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ation as many eggs as possible should be hatched. Every breeder who has good fertile eggs for sale should make an effort to place them in the hands of those who will have them hatched rather than send them to market.—Dominion Department of Agriculture.

Animal Matter For Fowls

THE oldest works on the subject of poultry recommend feeding animal matter in some form. But it is only in recent years that feeding green bone became popular. Up until about 1889, winter egg production was not such a feature, great as the demand was, for the reason that there seemed no way of getting the hens down to solid work. There was an improvement, however, when better houses, better feeding, and better care were employed; but still the supply was meagre considering the output at the present day.

The subject of food finally became a serious study, resulting in a conclusion that more animal food must be placed on the bill of fare. But how to furnish it economically did not manifest itself until 1889, when R. W. Mann invented and placed on the market a crude machine, but, nevertheless, the initiative of the present high-class green bone cutters now on the market. As stated, this was the original bone cutter, and it is a matter of poultry history that the term "bone cutter" was actually coined by Mr. Mann.

According to an analysis by Professor James E. Rice, the nutritive value of green bone is 1.5.3, which is greater than any other form of meat—meat scrap, dried blood, dried fish or animal meal.

A Choice of Foods.

Hens are worm and insect hunters, and where they do not have range must be supplied a substitute in some form. Particularly in summer, the handiest meat food is meat scrap and meal meal, many brands of which are on the market. Green bone is better for fall, winter and early spring use. It is safe to feed in an egg ration one-tenth to one-fifth by weight of meat in the total ration, the quantity varying with the richness of the meat and other foods used. It is best to mix the meat in the meal feed. But in the case of green cut bone it is more satisfactory to feed in troughs, allowing a pound of green bone for every 16 fowls, or, an ounce per head.

The animal foods the fowls gather while on free range are usually high in percentage of nitrogenous matter and not a large portion of fat. Many of the artificial foods, excepting such as dried blood and skim milk, contain usually, besides the Nitrogenous matter, a high percentage of fat, which is not especially desired in compounding the ration. For instance, both earth worms and grasshoppers contain nearly 10 times as much protein as fat, while ordinary fresh cut bone contains about equal amounts of protein and fat.

Mistakes have been made in feeding green bone in giving too liberal a quantity. An excess will produce aggravated diarrhoea and worms, and a too liberal supply of meat scrap is apt to cause an overfat condition of the fowls.

It may be possible to have poultry live without any animal matter, but for profit and thrift it is necessary that they receive a certain per cent. of meat in the daily bill of fare, especially when they are confined to runs, or to houses in winter.—M. K. B.

It is a common practice to yard the poultry closely from seedling till the grain gets a start. When so yarded the fowl should have an amply supply of green food—mangels, etc.—and animal matter—meat, milk of dried blood.

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- Rennie's XXX Globe Table Beet Seed Pkg. 10c, oz. 20c, 4 ozs. 70c.
- First and Best Cabbage (hard head) Pkg. 10, oz. 30c, 4 ozs. 90c
- Rennie's Prize Swede Turnip, for table or stock 1/2 lb. 35c, lb. 45c
- Famous Golden Bantam Table Sweet Corn Pkg. 10c, lb. 40c, 5 lbs. \$1.90.
- Select Yellow Dutch Onion Sets lb. 35c, 5 lbs. \$1.70
- Shallot Multiplier Onion Sets lb. 30c, 5 lbs. \$1.40
- XXX Earliest Table Marrow Peas 4 oz. 15c, lb. 40c, 5 lbs. \$1.90
- Stringless Wax Butter Beans 4 ozs. 15c, lb. 50c, 5 lbs. \$2.40
- Rennie's Market Garden Table Carrot Pkg. 10c, oz. 25c, 4 ozs. 75c.
- Best Snowball Cauliflower (Gilt Edge) Pkg. 15c, 25c, 1/4 oz. 85c
- Citron for Preserving (red seeded) Pkg. 5c, oz. 15c, 4 ozs. 40c

Plant Rennie's High-Grade Seeds

- XXX Table Cucumber crisp, tender Pkg. 10c, oz. 25c, 4 ozs. 60c
- Unrivalled Lettuce, big buttery heads Pkg. 10c, oz. 30c, 4 ozs. 80c
- Select Yellow Globe Danvers Onion (black seed) Pkg. 5c, oz. 25c, 4 lbs. 65c.
- Early Canada Water Melon, fine quality Pkg. 5c, oz. 15c, 4 ozs. 40c.
- Improved French Breakfast Radish Pkg. 5c, oz. 10c, 4 ozs. 30c, lb. 90c.
- Rennie's Jumbo Sugar Beet, for stock 1/2 lb. 25c, lb. 45c
- Giant White Feeding Sugar Beet 4 ozs. 15c, 1/2 lb. 25c, lb. 45c
- Perfection Mammoth Red Mangel 1/2 lb. 25c, lb. 45c
- Rennie's Derby Swede Turnip, for stock 4 ozs. 20c, 1/2 lb. 37c, lb. 70c.
- White Field Seed Beans, big cropper lb. 30c, 5 lbs. \$1.25

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