

ASITES OF POULTRY.

A Common Cause of Loss.—Prevention and Extermination.

The presence of parasites is one of the primary causes of unprofitableness and disease in a flock of poultry, says the Poultry Division, Ottawa. The fowls are rarely examined, and the reason of their poor condition is not discovered or even considered. Then it will pay every poultryman to examine his birds carefully before they go into winter quarters, as their health and comfort during the next six months depend largely upon their freedom from vermin. There are three distinct groups of parasites preying upon the domestic fowl, fleas, lice and mites.

GROUPS OF PARASITES.—Only one species of flea, the bird flea, lives upon the fowl. This flea is provided with a sharp piercing mouth; it attacks the fowls at night and through causing constant irritation and loss of blood does much harm. The mouth of the louse differs from the mouth of the flea in that it is not sharp and piercing, but simply for biting. Lice bite sharply and cause considerable pain.

The most injurious of the mites is the red fowl mite. This is yellowish-white to dark red in color, according to the quantity of blood it contains. The blood is drawn from the fowls at night, and during the day the mite hides in the cracks and crevices of the house. When the chickens appear in poor health they should be examined at night, and if mites are found treatment should be resorted to.

PREVENTION AND EXTERMINATION.—If the poultry house is old and contains many crevices all the nests, roosts and other fixtures should be removed from it, and the walls and ceiling covered with heavy building paper and lime-wash. The latter should be applied hot and fairly liquid, so as to enter every crevice in the building. Its quality will be improved by adding to every gallon of the wash one-quarter pound of soft soap previously dissolved in boiling water; also a small quantity of salt. The material taken from the house should be burned, and new roosting quarters and inside fittings put in. These fittings should be simple in construction and easily removable so that the vermin can be destroyed.

Before the fowls return to the house they should be thoroughly dusted with insect powder or sulphur. By dusting each fowl over a box or paper, the powder can be well rubbed among the quills of the feathers, and the excess will not be wasted. The coal tar treatment for the destruction of the gape worm can be effectively used to rid fowls of vermin. The fowls are placed in a barrel, the inside of which is coated with a mixture of coal tar and coal oil of the consistency of paint, and the top of the barrel is covered. The lice are overcome by the coal tar fumes and fall to the bottom of the barrel. A paper should be placed to catch the vermin when they fall, so that they may be destroyed.

The poultry house requires cleaning and lime-washing twice a year. The roosts should be removed and treated with coal tar or kerosene every week, and the nests frequently cleansed and new straw placed in them.

It is necessary to regularly examine young chicks for head lice. If present, the lice will be found in the down or feathers on the chick's head. If not destroyed, they will so weaken the chick that it will die from loss of blood. The lice can be removed by smearing the chick's head with grease or sweet oil to which a few drops of carbolic acid have been added.

SCALY LEG. This disease is quite prevalent in flocks of neglected poultry, and is due to a species of mite. The scales of the legs and feet become raised and separated, and a chalk-like excretion accumulates between and over them; rough lumpy crusts are formed, and under these the mites live and breed.

The diseased legs and feet of the chickens should be well washed with a small, stiff brush, warm water and soap. The crusts should then be removed and a mixture of equal parts of sulphur and lard rubbed into the affected parts. After three or four days the legs of the chickens that were treated should be cleansed with soap and warm water.

The German War in South West Africa.

A gentleman lately arrived in England from the German Protectorate in South-west Africa, where he has resided for some time, gives a rather discouraging picture of the condition of things there so far as German authority is concerned. The German forces have thus far made no real headway in subduing the rebellious Hereros. Now several powerful tribes occupying the hinterland of the Protectorate have also risen in rebellion against German rule. These tribes are a warlike race of the Zulu family and are well supplied with modern rifles and ammunition, which they have bought from German and Portuguese traders. He says that in the war with the Hereros the Germans have already lost nearly all their officers who were acquainted with the country, and have to depend on native guides, who are often in sympathy with the rebels. 'Colonial officers on the spot long since asserted the necessity

of a vigorous policy with the natives, who have become more insolent and arrogant every year, but the poverty of the country and the desire for economy at Berlin has prevented anything like a suitable administration.'

