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## CHICKENS AND OTHER POULTRY

(By Joseph R. Farrington.)

### Poultry Runs Require Good Soil.

One of the most important things in poultry raising is to have proper runs. It is a mistaken idea that the best land for poultry is the poorest land that lies outdoors, or gravelly or sandy land, an acre of which will not produce enough hay to keep a goat alive. Hens and chickens require grass, and lots of it. An acre of good grass land is necessary for every hundred adult fowls. A poultry plant requires just as good soil as a dairy farm. No wonder so many people fail in the hen business when they erect their buildings upon sand. Remember what the Bible's warning is about building upon the sand and its advice about building upon the solid rock. Better locate the plant upon a rocky farm, for where there are rocks, good soil is sure to be found.

Poultry can be kept in most any kind of runs, providing there is some thing for them to eat in the shape of green and animal food. Yards or runs upon poor sandy or gravelly land are usually as destitute and barren of animal food as the deserts of Sahara. Little creeks, meadows, slashes, apple orchards, and woods make excellent runs for poultry, writes A. G. Symonds Contocook, N. H., in American Poultry Advocate.

A small, wet meadow, with a little brook oozing through it is a good run for, in such a place, mud worms, poly wogs, and various waterbugs are found in great abundance. There are certain soft streams that the hens enjoy. If such runs are bushy, so much the better, for they will furnish shade to the fowls. Meadow land that is dryer and with larger brooks also make splendid range for fowls.

Runs in slashes or brush pieces are especially good for growing stock. Chickens love to law underneath low bushes while resting, and they are better protected from hawks if there are bushes under which they can hide. Bugs and insects galore are found around old stumps where the original growth has been cut off and patches of grass and sloyd, here and there furnish a bountiful supply of green food.

An apple orchard is perhaps the best run for poultry in any stage of life. Plenty of grass, shade, bees, flies, moths, worms, and various kinds of insect life are ever present.

A heavy growth of wood or timber furnishes an excellent working place for the hens, especially in hot weather, leaves and pine needles have many kinds of insects lurking under them and the hens enjoy raking them over for the choice morsels they will discover.

A run one-half covered with grass, the other half planted to corn, makes a good combination, green food from the grassland, animal food and shade from the corn place.

Chickens may be allowed free range in grass, growing oats, potatoes, corn and garden stuff, with great benefit not only to them, but also to the crops.

Free range for poultry is the inexorable law of nature. Confinement is an artificial condition. Poultry left to themselves will not often frequent sandy land or sand banks unless to dust themselves. Hens given their freedom are much better able to satisfy their wants and supply their needs than any one human being is able to do when the hens are in confinement.

In parts of the country where foxes abound or other animals destructive to poultry it is necessary, to be on the safe side, to enclose one's farm or poultry range with a wire fence having the mesh fine enough to keep out all intruders and the fence tight at the bottom and at least four feet in height. If no fence is put up one might not be troubled for several years and then have so severe a blow struck, to rally from it would cost a season's work.

Small enclosures and poultry yards should be frequently renewed by plowing and seeding down. Whatever runs are used for poultry let them be productive, not sterile, of an abundance of green and animal food, with plenty of shade, and, if confinement in yards is necessary, make them approach natural conditions as near as possible. — Bangor Commercial.

Good soil and lots of bugs and seeds of various kinds mean less food because the poultry can find nearly all their food and also get good exercise.

### Poultry Yards.

The farm poultry keeper of the old school does not yard his fowls. The fancier, who is generally a village or city dweller, is obliged to construct yards. As the fancy poultry breeders are the ones who do most of the writing for the poultry papers, the idea of yards becomes infused into poultry literature, with the result that farmers who begin to take an interest in poultry breeding often go to the expense of building poultry yards in imitation of the town poultryman. Now, as a matter of fact, yarded poultry can be made to give really better results than fowls on free range, but it takes a lot of unnecessary labor to supply them with the shade, exercise and green food that they secure on the

range. Yarded fowls, if left to take care of themselves to the extent that the free range poultry may be, will prove unprofitable. By all means those who are situated where the chickens may run free should not bother with yards, except a small run on one side of the house, which may be used in stormy wintry weather or when the hens threaten the destruction of some favorite garden crop. — M. Hastings in Press.

In building your poultry house do not make any thing elaborate but the more simple the better because they are easily cleaned. Whitewash takes the place of paint very well.

An open front poultry house in this country is the best thing because then the fowls get lots of fresh air. There is not much danger in your older birds of getting frozen.

If chicks are allowed to roost on small thin roosts when first roosting they will develop a crooked breast bone which is a very bad thing in market fowls, because they do not make a good appearance. Also in exhibition birds they do have a bad appearance.

Poultry coops that have removable roosts and dropping boards can be cleaned much easier than permanent fixtures.

### Secret of Raising Chicks.

The great secret in raising chicks is in knowing by their looks and actions if they are comfortable. To make a success we must learn to know, but it does not take long to learn. In fact, our very first observations tells us, we know by their looks and actions.

If they are not comfortable they will try to huddle together; some have it that they pile up by climbing over, but my experience tells me that they pile up by pushing under. If they are too warm they will have their necks stretched, and some may have their mouths open; if they are comfortable they are quiet and do not pile up or scatter.

Watching and depending upon a thermometer has been responsible for the death of millions of chicks. I have known cranks to let the little chicks perish while they persisted in having the thermometer just so. The very best thermometer is the chicks themselves.

