

top of the pipes. Also fill in sawdust in front of the drawer, around the sides and upon the heater up to within 1 in. of the top of the escape pipes. Keep sawdust out of the pipes. Put a sheet of paper over the sawdust, but not obstructing the mouth of the pipes. The lamp should be run at medium light for a few days to get the incubator thoroughly heated. Have thermometers at the front and back ends and regulate the lamps to keep the temperature as near 103 degrees as possible. The temperature should not vary much from 102 degrees to 105 degrees. After the eggs have been in three days, put four shallow pans of water on the sawdust under the egg drawer, two in front and two in back, to supply moisture. The eggs are to be sprinkled once a day from the eighth to the 12th day, and after that three times a day. Turn the eggs three times a day. The machine can be built for \$20 to 25, including labor, and holds 300 eggs.

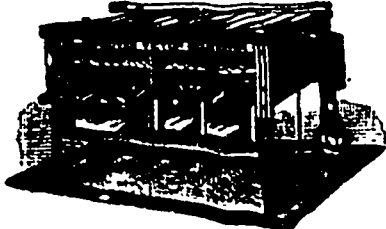
JUICY BONE FOOD MAKES EGGS.

Bone food for fowls, especially laying hens, serves an important part. Bones are best fed while yet green. They may be either pounded into fine bits or cut in pieces the desired size by means of machines especially manufactured for the purpose. These bits of bone serve as grit. The lime they contain assists in forming the egg shell, the nitrogen and phosphorus go to help make up the yolk and the white. It is not a heating food and can be given the year around. If one lives near a butcher shop it is usually not difficult to get a supply of bone regularly and cheaply. During warm weather the bone must be cut often, for it will spoil if kept any length of time. In winter or during cold weather it will remain unchanged for weeks. It is also quite valuable for young stock, as it furnishes material for building up the growing frame. It seems to be the experience of many prominent poultry raisers that cut bone is one of the most economical foods to be had. Of course it must be only one of the components of the ration.

Perfect Incubators and Brooders.

During the past few years nothing in the way of improved methods for the farmer have more thoroughly demonstrated their practicability, economy and time-saving qualities, than the incubator and brooder, which has resulted in larger or greatly increased profits from poultry.

Before the advent of these machines into general use, poultry, not only on the farm, but in the hen yard everywhere, was indulged merely for the benefit of the immediate family and occasionally a trade at the grocer's for some small household necessity. The readiness with which these trades were made indicated then what a demand there was for the fowl and its



product. As the population increased the particular value of the fowl became more apparent, even growing faster in proportion than the increase of population, so that now, both eggs and poultry are bringing better prices than ever before, and yet the demand is never satisfied and the market never overstocked.

This condition made it necessary to find something to assist the old hen in her efforts, and led to bringing into more general use the incubator and brooder. These machines, while very crude at first, have now been brought to an almost perfect state, even distancing the old hen at her own business. This is especially true of the Victor Incubators and brooders made by the Geo. Ertel Co., Quincy, Ill., who furnish machines, every one of which is guaranteed to do the work or they pay you back your money.

The following letter to us from Mrs. Lizzie Cochran of Kennett square, Pa., who writes: "I have an incubator which I bought through an advertisement in your paper of Geo. Ertel & Co. 300 eggs capacity. Just elegant. 190 little chicks out of the 300 the first time" shows what these machines will do and how they are appreciated.

For further information we refer you to the Geo. Ertel Co., Quincy, Ill., who will send you on application one of their 16-page nicely illustrated and descriptive catalog of their machines, telling how to start into the business, care for poultry and how to make it a success.

THE STYLISH INDIAN GAMES.

At poultry shows the Indian Game attracts attention for its spirited style, beautiful brown and greenish-black plumage, and general appearance of



CORNISH INDIAN GAME HEN.

high breeding. Considered as a practical bird, its most remarkable features are the wide prominent breast and thick meaty thighs. These characteristics render it of some value as a market fowl, and quite successful attempts have been made to combine the excellences of the Indian Game with those of other breeds by crossing with Brahma, Cochin or Wyandot; the cross giving a large, hardy, quick growing bird with meaty, well-flavored carcass. This breed is considered one of the most practical of the Game varieties, but is only a moderate layer of rather small eggs, a fair sitter and mother. The young chicks are somewhat tender in constitution. The meat is of unusually fine flavor. At the recent Boston poultry show some very fine specimens of the breed were shown.

FEEDING SMALL FLOCKS.

I feed my hens in the morning about daylight, or as soon as they can see to eat readily, a mash made as follows: For each pen of 10 or 12 fowls, 1 qt. of corn and oats ground together, with green food of some kind. Clover, beets, cabbage, turnips or most anything in this line will do to cook and put in the morning mash. Animal meal is always added to the morning mash, 1 tablespoonful to 10 hens.

My hens are all B P Rocks nearly, and 1 qt. of mash is just about right for each pen of 10. Feed just enough so they will go right to scratching in the litter. At noon I give each pen of 10 fowls 1 pt. of wheat or one-half as much as I feed at night, and it would be well to occasionally hang up a cabbage where the fowls can just reach it.—[Ohio Poultrykeeper.]

As Spring Approaches and fowls are given more liberty, less food is required and the variety need not be so varied, for much can be picked up about the yards, pastures and fields which will keep them in good condition. This, however, will not be wholly true until the grass starts and insects begin to appear. For those fowls which must be confined to yards, and especially laying hens, give a carefully prepared ration if good results are expected.

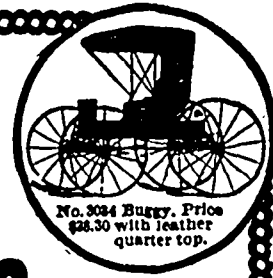
Incubator Prize—The Frank B. White company, Chicago, Ill., offers a \$5 prize for the best article sent them before Feb 25 on Buying an incubator, the article to contain 300 to 400 words. The company wishes to find out why people buy incubators and how they are influenced by advertising, etc.

Incubators Sent By Express to the Kansas and Nebraska state poultry shows, filled with eggs, made good hatches and won first prizes. That's why the Sure Hatch Incubator company of Clay Center, Neb., is happy.

Nest Material—All the good qualities that make pine needles so valuable for the layers make them still more useful in the nests of the sitters.



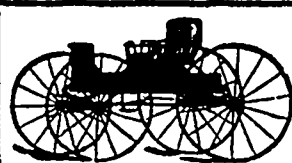
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Price \$22.50.



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Write for the catalogue—it's free—and learn what a fine carriage, harness or robe we can sell you for the price the dealer would charge for the ordinary kinds.

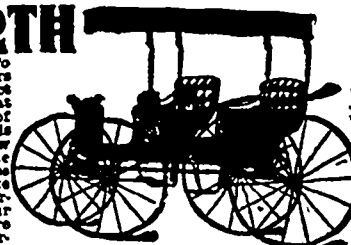
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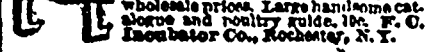
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