

Agricultural Department

POULTRY DOTS.

In deciding how much to feed, the poultryman has in the fowl itself three guides, three things that should furnish indications whether he is feeding right. These in the order in which it is most natural to use them are: (1) Appetite, (2) results, (3) condition.

The fowls should be ready and eager for each feed, even the light noon feed. If they are not there should be either a change of time of feeding or a reduction of the quantity given at the preceding feed. Frequently poultrymen who feed the mash very early in the morning find that the hens do not seem to care for it at that time, though, an hour, or even a half hour later, they will eat it readily.

Throughout northerly latitudes the general provision for giving fowls exercise is by littering the floors of the houses with straw, hay, leaves, cut corn stalks, or any material in which the grain will bury itself, or with which it can be covered, so that the fowls must scratch for it. The proper use of litter calls for the same exercise of judgment as the adjustment of the meals or the determination of the proportions of the ingredients of the ration.

Through errors both ways are numerous, the prevailing tendency is to use too much litter and compel too much exercise—to make it so hard for the fowls to get feed that they will work only for what is necessary to sustain life. One reason why some people get better results from evening mash is because the fowls get a full feed before going to roost, when if fed in litter (as they use it) they cannot get a good meal, or cannot get it in the time allowed them. Generally speaking, the depth of any loose and easily worked litter should not be less than three or four, and not more than six inches.

A practice handed down since before the days when scratching litter was generally provided is to hang a cabbage or fasten a root of beet or a piece of meat just out of reach of the fowls so that to get at it they must jump for every mouthful. I think this form of exercise of questionable value. A heavy hen carrying a lot of partly developed eggs is likely to be averse to taking exercise that way, or, if she does try it, to hurt herself, and it appears that sometimes jumping for exercise is responsible for the prevalence in a flock of corns and lamble feet, particularly when that is the only exercise provided, and the floors are not littered.

Exercise also serves another purpose which indirectly has quite an important relation to the matter of feeding as well as to production. The fowl with something to do keeps busy much of the time and is contented. With moderate exercise fowls probably more completely digest and assimilate their food, and are productive and keep in good condition on less food either than when not taking any exercise or when taking too much exercise.

Contentment aids digestion and economizes food. But we need not depend solely upon exercise dependent upon eating. Fowls given the opportunity to do so will take vigorous exercise dusting themselves. In fact, when the sun shines in on the earth floor they will work and wallow where by the hour, and this exercise does them just as much good as scratching. So occasionally on bright days rake the litter clean from a space on the floor where the sun shines, and give the fowls a chance to put variety into their exercise.

Hens will not eat too much feed scrap if it is left before them all the time.

INSECTS IN WINTER.

What becomes of insects in the winter is interesting to know; besides it is occasionally of some economic importance. A knowledge of their habits at this time of the year may be turned to good account for destroying them. If we look under boards, stones or rubbish we may find several of our garden enemies stowed away for the winter, remarks a writer in the National Fruit Grower. Among them, the black squash bug is likely to be in evidence. This disagreeable insect freezes up in the fall, but seems always ready to thaw out in the spring and resume business as though nothing had happened. The striped squash beetle has winter habits that are much the same as those of the squash bug. Its southern relative lives through the winter in the same manner, when it is in the North. Potato-stalk weevils dispose of themselves in the same way. But they are of minor importance in the garden.

