

MONARCH

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|---------------|----------------------|-----------------|------------------|------------------|
| Cocoa | Mayonnaise Dressing | Cling Peaches | Cherries | Honey |
| Tea | 1000 Island Dressing | Sliced Peaches | Beets | Pumpkin |
| Sweet Pickles | Pork and Beans | Apricots | Red Kidney Beans | Stringless Beans |
| Sweet Relish | Peanut Butter | Peas | Lima Beans | Sweet Potatoes |
| Catsup | Prepared Mustard | Loganberries | Asparagus Tips | Sour Kraut |
| Chili Sauce | Grape Juice | Red Raspberries | Corn | Sprach |
| Preserves | Fruit Salad | Strawberries | Tomatoes | Salmon |
| Mince Meat | Pineapple | Blackberries | Peas | Milk |

Quality for 70 years



In these days of uncertain coffee values, more and more people are turning to Monarch. If you were to pay \$1.00 a pound you couldn't buy a better quality. Yet Monarch is priced so that no one need be without it. Order a supply today from your grocer.

Grocers: Monarch Coffee, Catsup, Sweet Pickles, Condiments, Fruits, Vegetables and other products of our kitchens are sold only by Regular Retail Grocers who own and operate their own stores. We never sell to chain stores.

REID, MURDOCH & CO.
Manufacturers and Importers
Established 1853
CHICAGO PITTSBURGH NEW YORK
BOSTON (Successors to Wm. M. Flanders Co.)

Hog Production Travels Circle

Amount of Breeding Determined by Profits Made the Preceding Year.

(Prepared by the United States Department of Agriculture.)
Hog raising in the United States is dominated by an innate tendency to fall into a vicious circle of successive over and under production, normally running two years from one extreme to the other. This is brought about largely by the fact that the amount of breeding at a given time is mainly determined by the profits made from hogs during the preceding year, which depend on the ratio between the price of corn and the price of hogs. If these ups and downs are to be eliminated, hog breeding must be based on a sounder view of probable future conditions than can be obtained merely from the memory of past profits.

Study Fluctuations.
So say economists of the Department of Agriculture who have investigated fluctuations in hog production from 1871 to 1915. These detailed studies were made by Dr. Sewall Wright, of the animal husbandry division, bureau of animal industry, and are part of a program of studies dealing with meat animals initiated some time ago under the general supervision of E. W. Sheets, assistant chief of the division. The period mentioned, 1871 to 1915, was chosen for study because the aim was to find out what relations exist between hog production and prices and the corn situation in normal times. Since the World War disturbed normal conditions, the war period was left out of the reckoning. The close connection between corn prices and hog production is due, of course, to the fact that about 85 per cent of the corn crop is consumed by live stock and is the principal element in the cost of producing hogs. Altogether about 40 per cent of the total corn crop is consumed by hogs.

It has been found that hog breeding reaches its maximum from half a year to a year after hog prices touch their peak in relation to corn prices, and begin to decline. This delayed action by the breeders produces a surplus of hogs a year or more later, by which time the hog-corn ratio is usually at or near its low point. On the other hand, breeding does not reach its low point until some time after the hog-corn price ratio has begun to rise again. There is consequently a swing to underproduction. Any cause leading to unusual profits or losses sets up oscillations in the number of hogs running about four years from crest to crest.

Should Study Conditions.
Apparently the price which the packers pay for hogs during a given season does not depend wholly on the actual supply offered. It is influenced to a greater extent by current and prospective conditions in the country as a whole, as indicated by the amount of breeding that has been done and by recent and current tendencies in corn prices. It is, therefore, suggested that the farmers would be well advised to study these conditions, instead of blindly rushing into hog production when prices are high and going out of the business when prices are low.

The department's investigators were struck with the fact that during the period studied the summer live weight of hogs marketed gave a remarkably close indication of the amount of breeding for the twelve-months' period ending in the following fall. Knowledge of the summer weight of hogs could thus have afforded a means of predicting pork production and winter slaughtering for the next year or more. Production, in fact, was more closely correlated with preceding summer weights and corn prices than with any of the other factors considered. Winter live weight, on the other hand, was determined largely by the preceding corn crop, and only secondarily by the amount of breeding done the preceding year.