'This is not a general anti-foreign movement, for the British are held in high esteem and respect, this favorable opinion being largely based on the reports of natives who have gone into British possessions.' He says that there are probably three hundred English people in German South-west Africa chiefly in the south, and that the rebellious chiefs have given orders that the English are not to be molested.

Trip to the Moon.

From St. Nicholas: How would you like to take a trip to the moon? It would be a long journey, taking more than six months if you went with the speed of an express train; or if you traveled with the swiftness of a ball from a modern cannon it would take about as long as a trip across the Atlantic in a fast steamer. Under average atmospheric conditions a large telescope gives us a view of the moon as it would be without the telescope at a distance of eight hundred miles from us. The necessary outfit for the journey must be much more extensive than for any trip on the earth, even the trip to the North Pole. There will be no chance 'to live off the country.' In addition to warm clothing and food, you must carry with you all you need to drink, and the problem of keeping it from freezing or thawing it out if frozen will not be an easy one to solve. There is practically no air in the moon, and you must take along a supply for breathing. If you expect to make a fire and cook your dinner you must take, in addition to fuel, an additional supply of air to keep your fire going. But suppose that in some way you are landed on the moon with a supply of things necessary for sustaining life. If you are on a part of the moon on which the sun is shining you will marvel, perhaps, first of all, at the dazzling brilliance of the sunlight and the intense blackness of the shadows. Everything in the shade will be in almost total darkness, as there is no air filled with little dust particles to scatter the sunlight so that it may illuminate the places out of the direct path of its rays.

And what a sense of desolation will present itself to your view! The Desert of Sahara would look like a luxuriant park in comparison with the lunar landscape. Not a blade of grass, not a tree or brook or lake—nothing but a vast, stony, silent desert. There are plains, not quite as level as our Western prairies, and great numbers of mountains, most of them much steeper than those on the earth; they are not grouped in long ranges, as our terrestrial mountains generally are, but are scattered all over the surface, singly and in irregular groups. Most of them are shaped more or less like our terrestrial volcanoes, and they probably were volcanoes ages ago, before the moon cooled off.

If you happen to land on a part of the moon where it is early morning you will have plenty of time for exploration before night comes on. The sun rises and sets as it does on the earth, but the time between sunrise and sunset is nearly fifteen of our days. Then during the long lunar night our earth will act like the moon, and will light up that part of the moon's surface which is turned toward it. Only there will be this curious difference—it will not rise and set, but will remain nearly stationary in the same region of the sky. From the side of the moon which is always turned away from us the earth, of course, can never be seen at all.

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BORN.

FORSYTH.—On the steamship Lake Manitoba, on October 21st, to the wife of William Forsyth, a daughter.

MARRIED.

GALLOPE-MURPHY.—At the Methodist Parsonage, Centreville, October 30th, by Rev. E. C. Turner, Mr. Ernest E. Gallope to Miss Maude L. Murphy, all of Blaine, Maine. [Houlton papers please copy.]

STILES-LEAVITT.—At Woodstock, on the 3rd, November, by the Rev. F. Allison Currier, M. A., Mr. Frank Stiles, to Miss Viola L. Leavitt, both of Smyrna, Me.

A NEW IDEA.

Tonic Treatment for Indigestion—New Strength for the Stomach from New, Rich Red Blood.

The Tonic Treatment—that is the latest and only scientific cure for indigestion. All the leading doctors of Europe and America are using it with sensational success. No more purgatives, no more pepsin, no more patent foods, no more long diet lists saying 'Thou shalt not eat this or that.' No more of all this—nothing, in fact, but plenty of new, pure, rich red blood to tone the liver and give the stomach strength for its work. That is the Tonic Treatment for Indigestion.