The moral is evident: Clear up the rubbish and burn it, some of the insects will be destroyed, though enough will escape. Cutworms and white grubs pass the winter in larvae. Some of the former are destroyed by fall ploughing. Some insects hibernate in the ground as perfect insects. The Colorado beetle is prominent among them. Bean and pea weevils live, still spring in the seed. Treating the seed by inclosing it in tight vessels with a little bisulphide of carbon, gasoline or benzine is effective. The tomato worm pupates in the fall and remains in this condition all the following summer. It is often found when the ground is ploughed and is familiar to gardeners generally. The insect is so often infested with parasites that the pupa may as well be left to its fate. Several other insects burrow beneath the surface of the soil and remain till spring as pupae. Spanish vine borers, wireworms and the grey-colored beza caterpillar are most important among them. Turning them up in the fall by ploughing will kill many of the wireworms and some of the others. Cocoons of the imported cabbage worm are sometimes found in sheltered places about fences of buildings. This is the condition in which the creature passes the winter. There are other insects which are similar in their habit. If they are crushed whenever found it will be the means of saving next year's garden from many insects. It is sometimes recommended that these cocoons be gathered and kept. When the butterfly comes forth it is kept in a box covered with netting. It can then do no mischief, and if it has harbored any ichneumon flies they will have an opportunity to escape. This is good in theory, but it is not often put into practice. Cabbage root and onion maggot are capable of withstanding the winter as larvae, pupae or adults. But the most common stage in the garden during the winter is probably the last in which it resembles the house fly. In the larval stage finds a safe refuge in some wild plants. Among these are the most troublesome of the insects about the garden. They seem quite capable of taking care of themselves, much to our discomfort.

DEEP SEA TELEPHONES. (From the "Technical World.") A use to which the submarine telephone may be put in time of war will be for communicating with submarine torpedo-boats, as well as for detecting the presence of the latter class of vessels belonging to an enemy. For the former purpose an instrument called a multiple sounder has been constructed. This has an alphabetical keyboard resembling that of a typewriter, a pressure on a key causing a set of hammers to beat on a diaphragm the Morse telegraph sign for each letter. Any one who can operate a typewriter can in this way send a submarine message. A special apparatus somewhat like a stock ticker would be sent from the submarine boat and received at a shore station or on the flagship of a fleet. A more simple way of sending messages would be by attaching a striking siren or bell to the side of a ship and tapping out a certain agreed-upon code.

The Household.

KEEPING THE LIGHT.

Among the stations in the Canadian light-house service is one upon Island Dumfries, where the force consisted of four people, the keeper, his wife, and two assistants. One day the three men went on the ice. They never returned. Before the woman's eyes they were swept down by the breaking ice-floes. Months after, when the supply-ship reached the island with its supplies for four, it was met by the woman. "How did you get through the winter?" the skipper asked. They used to heroic in the service, but the thought of those terrible months caught her heart. This was her reply, which should not be easily forgotten: "I don't know. I only know that I have kept the light burning."

Oh, those faithful lights! None but God knows what they mean. They are not for sailors alone. Sometimes they shine from farm-house windows, sometimes down city streets. Out on the plains there is a certain gate-post where a lighted lantern has hung every night for seventeen years, ever since a boy disappeared from home. The father, old and sorrow-broken, carries it out every night, no matter how great the storm—his message of love, searching through the darkness for his boy. All the neighbors know what it means. They alone, the two who watch, have never guessed that the lantern in the darkness has preached to many a soul during the long years.

Is not here a message for those whose joy has gone out in some great darkness? Everything is at an end, they say—all gladness, hope, ambition—everything for which they live. No, there is one thing which has not ended, which never will and so long as life lasts, and that is duty. And God, who is pitiful, will surely be tender to the bruised but faithful souls who, standing at their posts through crushing storms of sorrow, make report: "I don't know how I have done it, but I have kept the light burning."—Exchange.

TODAY AND TOMORROW.

On every today we shape a tomorrow. Scatter love, sunshine, peace, joy for tomorrow, tomorrow will scatter them for you, help others today, they will help you tomorrow; live today the life of a nobleman, tomorrow will recognize you as one; pay today the price of health, wealth, fame, and tomorrow will deliver the goods; whatever you will, prepare for, work for, pay for, pray for for today, tomorrow it will come. The endeavor of tomorrow shall be the accomplishment of tomorrow; today's dream shall be tomorrow's deed.—Morning Star.

HOW TO KEEP FLOORS IN GOOD SHAPE.

