

FALL HYGIENE OF POULTRY FARM A BIG FACTOR IN ULTIMATE PROFITS

Prevention Is Far Better Than Cure in Care of Fowl.

White Minorcas Profitable Layers and Interesting to Raise.

By Michael K. Boyer,

Poultry Editor of the Farm Journal. An ounce of prevention is worth a pound of cure when it comes to handling poultry. Insidious disease, once it gains a foothold, is ten times harder to eradicate than if it were checked at the start or absolutely prevented. The hints on fall hygiene given herewith, therefore, emanating from an authority of Mr. Boyer's reputation, are worth their weight in gold. They tell how to save the flock from expensive treatment if not actual disease.

Mr. Graham shows White Minorcas in his sketch, and describes them in his customary interesting style.

The health of fowls must be preserved in order that they may be of profit. At no time of the year is this so important as in the fall—just as the moulting season is on and just on the eve of winter work.

The art of prevention is greater even than the art cure. Fowls are of a hardy, rugged nature. They become patients mere owing to the treatment given them by man than by any other means. They cannot stand neglect. Neither will they be able to maintain good health by being continually drugged. Medicine should never be given poultry except in real cases of sickness.

There are a number of ailments that are apt to afflict fowls in the fall of the year. These must be prevented or there will be trouble in camp during the coming winter. Chicken-pox is a more or less common disease. Distemper, catarrh and roup have their annual victims. There should be a fall housecleaning, and it should be vigorous work.

Fall is the time to make careful selection of birds for next year's breeding pens. The first thing to take into consideration in making up those pens, is to have fowls of a good, strong constitution. There should not be a flimsy, and, above all things, the stock must have a clean bill of health. Fowls that ever had a case of contagion should not be used in the breeding pens. Even though apparently cured, the germs of the disease to a certain extent will still remain, only to be inherited by the offspring. This is what makes future generations weak. Sturdiness should be the rule.

Fall hygiene consists not only in having healthy stock, but it equally calls for perfect conditions, sanitary houses, strict cleanliness and comfort.

Dangers of Moulting Season.

The moulting season is practically at its height. The young fowls began shedding their feathers in August, the yearlings this month, and the 2-year-olds and over will not be rightly in molt for another month. While this process is going on, the feathers that drop should be gathered and destroyed, the droppings scraped up daily, disinfectants used each week, and all mites and lice in the building destroyed. Fowls infested with vermin will become weak, and this weakness leads on to disease.

Fowls that were allowed to roost outdoors during the summer should now be got into the houses before cold weather sets in. There is much loss where this is neglected.

Not only should the houses be cleaned regularly, but they should be open continually. Fresh air is the best medicine in preventing colds, roup and other diseases. Open front houses go a great way toward maintaining good health.

Overcrowding in the pens of both old and young stock has its deadly effect. There seems to be a strong temptation to overcrowd the young at this time of the year. It is poor economy. It is dangerous.

On wet, dark days in the fall, when the fowls are quartered in close, insanitary houses, chickenpox is likely to attack the stock, producing sores or ulcers on the head face and under-side of the wing. Sometimes these sores extend to the eyes, resulting in the loss of one or both of them. In the south it is known as sorehead. Good treatment consists in using an ointment made of petroleum jelly, ten parts, and cool tea disinfectant, one part, rubbed on all the sores or sores. This is repeated daily until the fowl is cured.

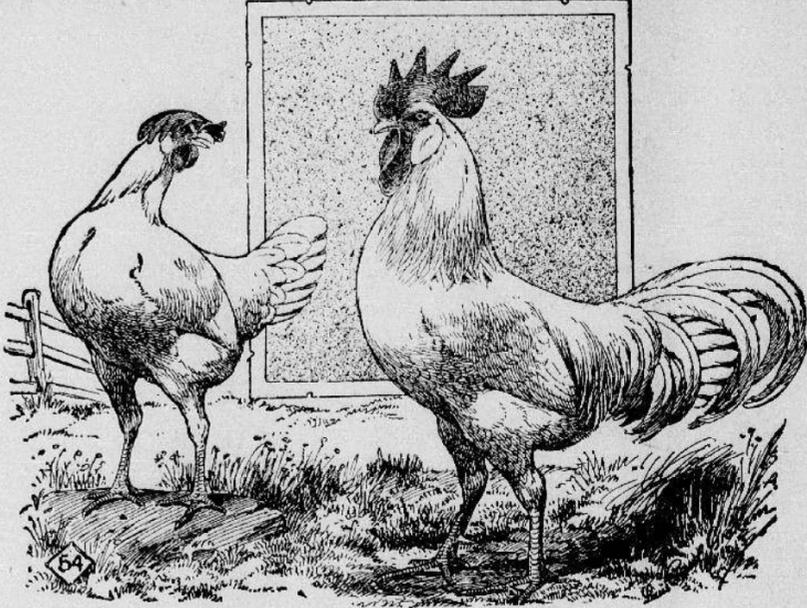
Food Should Be Watched.