If the warm chamber of the brooder has a cool and warm end, the chicks will at all times be found in the most comfortable place. They do their own adjusting, day or night. The best regulator for the brooder is a good brooder with the lamp power in proportion; no self-regulator is equal to governing the heat when the conditions are so changeable. Depending upon regulators has filled many a chick cemetery. — Farm and Home.

### Fighting Fleas on Fowls.

I have not been fully successful in my fight against the chicken fleas, but have learned some things. Here they harbor worse in straw, therefore, keep all hay and straw out of henhouse and nests. Make the nests of dirt or ashes, if necessary. Cold helps to hold them in check, and water quite discourages them.

Recently I was told that coal ashes will destroy them. They are a very unpleasant pest, and one must watch for and fight them wherever found. If strict attention is paid to keeping the yard free from straw, the houses and nests cleaned often by using the hose, if possible, and nests of ashes indoors, also dust baths, you will find some relief from them. — Farm and Home.

A good feed: 15 pounds kafir corn, 15 pounds wheat, five pounds millet, three pounds cut oats, one pound bran, 1 1/2 pounds beef scraps. Grind the kafir corn and wheat rather coarse, then parch until brown. Also grind the beef scraps. Mix all the ingredients thoroughly, and it is ready to feed.

Bought chick feed has often an extra amount of grit so it is good to feed them home-made feed if you have got the feed to make it with.

Some people keep dry bran before their chicks constantly which is a very good idea.

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Photo by American Press Association

KANSAS CITY, Kan., July 24.—If Mrs. Kate Richards O'Hare is elected to congress from the Second Kansas district she promises to tender her resignation if the voters of her district think she votes in the interests of the trusts. Mrs. O'Hare has already written out her resignation, leaving it undated, the date to be supplied by any of her following who thinks she should have voted "another way on any bill before congress." It doesn't look as though Mrs. O'Hare would hold her seat for long even if she gets enough votes to take a seat by Uncle Joe. Mrs. O'Hare is a member of the Socialist party. She does the family washing between making speeches. She has fifty of those talks to be made within the next month, more than one a day, and will follow "with more talks—in fact, enough talks to insure my election," she says.

### ASTORS DODGE EACH OTHER AT NEWPORT

Colonel Is Now Visiting Friend There;  
Will Leave on Wife's Arrival.

Newport, R. I., July 23.—Colonel John J. Astor and his former wife are expected to divide the season here. Colonel Astor is here and Mrs. Astor is expected the latter part of the season with her brother, Barton Willing. Both have many mutual friends. For Colonel Astor to remain after Mrs. Astor arrives would create an awkward situation wherein friends who take no sides would suffer.

Colonel Astor's yacht is in the harbor with everything aboard for a cruise. When Mrs. Astor arrives he will leave. He has arranged for the departure so it will not appear that he is getting out of the way because of his former wife. It is understood that he never intended to stay the season.

With him will go his son Vincent, who is also popular here. It is deplorable, society says, but the same situation has arisen before in Newport and has been managed so deftly that there was no clash.

### REAL ESTATE TRANSACTIONS.

Entered for Record, Aug. 5, 1910,  
Lee Eon et al to Tong Chan .....CM  
Leu York Choong to Chai Hing  
Kee .....BS  
Leo Look to Chai Hing Kee.....AM  
Pioneer Bldg & Loan Socy of Haw  
to Grace W Kahoalii .....Rel  
Oahu Railway & Land Co to Hono-  
lulu Plantn Co .....Grant  
Isabel Spencer and hsb to William  
G Irwin .....Addl Chge  
Emilie L d'Herblay to William N  
Armstrong et al .....PA  
H F Lewis and wf to Gertrude O  
Whiteman .....D  
First Am Savs & Tr Co of Haw  
Ltd to David L Withington.....Rel  
Entered for Record Aug. 6, 1910,  
Emma A Nawahi to Notice .....Notice  
J K Gamalielson by Aft of Mtgee  
to Hilo Mercantile Co Ltd.....D  
Wilson Nahakuelua to A L Moses.....M  
Kobala Ranch Co Ltd to United  
States of America .....L  
H M Ieola Mandanao and wf to  
Jeanne B King .....D  
Rosina G K Dinegar to Anna Streu-  
beck .....AM  
Kama Kalualawa et al to Manuel  
A Ferreira .....D  
Hattie K Kaluhokalani and hsb to  
Guy S Goodness .....D  
Frank de Lima and wf to Mani S  
Ramos .....D  
Manoel S Ramos and wf to Frank  
de Lima .....D  
Christina M Espinda to Francisco  
M Espinola .....D  
James H Raymond and wf by Trs  
to First Natl Bank of Wailuku  
Contract  
Wailuku Sugar Co to Elmira John-  
son .....Each L

AT THE Sasebo Naval Dockyard work on the second class cruiser Taku-kuna has been started; at the Kawasaki Dockyard work on the big destroyer Yamakaze has begun; and the Umikaze, a sister ship to the above, is almost completed in the Maidzuru Naval Dockyard, and the trials will take place shortly. The Kawachi and Saitu, battleships now under construction at Kure will be launched in November next, and the Aki will be completed before next spring.

The hanging of Robert Martin, a negro, at Belleville, Ill., furnished a holiday spectacle for 1500 men, who held tickets of admission to the jail yard. Among the sheriff's guests were many negroes. Martin was executed for the murder of another negro.

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