Polished floors and rugs are becoming much more generally used. A fitted carpet showing no floor is quite a thing of the past, especially on the first floor and so it is very necessary to have them finished in a manner that will not only look well when done but which can be kept in perfect condition without an undue amount of time being spent on them. The easiest and best way of having floors attended to is to go to a first class firm that can be relied upon to use only the best materials, says Mabel P. Priestman, in the Philadelphia Inquirer. To do the work right, it must of necessity cost money, often more than those of limited means can afford. It is, therefore, necessary to know something about the process, and the best way of doing the work, as it is difficult to buy good materials, and have them put on by unskilled labor, and then to accept a cheap estimate, where only the poorest quality of material can be supplied for the price. There are excellent materials that can be bought, and by inquiring at the stores the names of these can be obtained. If a floor has been badly finished, and is sticky and worn away in parts, it is best to entirely remove all the original stain by using a good solvent, which can be applied on the oil finish. This will soften it, and it can then be rubbed off. It is best to use a steel tool to remove every trace of color, so that the floor looks like new wood. The next process is to use a good filler, when the wood is hard or soft, when the color is to be light. It fills up the pores and grain of the wood and insures a smooth, hard surface. The last process is the application of a hard wax finish, it is easily applied with a cloth and polished with a soft brush. A cloth can be used if the brush is not obtainable, but the brush, of course, saves time. The wax can be rubbed on a little at a time, and fifteen minutes later can be polished. Wax can be bought in light or dark color. If the floor is to be dark when finished the dark shade is best to use. If floors are finished in this manner they can be kept in good order for years by applying the wax and polishing once or twice a year, and this can easily be done by the maid or one of the family. Many good floor finishers prefer the shellac finish, and with their experience, excellent results can be obtained. But the knowledge of what is being used is essential to good work, and the amateur would probably go up against no end of trouble.

"Worn Out" People

—Don't neglect the first symptoms. Oftentimes the irritating cough, the insipid cold, the listless and languid feeling, are due to a weak state of the system. It is a sure sign of breakdown. Nothing else will put you right so quickly and effectively as "PSYCHINE." If you feel "worn out," it is time for a one really good tonic. There is only "PSYCHINE." Keep a bottle handy—never be without it. It tones up the system and restores your old time vitality. Ask your druggist about it.

GREATEST OF ALL TONICS PSYCHINE (PRONOUNCED SI-KEEN) ALL DRUGGISTS—ONE DOLLAR—FREE TRIAL DR. T. A. GLOUCEM, Limited 178 King St. W. Toronto, Canada.

MAKE MORE MONEY

Bigger Crops of Better Grain. Clean, Large Seed Increases the Yield 20%. It Pays to Know the Exact Weight of Everything you Buy or Sell. Chicken raising a very easy and simple way of adding to the farm's cash profits.



CHATHAM FANNING MILL Capacity 40 to 60 bush. per hour.



CHATHAM FARM SCALE Three Styles Capacity 2,000 lbs.



CHATHAM INCUBATOR No. 1—60 Eggs No. 2—120 Eggs No. 3—240 Eggs

Cleans Wheat, Rye, Timothy, Clover, Millet, Oats, Harey, Flax, Peas, Beans, Corn and all seeds. Lays Hopper, Over Feed easily regulated. Agitator prevents clogging and distributes fruit evenly over screens. Lower floor keeps screens clean—no other mill will do this. Has screens and adjustable side shake (three sizes) for cleaning grain. Sixteen screens and ridges, grading any kind of grain and separating chaff, broken grain, and weed—can't rust. Works easily and smoothly, combines simpler and smoother, combines simpler and smoother, combines simpler and smoother. The Chatham Fanning Mill will pay for itself in less than a year. It is the greatest economizer and profit-builder on the farm. It secures largest crops of better grain. PRIZE AWARDS—Highest awards at World's Fairs, St. Louis, Paris, France; Toronto, Winnipeg, Halifax, Charlottetown, Savannah and Jacksonville. GUARANTEE—Every mill guaranteed for five years. We send the Chatham Fanning Mill to you on a trial basis and you may return it at once without any cost down, and the most liberal terms of payment.

