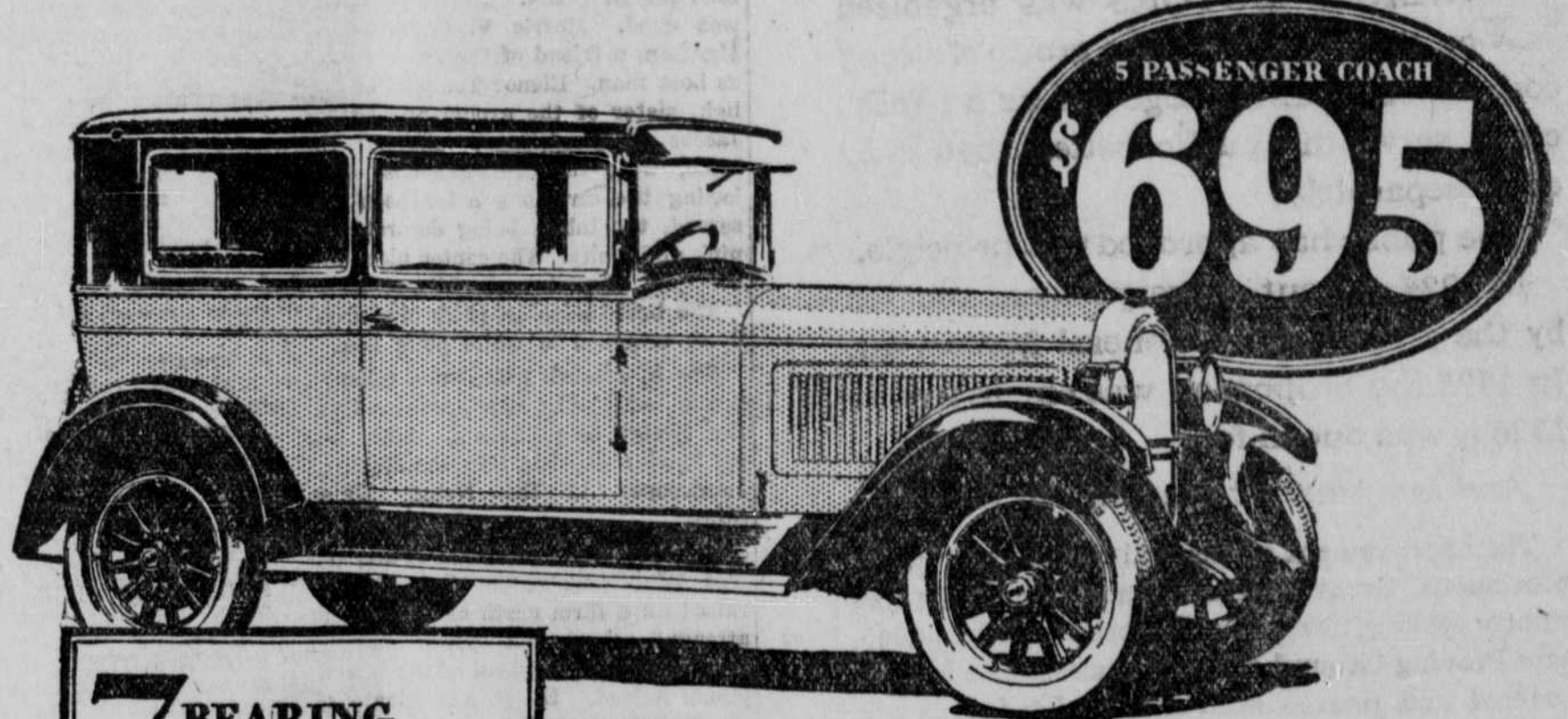
ESTIMATING WEIGHT OF PIG

Measure the girth in inches back of the shoulder and the length in inches from the square of the rump to a point even with the point of the shoulder blade. Multiply the girth and length and divide the product by 144. Multiply the result by 11 if the girth is less than 2 feet or by 16 if over 2 feet. The answer will be the number of pounds of pork. If lean, make a deduction of 5 per cent.

MAKE LAND PRODUCE

If it takes ten acres to pasture a cow, better use the land for timber. Returns from timber will come in quickly, but they will be certain.

ANNOUNCING THE World's Lowest Priced Six



5 PASSENGER COACH \$695

7 BEARING CRANKSHAFT Full Force-feed Lubrication Silent Timing Chain Invar-strut Pistons 4-wheel Brakes—and other Quality features

- Touring - - - \$615 Roadster - - - 685 Coupe - - - 695 Sedan - - - 745

NEW WORLD'S RECORD!

Setting a new world's speed and endurance record for cars under \$1000, the new Whippet Six in a continuous 24-hour run at the Indianapolis Speedway, under observation of the Hoosier Motor Club, averaged 56.52 miles per hour for the entire 24 hours—

Brought to a dead stop from a speed of 35 miles per hour in 49 feet 7 1/2 inches—Accelerated from 5 to 25 miles an hour in 7.2 seconds—Records made possible by the most advanced engineering of any light Six in America!

The new Whippet Six is now on display. See it. Drive it. You will find it a revelation in value!

The new Whippet Six

WILLYS-OVERLAND, INC. TOLEDO, OHIO

A Puzzler

North—Yes—certainly I understand women. West—What do they mean when they hold out their hand in the car ahead?—Life.

