

# FARM POULTRY

EGG A DAY MORE THAN HENS LAY

That a hen crosses the road for reasons of her own, and lays an egg a day, is all the information about her possessed by some members of the public. As a matter of fact, there is no record of a hen laying an egg a day for a full year. The standard as laid down by the poultry department of Ohio State university is 100 eggs in 365 days. The state average is about 70 eggs. Of course some high-grade hens do better. More than one hen on the records of the Ohio Poultry Improvement association has beaten the 300-egg mark in 365 days. But they are not common hens.

Egg production for the average hen is at the lowest point in November, when five eggs for the month is the standard requirement. This standard rises month by month to 21 eggs in April, then falls again.

This information is included on the Ohio State Poultry Calendar, distributed through the agricultural agents by the Ohio State university, to more than 3,000 Ohio poultry growers, who have registered with their agricultural agents and agreed to keep an accurate record of the performance of their flocks for 365 days. The calendar contains seasonal information on housing, feeding, breeding and diseases, prepared by the university poultry department.

## Floor Space Necessary for Different Breeds

The light breeds such as Leghorns, Anconas, Minorcas and others, should have three and one-half square feet of floor space per bird, while heavy breeds such as Plymouth Rocks, Rhode Island Reds, Wyandottes, Orpingtons and similar breeds should have at least four square feet per bird. If the present house is not large enough to provide this amount of space for the flock to be housed it is advisable to build more room, because a lack of space will make it increasingly difficult to keep the house sanitary and will lower the vitality of the birds, thus reducing the number and hatchability of the eggs produced.

## Wire Mesh Bottoms for Nests Discourage Mites

Many poultrymen are now building nests in their laying houses with a fine wire mesh for the bottom instead of the usual board nests. There are two principal advantages which are set forth for this practice. The first is that such nests will be freer of mites on account of the fine dust from the straw or other litter dropping through, and the second is that there will be fewer broken eggs.

Nests which are constructed on this plan may be easily sprayed for mites, which is an advantage in their favor. When the straw gets low in the nests eggs will not be so easily broken as they would in board nests.

## Hereditary Traits

Roosters furnish at least half of hereditary influences that determine the quality of chicks produced, and as relatively few males are required, the poultryman can afford to use considerable care in selecting the breeding males used in his different flocks. The ideal situation would be to have all flocks headed by males that combined good size, color and vitality with a pedigree of at least 200 eggs on the dam's side.

## Poultry Notes

Poultry keepers who use cod liver oil for their flocks should feed it from the time the birds are put into winter quarters.

The poultry men are awakening to a short-sighted policy similar to that which has prevailed in the dairy industry. They have been breeding for production and forgetting form.

Hens that molt late can never be coaxed to lay winter eggs and it is better to put them in separate coops and feed for vitality and future profit. Corn, buckwheat, and mash are all excellent.

Because proper sanitation about the poultry yards will keep down coccidiosis and prevent the problem of controlling it from becoming acute, the disease is regarded with less alarm than a few years ago.

One of the most important essentials of a poultry house is that it be dry, free from drafts and well supplied with fresh air.

Poorly colored birds and those with disqualifications, such as side sprigs on the comb and stubs on the legs, are undesirable as breeders.

Keep the pullets and early molters by themselves and give them the tonics, the green food and shells, starch, charcoal, etc., to stimulate egg production.

# The DAIRY

KEEP WATCH ON SPRING PASTURE

"Caution must be used in turning dairy cows on pasture in spring," advises E. J. Perry, dairy specialist at the New Jersey State College of Agriculture. "In the first place, unless certain precautions are taken, the milk flow may be cut down, and in the second place, the pastures may be injured.

"In changing heavy milking cows from dry winter feeding to pasture or green feed, it is safest to go slowly. The young grass is largely water, with only about 10 per cent dry matter, and it is very difficult for high producers to eat enough to supply the nutrients that will make it possible for them to produce their maximum amount of milk. Therefore, it is best to continue feeding some grain in addition to the pasture.