You need a Scale on your farm. You need it right now—today. Every day you put it off you lose money. Suppose you sell something at a profit of 100 cents and you don't know the weight, which are 150 cents. That means a loss to you of 50 cents on every 100 pound bag. Then you sell 100 bushels of grain at 10 cents. This dealer's scales are only 1/40 out, but your loss is \$1.75 on the deal. When crops are poor you need every cent these scales will save you. You need a scale on your farm at all times. The scale you think you can afford it, the more you save. The important point is to get the right scale. The Chatham Farm Scale is built in three styles, each one strongly recommended. It is built to stand the roughest kind of usage. Capacity 2,000 pounds—suitable for all farm uses. The three styles are of oil-tempered tool steel—practically indestructible—bearing and rollers are made of the same material. The Chatham Farm Scale is easily converted into a wheel truck. By moving the rollers you throw the weight of the mill into the truck. This allows the mill to be moved over the field frame of the truck. This procedure is simple and gives added accuracy to the scale. When you move the lever to throw the scale into the truck it automatically throws the scale into the truck. It is the only scale made in Canada that will do this. The Chatham Farm Scale is absolutely accurate. Before we ship a Chatham Farm Scale it is thoroughly gone over by the Government inspectors. Absolutely accurate in each and every respect and balance with a official stamp and from a certificate of accuracy which goes with the scale. Just send us your order for a Chatham Farm Scale anywhere in Canada. Don't send us any money. Just send us your order and we will ship the scale as fast as the railroad can get it to you. Our terms of payment are acknowledged to be the most liberal ever offered. Ask your neighbor, send us your name and address on a post card and we will mail you our booklet about the Chatham Farm Scale. Time may mean considerable loss of money to you. Write us today. Write for Particulars and Free Book. "How to Make Dollars out of Wind."

Chicken raising a very easy and simple way of adding to the farm's cash profits. People who sell you that there is no money in raising chicks may have tried to make money in the business by using setting hens so laid out, and they might as well have tried to locate a gold mine in the cabbage patch. The business of a hen is to lay eggs. As a teacher and brooder she is outclassed. That's the business of the Chatham Incubator and Brooder, and they do it perfectly and successfully. The poultry business, properly conducted, pays far better than any other business for the amount of time and money invested. Thousands of poultry-raisers—men and women all over Canada and the United States—have proved to their satisfaction that it is profitable to raise chicks with the Chatham Incubator and Brooder. The Chatham Incubator and Brooder is honestly constructed. There is no humbug about it. Every inch of material is thoroughly tested. The machine is built on scientific principles, the incubation is perfect, uniform and reliable, and the workmanship the best. The Chatham Incubator and Brooder is simple as well as scientific in construction—a woman or girl can operate the machine in their spare moments. Our proposition is this: We will ship you the Chatham Incubator and Brooder, freight prepaid, and

The MANSON CAMPBELL Co., Limited, Dept. No. 279, CHATHAM, CANADA

Always safe, pleasant and effectual for all coughs, colds, irritation of the throat. The Baird Company's Wine of Tar, Honey and Wild Cherry will give rest and comfort to the sleepless. Bronchial and asthmatic coughs are promptly relieved. At all dealers in medicine. THE BAIRD CO., LTD., Proprietors.

FEEDING The average horse, with the usual flow of saliva, eats one quart of oats in about fifteen minutes; with this flow partially stopped it takes thirty minutes. This shows how important it is to have the proper quantity of saliva and digestive juices. Clydesdale Stock Food increases the saliva and digestive juices because the feed being made "tasty" it makes the animals "mouth water," the same as our own when we add butter or jam to our soda biscuits; it makes it more enjoyable to eat. The horse, therefore, eats his feed up clean. The increased digestion and assimilation makes the blood circulate better, loosening the hide and making the coat glossy. Nothing injurious in it and can stop feeding without harmful effects. Our Herve Cure, Tar Foot Remedy, Colic Cure, Embrocation Liment, Gall Cure, Balsam Pine Healing Oil, and Worm Powders are equally as good in their own way. Money cheerfully refunded by the dealer if any Clydesdale Preparations do not give satisfaction. Try Hercules Poultry Food. Clydesdale Stock Food Co., Limited Toronto, Ont. For sale by J. W. ROSS, Bridgetown, R. S. MILLER, Annapolis, E. BROOKS & SON, Parnochville, J. H. CHARLTON, Middleton, N. H. PHINNEY & CO., Lawrenceston, SAMUEL POTTER, Clementsport.

