THE BEACON, SATURDAY, OCTOBER 26, 1918



(Experimental Farms Note) Much of the drudgery is taken out of The success to be obtained from the hog feeding by the use of the self-feeder. farm flock will depend very largely on the According to investigations carried on at way it has been handled during the aut- the Experimental Farm at Ottawa, hogs, umn months. The plan at the Experi- after they have reached a certain age, do mental Farm, Nappan, N. S., is, before the better when fed in this way provided the breeding season opens in the fall, to go proper mixtures are used. Strange to through the flock, pick out all the non- say, when properly handled, dangerous producers, poor milkers, or any that may and wasteful over-feeding is not so likely have bad mouths or spoiled udders; also to occur with the self-feeder as when any that may be too old for breeding meals are given at stated hours. It has profitably, and discard them. In selecting been shown that the hogs are the best out the breeding flock looks alone are not judges of when they should take food. the only guide, as many times a ewe may The feeder is fully descrided in Special be a profitable breeder yet be very thin, Circular No.15, obtainable at the office of due to the fact that she has been brought the Publications Branch of the Departdown by a heavy milk flow. Good ewes ment of Agriculture at Ottawa. This should be retained in the flock as long bin-like receptacle is easily made at a cost as they will breed and feed their lambs of about \$10 even when new lumber is used in its construction. properly.

All lambs not intended for breeding purposes are sold. If the market happens to be flooded it is found to be more profitable to feed them well until January or February, by putting them on good aftermath until barning time, then finish on roots and meal.

SAVE YOUR WOOD-ASHES (Experimental Farms Note)

THE CAFETERIA SYSTEM FOR

The experience of many generations of farmers and gardeners has proven the

Ram lambs intended for breeding are high value of unleached wood-ashes as a placed in a separate field with good clover fertilizer, especially for clover, corn, farm aftermath and given a light grain mixture roots, and vegetables and fruit crops of 1 pound oats; 1 pound bran, and 1-5 generally. Wood-ashes contain no nitropound oilcake meal. The ewe lambs are gen and supply no humus, but as far as also placed in a field by themselves, but mineral plant food is concerned there is not given much grain unless the afterfeed probably no compounded mineral fertilizis poor. All breeding ewes are flushed er on the market that is more effective during the latter part of October or the and more lasting. They furnish potash, first of November. This consists in put- lime, phosphoric acid-the very elements ting them in a good field of clover and taken from the soil by the forest trees, giving them a light grain ration of oats, and, returned to the soil they will supply, bran, and a little oilcake meal. Hence the in the very best form and combinations, ewes make a rapid gain in flesh. There the mineral plant food required by our are several advantages from this practice. crops.

1st. The ewes which are bred in a thrifty According to analyses made by the condition are more apt to throw vigorous Division of Chemistry, Experimental lambs; 2nd. They are more reliable farms, unleached hardwood ashes, free breeders; 3rd, more likely to drop twins; from sand, etc., will contain between 5 4th, the flock will all breed more evenly and 6 per cent. of potash, about 2 per cent together, which makes it much better at of phosphoric acid and from 20 to 30 per lambing time in that the lambs are all cent of lime. Before the war Germany dropped within a short period of each supplied all the potash used for fertilizing other, thus making less work for the purposes; since that supply has been cut shepherd. off, potash has tremendously increased in

In selecting the flock ram it is the en- price so that now it is worth almost ten deavor to choose the very best, typical of times what it was in the early part of 1914, the breed and vigorous. Then he is fed and as a consequence it has practically well in order to keep him virile, but not disappeared from commercial fertilizers. too fat. He never gets grain until about The potash in 100 pounds of good quality a month before breeding season. He wood-ashes is now worth from \$1.00 to is never allowed to run with the ewes \$1.50. continually, but put in with them two or Owing to the scarcity and high price of

three hours each day. coal, farmers will be bnrning more wood In dividing the pen for winter, all this winter than has been customary for mature ewes are put together; shearlings many years. We counsel them to save in another pen and ewe lambs by them- carefully the ashes from their stoves, selves. The latter are not bred until one storing them in a dry place protected from year old. Should there be any weak the rain. Leached ashes contain very ones, they too are given a separate pen; little potash for this element is readily

When will it end?