Here is the way the department summarizes its study of the effect of the hog-corn ratio on future hog prices. Seasonal slaughter is determined in part by the amount of breeding during at least three years past, and in part by tendencies toward concentration in the summer season in which prices are high at the expense of the winter season, whenever the corn supply permits this to be done. This is why the corn crop has its maximum effect on hog slaughter in the summer after it was raised. There is a second peak of slaughter in the third following winter, due to the stimulus of breeding.
It is noted that while the farm price of hogs is very closely related with the packer's price, it lags behind the packer's price several months.

Best Fowls for Breeding
Do not allow the fowls in the breeding pen to become overfat. If the birds are of a small breed, such as Anconas, Leghorns or Andalusians, there is small chance of their putting on too much flesh, but if they are of the heavier breeds, such as Langshans, Brahmas or Orpingtons, you must make them work for their feed by scratching for it in deep litter.

Underfeeding Is Fatal
In many cases where live stock is lost, an investigation shows that a lack of feed is the cause. In some instances starvation lowers the resistance, and animals which are bred do not receive enough nourishment to feed their own bodies and the bodies of their young; consequently they perish before parturition.

Sowing Naked Oats Is Not Advisable

Not Able to Compete With Best Common Variety.

(Prepared by the United States Department of Agriculture.)
During the last fifty or sixty years, attractive advertisements have led farmers from time to time to try to grow naked or hull-less oats. The very fact that the naked oat has gained no foothold in American agriculture after repeated attempts to exploit it is sufficient proof of its inability to compete with the best common or hulled oat.

Until a few years ago the variety commonly exploited was the Chinese Hull-less, which is now found growing on sterile mountain sides at high altitudes in northern and western China. Recently, however, some new hybrid varieties have been developed by crossing the Chinese Hull-less on the common oat. Of these, the Liberty Hull-less, which was developed in Canada, has attracted the most attention. This new variety of naked oats has been grown on several of the field stations where the office of cereal investigations, bureau of plant industry, United States Department of Agriculture, is conducting experiments with oats. At no station has the yield of the Liberty Hull-less compared favorably with that of the best common varieties. In addition to being inferior in yield it is very susceptible to smut. It is necessary to treat the seed every year in order to avoid almost complete loss by smut.

While there is a small demand for oat kernels without hulls for feeding squabs and young chickens, it apparently will be better economy to buy ordinary oats from which the hulls have been removed than to try to grow hull-less or naked oats. For feeding farm stock, except hogs, the hull usually is considered an advantage, rather than a detriment, as it lightens the ration and increases its bulk. Not until high-yielding, smut-resistant and otherwise better varieties of naked oats are developed, and available will it be possible to recommend this type of oat as a safe crop for the farmer to grow.

Guineas Good Protection Against Hawks and Crows

Guineas are kept on many farms as a protection against chicken hawks, crows, etc., in the daytime, and as a night alarm against predatory persons and animals.
A flock of six to eight breeding birds is about right for the average farm. These should be replaced about every two years, at which age their usefulness as breeders practically ends.
Guineas usually mate in pairs, although a male will sometimes mate with two or three females. Better results in hatching will be obtained, however, if equal numbers of males and females are kept. During the breeding season the male will often be found sitting on the nest in the absence of the hen, and with her if the nest is large.