Wanted! A LARGE QUANTITY OF HIDES, PELTS, CALF SKINS and TALLOW. CASH PAID AT THE HIGHEST MARKET PRICES. MacKenzie, Crowe & Co., Ltd. Bridgetown, Jan'y 17th. 1906. GROCERIES Fruit and Candy. At prices as low as the lowest, fresh goods and reliable. Mrs. J. E. Burns' Granville Street, Bridgetown. PATENTS PROMPTLY SECURED We solicit the business of Manufacturers, Engineers and others who require the facility of having their Patent business transacted by Experts. For a free estimate, write to: J. E. Burns, Montreal, P. Q., or New York City, N. Y., or Washington, D. C., U.S.A. The SINGER is the most popular Sewing Machine because it is the BEST. Thousands of the world testify to this by buying the Singer—ask. Now that the price is as low as that of many inferior machines, it should become still more popular. I can supply a Singer in either the "Trotter" style, or the "Automatic" type. Have the best Sewing Machine Oil. Needs for all makes of machines at 25c per gallon. Write, if sent by mail. I also can clean and repair. C. B. TUPPER, Agent GRANVILLE ST., WEST BRIDGETOWN. FINEST and FRESHEST Meat & Fish always in stock. Wm. I. Troop, GRANVILLE STREET. H. Mamy

CHAS. HEARN, Tailor Repair Rooms Ladies' and Gents' Clothes CLEANED, PRESSED and REPAIRED. Work promptly attended to and executed in satisfactory manner. Work called for and delivered. Rooms over T. A. Foster's store, opposite the Barber Shop. FOR SALE 15 S. C. Black Minorca Cockerels, thoroughbred, also 50 pullets. Prices right, satisfaction guaranteed. JAMES S. KEATING, Rockingham, Halifax, N. S. Photos for Christmas. They are good if it is your friend's wish like them. My season's work will be finished for those who wish to have their photos taken. I am running a line of Platinum, Tinted and Silver paper. I am at my gallery in Bridgetown, MONDAY, WEDNESDAY and SATURDAY. N. M. SMITH, - Photographer Money Saving Advice CALL AT THE BOOKSTORE For Fancy Goods, Reading Matter, China, Perfumes, Erushes, Combs, Stationery, Games, Toys and Choicest Confectionery. Mrs. Fred. McCormick GOODS MARKED DOWN. MEN AND BOYS. Overcoats for men, Price Marked 75.50 85.50 Overcoats for Men, 7.00 9.50 Overcoats for Men, 12.00 9.50 Reefers, Men and Boys, 3.50 3.50 Reefers for Lumbermen, 3.75 2.50 Suits for Men from \$4.00 upward. Suits for Boys from \$1.50 upward. LADIES AND MISSES. Wrappers, from 75 cents up. Shirtwaists, from 40 cents up. Silk Ties, from 12 cents up. MISCELLANEOUS. Tablespoons, 75c. doz., marked 45c. Teaspoons, 50c. doz., marked 35c. Forks, \$1.00 doz., marked 75c. Silver Watches, Men's and Women's from \$3.00 up.

TIGER KILLED WITH AN AXE. (Madras Weekly Mail.) Luak, a Sakai, was digging for potatoes with a wooden spade at Ulu Juk, Perakett, in the Malay States, when a tiger seized his left leg below the knee. He turned and hit the tiger on the head with a big chopper, which he picked up, killing the animal with one blow. He had to force open the tiger's mouth with his wooden spade to release his leg. Chamberlain's Cough Remedy Absolutely Harmless. Every mother should know that Chamberlain's Cough Remedy is perfectly safe for children to take, as it contains nothing harmful. For sale by S. N. Wear.

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