Thousands upon thousands, endless thousands, hold their lives cheap as the price of Victorious Peace.

And we-as we watch from afar their heroic effortsmay we be able to say, that the little we at home could do, we have done;

-that in so far as we could support them, lighten their burdens, bring them comforts, we have done it;

-that we have striven unceasingly to shorten their stay in the Hun-made Hell;

otherwise they would not get a fair show soluble in water.

at the trough with the more vigorous The soils most benefited by wood-ashes ones. The above method of preparing are light sandy and gravelly loams, and sheep for winter has been found to be mucks and peaty soils. They are also most satisfactory. especially valuable for sour soils deficient

in lime. The application may be from THE DISEASES OF THE TOMATO broadcasted in the spring on the prepared 600 to 2000 pounds per acre, preferably

Few people have ever stopped to consider the number of diseases to which the tomato plant is subject. A bulletin recently issued by the Division of Botany of the Experimental Farms enumerates



forty-four of these diseases, and possibly This subject could be very well divided into three parts, viz., 1. Breeding, there may be more. Many complaints to which the potato, tobacco plant, and egg 2. Feeding, and 3. Housing.

plant are subject, are also common to the 1. Breeding,-In order to get the most tomato, the five plants all being members profitable results for feed consumed and of the Nightshade family. Mr. McCub- labor spent in raising calves it is necesbin, Assistant in Charge of the Plant sary to see that the breeding of the calves is of the best, that their sires and dams Pathological Laboratory at St. Catharines. Ontario, is the author of the bulletin, are good individuals of the breed which you are working with, and that they have which can be had free upon application to the Publications Branch, Department good records of performance behind them. of Agriculture, Ottawa. It consists of This applies to beef breeds as well as sixteen pages with three full page plates dairy.

showing some of the diseases at the var-2. Feeding,-As soon as the calf is dropped it should be separated from its dam ious stages. At a time when vegetable gardening is so general, there should be and not given any food for twelve hours. when it will have developed a good , appewide demand for the bulletin, which indeed no grower of the tomato should overtite and be ready to take its first food, which should consist of 5 pounds of its look.

mother's milk. This should be duplicated in twelve hours, which will make 10 pounds per day, which amount the calf should receive for the first two weeks.

At the end of two weeks the calf should " How did you get away from the traf- be getting 6 pounds twice a day, which fic cop who was after you for speeding? should be continued for three weeks. At Did you fool him ?" " Well, not exactly, the end of five weeks, commence feeding but we did manage to throw-dust in his the calf a small quantity of skim-milk mixed with the whole milk, gradually ineyes. "- Baltimore America.

Slaves Wear Them

Freemen Buy Bonds.

"Yes, my brother was slightly wounded in the Marne advance. We had a letter from regimental surgeon." "Where was he wounded?" "We are not quite sure. The surgeon mentioned the place, but we don't know whether it's an milk alone, there should be added to the anatomical phrase or a French village." milk a small quantity of equal parts of -Boston Transcript.



"Fifteen to thirty drops of Extract of Roots, commonly called Mether Seigel's Carative Syrap, may be taken in water with meals and at bedtime, for d bad blood. Persistin this treatment will effect re in nearly every case." the genuine at druggists.

land before seeding and harrowed in. THE RAISING OF CALVES (Experimental Farms Note)

accurate quantity at regular times, which dustry demands our consideration. At is very important in keeping the calf's the same time it should be realized that digestive organs in the best condition the publicity given to American achievement and the state of corparative ignor? and robust development.