Feeding of Sugar Beets Is Not Economical Plan

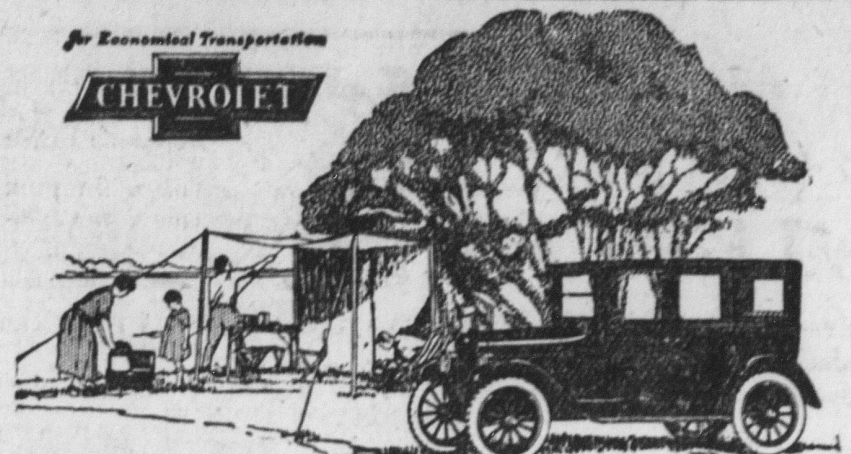
Roots are palatable, succulent and laxative but are low in protein and calcium. The sugar beet is one of the most palatable of the root crops fed to swine. Trials, however, have shown that the value of the sugar beet for fattening swine is so low that it is a very uneconomical feed. Occasionally it may prove profitable to turn the hogs into the field and harvest the beets in that manner, but as a general thing the feeding of sugar beets is not economical.

Free of Tuberculosis

There are now in the United States, according to a statement by the Department of Agriculture, more than 32,000 herds of cattle fully accredited by the government as being free of tuberculosis. Indiana has the largest number of these herds, 4,100. Wisconsin stands next with 3,967, and Minnesota third with 3,075.

Farm Hints

- Ice harvested in winter spells sweet cream in summer.
- We must preserve the birds if we would save humankind.
- Test every ear of corn, if you have saved your seed corn. If not, buy only tested seed of high germination.
- A problem soon to be undertaken by the Department of Agriculture is to standardize grades of live stock, meats and wool.
- Speltz (white emmer) will give good yields on a fertile piece of black clay loam. This crop is highly esteemed as a poultry feed.
- Acid phosphate is such a little wonderworker that many farmers say that, with manure, it's all the plant food their land needs.
- With things so high, the farmer who puts out a good garden for next summer is likely to be well repaid, even if not a thing is sold out of it.
- Farming is an individual occupation. Whether a man can follow it or not depends upon himself alone. In this respect, farming is not different from other open occupations.



Will Your Family Be Happy This Spring?

Suppose you have definitely decided to buy a Chevrolet this Spring.

That does not necessarily mean that you are going to get it.

Anyone posted on conditions in the automobile business will tell you that thousands of families are going to be unable to get cars this Spring. That has been true almost every Spring for years, but the shortage in April, May and June, this year, is going to be more serious than ever before.

The only way to be sure of a Chevrolet this Spring is to order it NOW.

If you do not want to pay for it in full at this time, any Chevrolet dealer will arrange terms to suit your convenience, so you can pay as you ride.

You will be surprised to learn how easy it is to pay for a Chevrolet.

BUY NOW!

Chevrolet Motor Company, Detroit, Mich.
Division of General Motors Corporation

Prices f. o. b. Flint, Michigan	
Superior Roadster	\$490
Superior Touring	495
Superior Utility Coupe	640
Superior 4-Passenger Coupe	725
Superior Sedan	475
Superior Commercial Chassis	395
Superior Light Delivery	495
Utility Express Truck Chassis	550

Fisher Bodies on Closed Models

Had No Weather

The first result of man's study of the weather was apparently to run away from it. Sir Napier Shaw, the English authority on meteorology, points out that the first civilization of which we have much record, that of Egypt, existed where there was really no weather. This civilization may have been the result, he says, of a migration of all the bright individuals or races from other parts of the world, who fled their inclement native climes and settled in Egypt. A similar movement seemed to be in progress at the present day.

Largest Telescope

The world's largest telescope is at Mount Wilson, Cal. It is a reflecting telescope, and the mirror measures 100 inches in diameter. The maximum power is 10,000 diameters; that is to say, the moon would appear as if brought within 25 miles of the observer. The lens for this telescope was made at the glassworks at St. Gobain, France.

Don't Forget Cuticura Talcum

When adding to your toilet requisites. An exquisite face, skin, baby and dusting powder and perfume, rendering other perfumes superfluous. You may rely on it because one of the Cuticura Trio (Soap, Ointment and Talcum), 25c each everywhere.—Advertisement.