The tonic treatment is based on the new idea that drugs which digest the food for the stomach really weaken its powers through disuse. The digestive organs can never do their work properly until they are strong enough to do it for themselves. The only thing that can give the stomach and the liver new strength is good blood—and the only thing that can actually make new blood is Dr. Williams' Pink Pills for Pale People. They have long been known as the greatest blood-building tonic in the world, and all the highest medical authorities agree that the one scientific cure for indigestion is the Tonic Treatment. The marvellous success of the treatment has been proved in every corner of the Dominion. One of the latest witnesses is Mr. Joseph Rochette, St. Jerome, Que., who says: 'I simply hated the thought of food. Of course I had to force myself to eat, but afterwards I always suffered with dull, heavy pains in the stomach. I seemed to be bilious as well and this caused severe headaches, which further aggravated my unfortunate position. I grew pale, fell away in weight and the trouble seemed to be undermining my whole constitution. I tried several remedies, but without success; a doctor whom I consulted advised absolute rest, but this was out of the question as I had to work for my living. Fortunately for me, one of my friends advised me to use Dr. Williams' Pink Pills, and I decided to do so. After taking the pills for several weeks there was a decided improvement in my condition. Not only was my digestion better, but my general health improved in every way. New blood seemed to be coursing through my veins, bringing new health and strength every day. I took eight boxes of Dr. Williams' Pink Pills altogether, and those who see me now would never know I had seen an unwell day in all my life. I owe my splendid health to these pills, and strongly advise every dyspeptic or weak person to lose no time in taking them.'

Mr. Rochette's statement is a strong tribute to the Tonic Treatment. Dr. Williams' Pink Pills cured him because they actually made new rich blood for him. These pills go right down to the root of the trouble in the blood and cure that. The new blood they make carries healing health and strength to every part of the body. That is the new Tonic Treatment, and the highest medical authorities now recommend this treatment for all the common ailments such as anaemia, headaches, backaches, rheumatism, sciatica, neuralgia, nervousness, dyspepsia and general weakness. These are all caused by bad blood and therefore are all cured by Dr. Williams' Pink Pills. You can get these pills from any medicine dealer or by mail at 50c a box, or six boxes for \$2.50 by writing to the Dr. Williams Medicine Co., Brockville, Ont.

John D. Rockefeller, jr., recently told his Sunday school class that riches interfere with religion.

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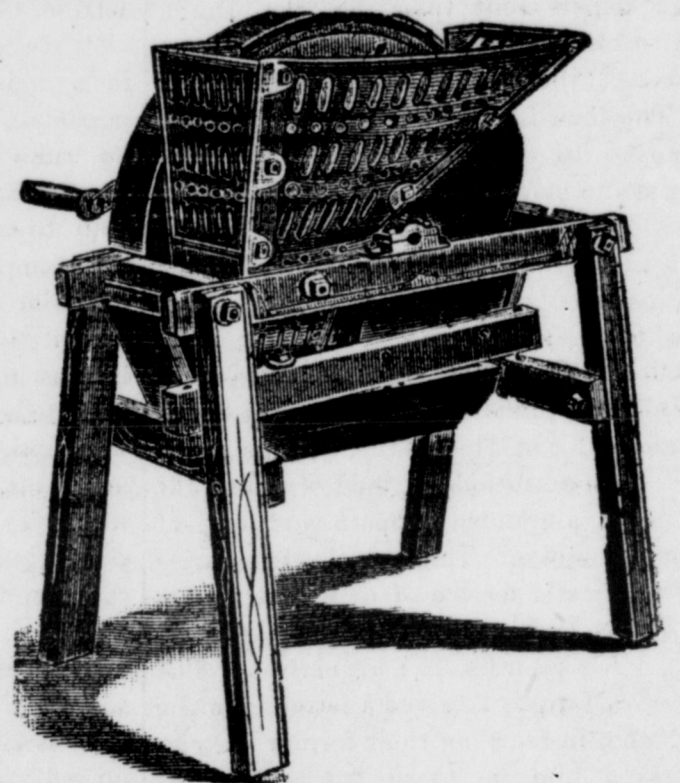
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