Don't Make a Toy Out of Baby—Babies Have Nerves—By RUTH BRITAIN



Much of the nervousness in older children can be traced to the overstimulation during infancy, caused by regarding baby as a sort of animated toy for the amusement of parents, relatives and friends. Baby may be played with, but not for more than a quarter of an hour to an hour daily. Beyond that, being handled, tickled, caused to laugh or even scream, will sometimes result in vomiting, and invariably causes irritability, crying or sleeplessness.

Fretfulness, crying and sleeplessness from this cause can easily be avoided by treating baby with more consideration, but when you just can't see what is making baby restless or upset, better give him a few drops of pure, harmless Castoria. It's amazing to see how quickly it calms baby's nerves and soothes him to sleep; yet it contains no drugs or opiates. It is purely vegetable—the recipe is on the wrapper. Leading physicians prescribe it for colic, cholera, diarrhea, constipation, gas on stomach and bowels, feverishness, loss of sleep and all other "upsets" of babyhood. Over 25 million bottles used a year shows its overwhelming popularity.

With each bottle of Castoria, you get a book on Motherhood, worth its weight in gold. Look for Chas. H. Fletcher's signature on the package so you'll get genuine Castoria. There are many imitations.

For Foot Rot in Sheep and Foul in Hoofs of Cattle HANFORD'S BALSAM OF MYRRH

One has to eat even in a moral crisis.



DON'T suffer headaches, or any of those pains that Bayer Aspirin can end in a hurry! Physicians prescribe it, and approve its free use, for it does not affect the heart. Every druggist has it, but don't fail to ask the druggist for Bayer. And don't take any but the box that says Bayer, with the word genuine printed in red:



Aspirin is the trade mark of Bayer Manufacture of Monoaceticacidester of Salicylicacid

Quickly Relieves Rheumatic Pains 12 Days' Free Trial

To get relief when pain tortured joints and muscles keep you in constant misery rub on Joint-Ease. It is quickly absorbed and you can rub it in often and expect results more speedily. Get it at any druggist in America.

Use Joint-Ease for sciatica, lumbago, sore, lame muscles, lame back, chest colds, sore nostrils and burning, aching feet. Only 60 cents. It penetrates. FREE Send name and Address for 12-day trial tube to Pope Laboratories, Desk 2, Hallowell, Maine.

Machinery Has Freed Women From Drudgery

It is a fascinating topic to debate whether man lives up to his inventions, or whether his inventions follow him. One can argue forever to prove that women today are better educated and more intelligent, because it is necessary for them to know how to manage the electrical equipment which confronts them in both industrial and domestic life, or to prove that the electrical equipment has provided the opportunity to develop the use of their hands instead of their hands alone. It is of small importance what the answer is. The fact remains that homes are more charming places in which to live, offices are more attractive places in which to work, and women are more interesting human beings, because electrical machinery has come into existence to do the body-breaking mind-destroying routine tasks, which for so many years constituted woman's entire field of endeavor.—Exchange.

The Legless Days

A generation ago legs were unknown except on tables and chairs, although "limbs were very plentiful, even though thought to be a trifle indecent. All women then were good except maybe one that grandmother had heard about in her younger days, and this one was mentioned in whispers. Then a divorce suit attracted the attention of the whole county for an entire year and a bath was something not to be mentioned except to an intimate friend, for it not only was an unfit topic for general conversation, but was so rare as not to be discussed lightly.—Capper's Weekly.

X-Rays Find Buttons

New uses are always being found for X-rays. One of the latest is that of searching for buttons and other solid materials in piles of rags that are to be used for paper-making. Serious damage to the pulping machine is likely if buttons, hooks, eyes, and such like are not removed from the pulp. To prevent this, endless bands convey the rags over an X-ray tube, where the solid materials are readily detected by fluorescent screens in the X-ray outfit.

Her Off Day

Caller—"You've been a bad girl today." Betty—"You shouldn't call on Tuesday; that's my bad day."

A rich man with a lot of fool ideas is supposed to have an artistic temperament.



Kill Rats Without Poison

A New Extremist that is Absolutely Safe to use Anywhere! Will not injure human beings, livestock, dogs, cats, poultry, yet is deadly to rats and mice every time. Poisons are too dangerous. K-R-O does not contain arsenic, phosphorus, barium carbonate or any deadly poison. Made of powdered quinine, endorsed by the U. S. Dept. of Agriculture in their latest bulletin on "Rat Control."

K-R-O KILLS-RATS-ONLY

LEONARD EAR OIL

for DEAFNESS and HEAD NOISES. Price \$1.25. At All Druggists. "DON'T DO THIS" FOLDED ABOUT "DEAFNESS" ON DEAFNESS. A. O. LEONARD, INC., 70-57 AVE., NEW YORK.

FIRST AID TO BEAUTY AND CHARM

Nothing so charming as a beautiful face as the inevitable lines of fatigue and suffering caused by tired, aching feet. LEONARD'S FOOT-EASE, the Antirheumatic, Healing Powder, increases foot comfort. It is a Talcum Necessity. Smear it in your shoes in the morning. They will dance all evening—then let your feet see to the story. "Foot-ease" and a Foot-Ease Waiting Ball will Free you and Allen's Foot-Ease. In a Pinch, Use Allen's Foot-Ease. SIOUX CITY P.T.G. CO., NO. 19-3928