As moulting will intensify any weakness that may be in the fowl, it is important that proper regard be had to the quality of food given. Starchy material should be fed sparingly, only sufficient to balance the nitrogenous material. It is well, also, to give tonics, like linseed meal, or a relative condition powder, in the mash and iron in the drinking water. This will tone up the system and prevent the weakness from developing into something more serious.

All fowls that pass through the molt without having contracted a cold or showed any other bad results, should be placed with those selected for the next season's breeding. Only strong, healthy stock can pass through the molt unscathed.

It is well to keep a watch on the fowls while moulting, so as to notice any signs of bad effects. All such should be immediately removed from the flock and placed on a grass range, or fed liberally on green stuff. It will not do to neglect them.

It must be borne in mind that tonics (such as mentioned) and not medicines are the safest and best methods. Giving medicine to a fowl before it is



S. C. WHITE MINORCAS.

A branch of one of the old varieties of poultry. They have been found in their native country, Spain, and in the island of Minorca, by those who have chosen to look up their birthplaces. This breed has most nearly reached perfection, however, in England, and the finest specimens are imported from that country.

White Minorcas are rated as extra heavy layers of the largest white eggs known to poultrymen, and although somewhat delicate and difficult to rear in great numbers, prove profitable when reared in small flocks.

sick, an excellent way to contract, rather than to prevent sickness.

Fall Sickness.

Distemper, catarrh and roup, together with severe cases of diarrhoea, generally make their first appearance in the fall. This, it is believed, is due to neglect of the fowls while they are in a weakened condition, due to moulting.

When exposed to cold winds or draughts, or if there are sudden atmospheric changes or dampness in the houses, or crowding on the roosts at night (causing sweat), fowls are apt to be afflicted with cold in the head. There is a discharge from the nostrils, watery at first, then mucous, followed by mucus-purulent. At times the discharge dries on the nostrils, stopping them, which compels the fowl to breathe with its mouth open. The eyes become watery with bubbles in corners.

Hydrogen dioxide is recommended for treatment. It is used as a wash. Keep the nostrils clean.

Doctor Salmon says a bird in good health when it appears lively, has a clear eye, a bright red comb, is quick and active in its movements, has a good appetite, and when the various organs of the body perform their functions in the manner in which they are observed to act in all birds that are vigorous and thriving.

Rheumatism finds a favorable season in the fall of the year. It is due to exposure to cold and dampness, or by overfeeding of nitrogenous food, or by underfeeding of green food. Iodide of potassium is a good general treatment, using fifteen grains to a quart of drinking water.

The reason why poultry that roost in the trees and on high fences or out-buildings are less liable to colds than those kept in the average houses is that there can be no suction draughts, such as there are apt to be in houses. The open-front house, with a double wall back, is the nearest to outside conditions without exposing fowls to the inclemency of the weather.

The houses must be kept clean. Where they are not properly looked after, the fowls become easy prey to cold, roup and catarrhal troubles. Fowls are weakened and made more susceptible to changes by a vitiated atmosphere.

Fall Rains Induce Colds.

Fall rains are cold or chilly, and exposure to them is apt to lead to colds. The storms in the afternoon do the most damage, as the birds get thoroughly drenched when they are housed for the night fairly begin to steam. If such a bird should happen to get in a draught, a heavy cold is pretty sure to develop within a day or so.

To doctor bad cases of colds, roup, canker or catarrh is not only a difficult task, but is attended with danger to the poultry attendant, especially when the disease has reached the canker or chesny stage. Becoming contagious at this stage, cases have been known where human beings were affected. The safest and best thing to do with such specimens is to kill and bury them deep.

To sum up: Fall hygiene consists in giving nourishing food, having well ventilated and disinfected houses, clean quarters, both fowls and buildings free from vermin, preventing exposure to cold rains and in keeping the stock comfortable.

Next week J. Harry Wolsieffer, poultry judge and lecturer, will write on "Showing Fowls at Fall Fairs." Mr. Graham will illustrate White Japanese bantams.

Mother of Eighteen Children.

"I am the mother of eighteen children and have the praise of doing more work than any young woman in my town," writes Mrs. C. J. Martin, Boone Mill, Va. "I suffered for five years with stomach trouble and could not eat as much as a biscuit without suffering. I have taken three bottles of Chamberlain's Tablets and am now a well woman and weigh 168 pounds. I can eat any thing I want to, and as much as I want and feel better than I have at any time in ten years. I refer to any one in Boone Mill or vicinity and they will vouch for what I say." Chamberlain's Tablets are for sale by all druggists.—Adv.

It has been discovered that the waste from dogwood shuttle-blocks can profitably be made into handles for steel knives and forks.