"Furthermore, a cause of pastures becoming thin and weedy is the turning loose of the cows too early in the spring. Plant growth is always affected by conditions existing above as well as below the ground. A stalk of grass must have a fairly large leaf area in order to grow rapidly. Too close grazing in the fall likewise retards spring pastures by holding back the root growth. After a year or two the sod becomes thin and patchy, and weeds crowd out the grass.

"Every dairyman is glad to turn his cows out in spring because much labor and feed expense connected with winter feeding is eliminated. The cheapest milk is made the first two months on pasture. But unless the grass is permitted to get a good start, it is likely to 'run out' before the end of the second month."

## Selection of Sire to Head the Dairy Herd

The selection of a sire to go with a good herd calls for the exercise of a good deal of judgment and the better the herd the more there is depending upon a right choice. All that we know of heredity tells us that he should be pure bred. It also says that he should come from as many generations as possible of animals having the quality wanted. If we want production then we must know where the production is. In other words, we need records.

To make cow testing or dairy herd improvement association records of more use in the selection of sires, a modification was devised and put into operation under the name of Herd Improvement Record. This plan has now been in operation over two years and has met with a very favorable reception. It applies to pure-bred and mixed herds of pure breeds and grades, giving more permanence to the records than in ordinary association work. It encourages culling, which amounts to voluntary "selective registration," and supplies the quickest way yet devised for finding out the value of a bull.

## Rinsing Milk Utensils With Boiling Hot Water

Rinsing of all milk utensils with hot water—water as near the boiling point as possible—after they have been thoroughly washed, is of prime importance. Neglect of this causes more trouble in the handling of milk than any other single factor. Barn conditions have very little effect upon the bacteria content of milk. Of course the barn should be reasonably clean; so should also the body of the cow and the hands of the milker, but these precautions are of slight value if the utensils in which the milk is handled are not properly cared for. Pouring rinse water from one can or pail into another should be avoided, because this cools the water too much to make the rinsing effective.

## Dairy Facts

The silo on the dairy farm is a "tower of prosperity."

Records of both the dams and daughters furnished by cow test associations show that good bulls are needed if the average production of our dairy cows is to be increased.

If that new concrete floor in your dairy stable is to be a real improvement, it must have the right dimensions, the gutters must be the right width and depth, and the floor must not be too smooth and slippery.

Common causes for cream churning too slow are too much cream in the churn and too low a temperature.

Grooming cows will directly or indirectly prove profitable. It improves the quality of the milk and affords satisfaction to the owner.

No mature bull ever should be trusted. It is a mistake to handle them, except when absolutely necessary, then always use a strong staff and never let the bull gain the upper hand.

## The BABY



No mother in this enlightened age would give her baby something she did not know was perfectly harmless, especially when a few drops of plain Castoria will right a baby's stomach and end almost any little ill. Fretfulness and fever, too; it seems no time until everything is serene.

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Just one warning: It is genuine Fletcher's Castoria that physicians recommend. Other preparations may be just as free from all doubtful drugs, but no child of this writer's is going to test them! Besides, the book on care and feeding of babies that comes with Fletcher's Castoria is worth its weight in gold.

## Children Cry for



Enthusiasm can be overdone.

## Help Kidneys By Drinking More Water

Take Salts to Flush Kidneys and Help Neutralize Irritating Acids

Kidney and bladder irritations often result from acidity, says a noted authority. The kidneys help filter this acid from the blood and pass it on to the bladder, where it may remain to irritate and inflame, causing a burning, scalding sensation, or setting up an irritation at the neck of the bladder, obliging you to seek relief two or three times during the night. The sufferer is in constant dread; the water passes sometimes with a scalding sensation and is very profuse; again, there is difficulty in voiding it.

Bladder weakness, most folks call it because they can't control urination. While it is extremely annoying and sometimes very painful, this is often one of the most simple ailments to overcome. Begin drinking lots of soft water, also get about four ounces of Jad Salts from your pharmacist and take a tablespoonful in a glass of water before breakfast. Continue this for two or three days. This will help neutralize the acids in the system so they no longer are a source of irritation to the bladder and urinary organs, which then act normal again.

Jad Salts is inexpensive, and is made from the acid of grapes and lemon juice, combined with lithia, and is used by thousands of folks who are subject to urinary disorders caused by acid irritation. Jad Salts causes no bad effects whatever. Here you have a pleasant, effervescent lithia-water drink which may quickly relieve your bladder irritation.