As We Progress

Impressed by some "better business" literature, an English chemist in a market town placed several boxes of golf balls in his window. On next market day he found a countryman gazing at these globular exhibits with interest.

Navy Needs 65,000 Men

To keep the American navy up to the 86,000 men authorized under the naval appropriation bill 65,000 men will have to enlist or re-enlist during the coming year.

Hall's Catarrh Medicine

is a Combined Treatment, both local and internal, and has been successful in the treatment of Catarrh for over forty years. Sold by all druggists.
F. J. CHENEY & CO., Toledo, Ohio

FOR OVER 200 YEARS

haarlem oil has been a world-wide remedy for kidney, liver and bladder disorders, rheumatism, lumbago and uric acid conditions.



correct internal troubles, stimulate vital organs. Three sizes. All druggists. Insist on the original genuine GOLD MEDAL.

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The Best for All Chaps and Shavers
A Lotion Par Excellence
Especially recommended for promoting a Youthful and Beautiful Complexion
Superior for Chaps, Sunburn, Tan and Freckles—Healing and soothing to the most delicate skin.
Delightful after shaving.
If not at your druggist, send us your name and we will have you supplied.
ARNICA CREAM CO., Inc., Box 942, Roanoke, Va.

Cautious Porter
The lordling had just arrived at the tiny North Wales railway station, and John Evans Jones, the porter, had dragged from the guard's van a store of luggage, which included several portmanteaux, a camera, fishing tackle and golf clubs and a particularly ferocious bulldog.
"Aw, portah," commanded his lordship, "just put—aw—my portmanteaux, cameraw, etceteraw, on a cab."
John Evans Jones surveyed the bulldog dubiously.
"Yes, sir," he said slowly. "Er—the etceteraw won't bite, will he, sir?"

Paper Film Invented
A recent British invention, which may completely revolutionize the film industry, enables paper films to be projected on the screen by means of reflection from light placed in front of the reels, not behind them, as at present. These new paper films are said to possess many advantages over the ordinary celluloid kind. They are non-inflammable, they do not crack or tear, and last considerably longer than celluloid. They can also be made very cheaply, and may be sent through the mails in ordinary paper wrappers.

Your New Home
should be made artistic, sanitary and livable.



These walls should be Alabastined in the latest, up-to-the-minute nature color tints. Each room should reflect your own individuality and the treatment throughout be a complete perfect harmony in colors.

The walls of the old home, whether mansion or cottage, can be made just as attractive, just as sanitary, through the intelligent use of

Alabastine

Instead of kalsomine or wallpaper

It is absolutely necessary if you expect Alabastine results that you ask for and secure Alabastine.

Avoid kalsomines under various names and insist on the package with the cross and circle printed in red. That is the only way to be sure you are getting the genuine Alabastine.

Alabastine is easy to mix and apply, lasting in its results, and absolutely sanitary.

Alabastine is a dry powder, put up in five-pound packages, white and beautiful tints, ready to mix and use by the addition of cold water, and with full directions on each package. Every package of genuine Alabastine has cross and circle printed in red.

Write for hand-made color designs and special suggestions. Give us your decorative problems and let us help you work them out.

Alabastine Company
1655 Grandville Ave. Grand Rapids, Mich.

"Come to Canossa"

Canossa, in the Duchy of Modena, is where in the winter of 1076-7 the kaiser, Henry IV, stood barefooted in the snow for three days, a penitent awaiting the forgiveness of Pope Gregory VII. The expression "come to Canossa" has since been used to denote coming to a place of humiliation—in other words, "eating humble pie."

It Was There

He had gone into the manager's office to inquire if he could have the Saturday morning off for the purpose of digging up his garden.
"But, my good man," said the manager, "Jones told me a day or so ago that you hadn't a garden."
"Well, sooner or later I must have taken it off the window sill, then," came the reply.

Children Cry for "Castoria"

Especially Prepared for Infants and Children of All Ages

Mother! Fletcher's Castoria has been in use for over 30 years as a pleasant, harmless substitute for Castor Oil, Paregoric, Teething Drops and Soothing Syrup. Contains no narcotics. Proven directions are on each package. Physicians everywhere

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