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Minorcas, Spanish and Andalusians, are all of one race—all from one country of origin—Spain. The former have been known to and bred by the English for almost a hundred years. According to some authorities, the very earliest name of the entire group was Minorcas. White Faced, Blue and Black, and later, when some white sports from the black variety were successfully bred together and reproduced—the White Minorca.

Investigators find the same type of fowl in both Spain and on the island of Minorca, so that undoubtedly it came from that country. It has, however, been developed and brought to its highest state of perfection by the English breeders, and the American Minorcas are all descendants from English importations. The White Minorca has been developed from sports or albinos of the black variety and as a layer of large white eggs and in other characteristics equals its black cousin. They are large, striking fowls, their pure white plumage, legs, beak and carles contrasting strongly with the brilliant red of their large combs and wattles. In the male the comb should be heavy, neatly serrated and stiffly erect. In the female the comb is thinner and folds, hanging over one

EDUCATION NOTES

The most hygienic country in the world is Sweden, in the opinion of Prof. Irving Fisher of Yale.

Practical work in sewing, cooking and other household arts is required in all English schools for girls above the infant grade.

In nearly 200 schools in Ireland instruction is carried on in both Irish and English as part of the program to revive interest in Gaelic language and literature.

In Minnesota the need for trained teachers of agriculture and domestic sciences is so great that the school of agricultural technology at the State university has taken for its main work the preparation of teachers for these subjects.

Boys in a fresh air school in Buffalo, N. Y., prune the orchard trees on the school grounds, grow catnip trees for future transplanting, study bird whistles and notes as they hear them in the orchard, and incidentally acquire a valuable insight into the main principles of forestry.

Of the 6,512,000 school children in Prussia, 3,815,000 are in Protestant schools, 2,389,000 in Roman Catholic schools and the comparatively small number of 308,555 in the nonsectarian schools, where the pupils take most of the subjects in common but receive religious instruction separately in the faith to which they belong.

"The school garden movement has shown us one way of solving the child labor problem," says Dr. P. P. Claxton, United States commissioner of education. "It has proved that children can make things grow and grow abundantly. A tiny plot, 4 by 8 feet, such as a child has in the city farm, grows vegetables enough to supply a family of five with a different vegetable every day for five days in the week."

Ohio State university has introduced an apprentice course in animal husbandry that includes two years' study at the university and two years of practical work on a stock farm. The student in this course spends the first year at the university, the second on a stock farm, the third year at the university again, and the fourth year on another stock farm. The students are paid for their work while on the farm. The plan has interested a number of the leading stock men of Ohio and other states and they are co-operating with the university in carrying it out.

Despondency, is often caused by indigestion and constipation, and quickly disappears when Chamberlain's Tablets are taken. For sale by all druggists.—Adv.

What Cures Eczema?

We have had so many inquiries lately regarding Eczema and other skin diseases that we are glad to make our answer public. After careful investigation we have found that a simple wash of Oil of Wintergreen, as compounded in D. D. D. Prescription, can be relied upon. We would not make this statement to our patrons, friends and neighbors unless we were sure of it—and although there are many so-called Eczema remedies sold, we ourselves unhesitatingly recommend D. D. D. prescription.

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We think we owe it to our fellow man to send them a copy in confidence so that any man anywhere who is weak and discouraged by repeated failures may stop dragging himself with harmful patent medicines, secure what we believe is the quickest-acting restorative, upbuilding, SPOT-POUCHING remedy ever devised, and so cure himself at home quietly and quickly. Just drop us a line like this: Interstate Remedy Co., 4123 Lock Building, Detroit, Mich., and we will send you a copy of this splendid recipe in a plain ordinary envelope free of charge. A great many doctors would charge \$5.00 to \$10.00 for merely writing out a prescription like this, but we send it entirely free.—Adv.

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All Records Broken

During the Past Week All Records for Business Were Broken at the Stores Interested in This Contest.

The Double Votes Did It
We are therefore going to give double votes for one week more
Just to see if we cannot break the record set last week. The store money and commutation books sold well, too, and the subscription list was swelled very considerably.

GIRLS! MAKE HAY WHILE THE SUN SHINES

STANDING OF CONTESTANTS

Carrie Schottlekorb	812,965	Mabel Terry	190,280	Ray Herrick	47,585
Bessie Batts	725,060	Anna Olson	162,990	Barbara Bennett	33,755
Patsey Haley	618,470	Florence Malley	160,705	Leon La Grandeur	33,545
Catherine Sirine	520,375	Genevieve Crawshaw	90,310	Dorothy Pearson	29,095
Mildred O'Brien	291,370	Edith Herwig	81,205	Sylvia Holzknecht	59,025
Helen Lyman	239,855	Helen Pulsifer	147,885	Rosie Hatcher	59,775
Hedwig Peterson	198,175	Edith Sherning	40,965	Rose Rossback	26,625
				Eulalia Taylor	46,330

List of Merchants Giving Votes

Western Montana Coal Company, Schlossberg's, John R. Daily Company and The Missoulian Publishing Company