## Balloon Stays in Air

A balloon that will stay in the air for weeks at a time has been invented by M. Lucien Bodin of France. Bodin claims that his new device precludes the necessity of having to release all the gas from the bag in order to regulate its altitude. Besides the balloon's ordinary gas bag filled with hydrogen, not sufficient to support it alone, the proposed craft will carry an auxiliary compartment filled with air to supply buoyancy. The pilot can regulate his altitude by heating or cooling the air, thus obviating the necessity of releasing any of the hydrogen.—Chicago Daily News.

## And This Is Counted Good Legal Defense

"Criminal trials are involved with so many technicalities nowadays," said Attorney L. G. McCann, who at one time was a noted prosecuting attorney. "That unquestionably a great many criminals escape their just deserts. Leniency to women witnesses was largely responsible for the opening wedge; and precedent, the bugaboo of all trial lawyers, has done the rest.

"What could be more absurd than the testimony of Mike the Killer, re-arrested shortly after doing time under the name of Jones?"

"Now, Mr. Jones," coos the prosecutor, "isn't it true that you were released from the penitentiary only a month ago, after doing ten years for murder?"

"And Mr. Jones, alias Mike the Killer, who has read the newspapers, promptly answers, 'I don't remember.'"

—Los Angeles Times.

## Why He Succeeded

Honored politically and professionally, during his lifetime, Dr. R. V. Pierce, whose picture appears here, made a success few have equalled. His pure herbal remedies which have stood the test for many years are still among the "best sellers."

Dr. Pierce's Golden Medical Discovery is a stomach alterative which makes the blood richer. It clears the skin, beautifies it, pimples and eruptions vanish quickly. This Discovery of Dr. Pierce's puts you in fine condition. All dealers have it in liquid or tablets.

Send 10 cents for trial pkg. of tablets to Dr. Pierce, Buffalo, N. Y., and write for free advice.

## Dog Saved Miners' Lives

The dog at the Mohawk mine camp near Hazelton, recently saved the buildings there from destruction by fire. Tired after returning to camp through bitter cold, the men fell asleep after having kindled a fire. The stove became red hot and the floor began to burn. The pup jumped on one of the beds and aroused a man who extinguished the threatening conflagration.—Vancouver Province.

## Her Fingers Crossed

He (during the spat)—But you promised to obey at the altar. She—Of course. I didn't want to make a scene.

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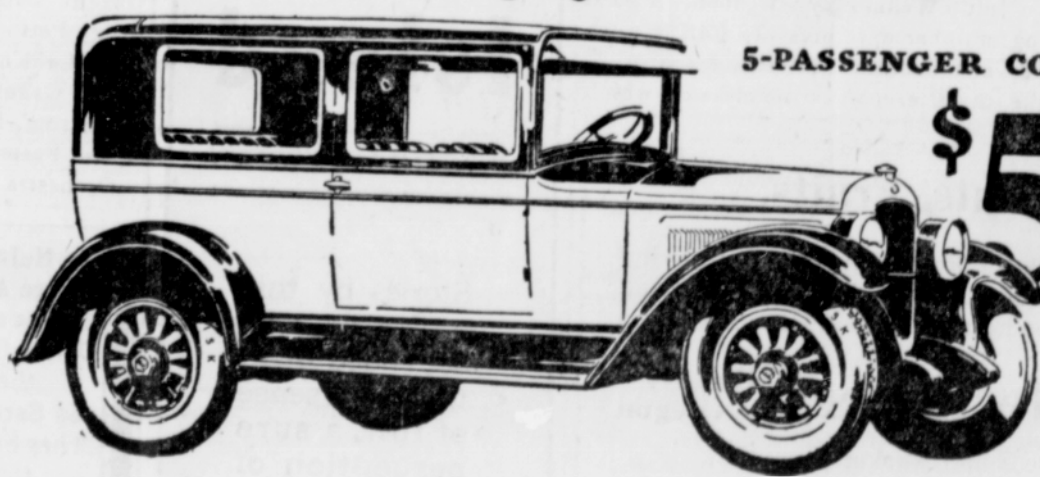
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