3. Housing,-All quarters in which calves are kept should be clean, and they kept as to British achievement has given creasing the skim-milk and decreasing the whole milk until at the end of the seventh as to allow chance for exercise. They The truth is, apart altogether from repairs be continued until the calf is six months calf will develop a good strong constitution in order to be a healthy acquisition,

when grown, to the farm herd.

oil cake and ground oats with hulls taken Save money for Victory Bonds ! out. This is a good cream substitute, which partly takes the place of the butter fat which is lacking in the skim-milk. An ounce of this mixture, at first, twice a day

**BRITISH SHIPBUILDING** is sufficient, but should be gradually in-Speaking to the shareholder of R. and annum, a record of which the country creased as the calf develops. When the W. Hawthorn, Leslie and Co., Limited, may well be proud. If, however, the neccalf is six or seven weeks old, there should on Monday last, the chairman, Sir Her essary skilled labor had been returned

be placed before it some nice, sweet bert Rowell, said that "The enthusiasm from the Army, as could well have been clover hay and equal parts of ground oats of the workers in America, resulting in done in view of the arrival of the Ameriand bran, which it will soon learn to eat. the rapid developmenet of shipbuilding can forces, and adequate unskilled labor It should have as much of this feed as it in the coastal States, where it is a new supplied, the output of 3 million gross will eat up readily twice a day. Always industry, must command our admiration, register tons indicated to the shipbuilders good price. Hens have been selling as This meant a revenue of \$54.00 for the be careful that there is no feed left over but it should also inspire and foster a as necessary to meet the submarine men- high as roasters, and broilers have paid care of 152 birds for less than two weeks. in mangers, and that all pails and boxes in spirit of serious emulation amongst ace would undoubtedly be produced in well. Leghorn cockerels at the Experi- It also showed that for every pound inwhich calves are fed are kept perfectly British workers, as the ultimate effect of addition to the warship work in hand."- mental Farm have been sold at about 2 crease on the birds it took 31b. of milk, or clean and sweet. They should be fed an this new scource of production in our in- The Engineer.

-that freely, fervently, unitedly, we have laid our humble offerings alongside their noble sacrifices on the altar of Victory-and Peace.

Another opportunity to lend your individual weight to the blow that will shorten the war comes with the offering of Victory Bonds about to be made. Let not the privilege to do your share find you unprepared.

## specially finished on milk, brought good IT PAYS TO FINISH POULTRY returns and paid well for extra feed. Four different lots marketed in August, (Experimental Farms Note)

ance in which the British public has been Even with the present high price of feed no one can afford to sell birds, and they gained 60 pounds, weighing at the especially cockerels, in a thin condition, end of the feeding period 340 pounds. The good prices received for poultry They consumed 180 pounds of mash and meat more than pay for the extra feed, -a branch of the industry which has and if there ever was a time when birds composed of 2 parts corn-meal, 1 part from the nature of things increased enorshould be finished, it is now.

mously during the war-new construction in this country, taking both naval and chickens should be prohibited. The most lb.-\$7.20, and 24 gal. milk at 5c. per gal. mercantile together; has been during expensive part of the bird to produce, and these war years half as much again as that which is of the least value for food, and milk. Add to this the value of the during the best year of peace. This, ext is the frame. The cheapest weight for birds at the start, 280 lb. of thin chickens pressed in terms of output of merchant the feed fed is the flesh, as it is all edible; that would bring 35c. Ib. \$98.00, and it shipping, would, I estimate, be equal to the necessity of putting this flesh on is makes a total cost for thin chickens and feed of \$116.40.

The most profitable weight at which to The weight of the finished chicks was finish cockerels is when they weigh 340° lb., having gained 60 lb. in the 10 about 4 pounds, but even earlier birds days feeding. The value per lb. was inmay be fed with profit, as several experi- creased because of the quality of the flesh mental Farms this summer go to prove. to 50c. per lb., making the total value of

pounds each, and because of being an average cost of 14c. per lb. of gain.

fed for about ten days during which time 24 gallons of buttermilk. The mash was

152 birds, weighed 280 pounds; they were

middlings, and 1 part buckwheat screen-

As a war measure the marketing of thin

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