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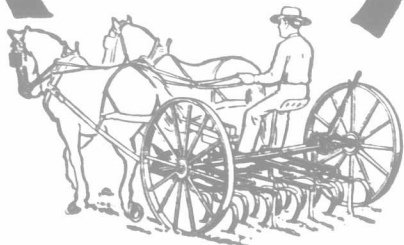
Men right around you found the benefit of first-class cultivation last year. In the construction of the Peter Hamilton Cultivator, every need has been considered and every requirement provided for. The different groups of three rows of teeth are subdivided again, and the front teeth are attached to one tooth-frame, back row to another. All teeth cultivate to an even depth and thoroughly work up every inch of ground. The

PETER HAMILTON Cultivator

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For Sale
Large numbers of choice males and females.
All ages.

Herold's Farms, Beamsville, Ont.

YORKSHIRES Sows 170 lbs. and under, not yet bred. Boars 2 and 3 months, 60 to choose from. Bred from prize-winning stock, Eldon Duke still at the head. Tell us your wants.
Wm. Manning & Sons, Woodville, Ontario

Meadow Brook Yorkshires
I am offering a few choice boars ready for service and some good litters ready to wean, May 1st. All bred from prize-winning stock. Prices reasonable.
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Berkshire Pigs Registered stock, choicely bred young boars, and sows in pig, all ages. Can supply pairs not akin.
CREDIT GRANGE FARM
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Champion Berkshires—When buying, buy the best; our present offering are sons and daughters of the two great champions, L. C. V. Lad and Baron Compton, and out of winners, including champions. Both sexes.
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Cloverdale Berkshires and Shropshires—In Berkshires I can furnish boars or sows, all ages, pairs not akin. All breeding stock imp. or from imp. stock. In Shropshires can furnish rams or ewes, any age, from imp. stock. Prices reasonable.
C. J. LANG, R. R. No. 3, Burkton, Ont.

Morrison Tamworths and Shorthorns. Bred from the prize-winning herds of England. Tamworth's, both sexes, 20 young sows, bred to farrow in June and 1 yr. Young boars from 2 to 3 months old; Shorthorns of the best milking strain. Chas. Currie, Morrison, Ont.

TAMWORTHS

Young sows bred from April and May farrow, and a nice lot of young boars for sale. Write:
John W. Todd, R. R. No. 1, Cernith, Ont.

Swine For Sale—An offering choice stock in Poland-China, and Chester White swine of either sex, most any age. First-prize Poland-China herd, London and Toronto, 1915. Prices easy.
GEO. G. GOULD, R. R. 4, ESSEX, ONT.

Springbank Chester Whites and Yorkshires—Ancestors bred from prize-winners and champions. Young boars four months old. Young pigs newly weaned, both sexes. In Yorkshires, we have both sexes ready to wean. Wm. Stevenson & Son, R.R. No. 1, Science Hill, Ont.

When writing mention "Advocate"

The Care of the Tobacco Seed Bed.

EDITOR "THE FARMER'S ADVOCATE":

From the time of seeding until the young plants have produced leaves of a fairly good size, tobacco seed-beds should be given very careful attention. At this time the germinating seed and young seedlings are very sensitive, and neglect may mean a complete failure or at least the production of unthrifty seedlings.

Immediately after being seeded the beds should be well watered and kept moist at all times.

The tobacco seeds are very near the surface of the beds, and to allow the beds to dry out not only checks the germination of the seed, but also causes the death of many seedlings.

The beds should never be flooded but should be kept thoroughly moist by applying water, preferably from which the chill has been removed, in a fine spray or from a sprinkler.

Ventilation should be given the beds every fine day and even during inclement weather. Fresh air is essential to the proper development of the plants, and lack of ventilation renders conditions most suitable for the development of diseases of the seedlings. However, since the temperature most suitable for the growth of the plants is between 75 and 80 degrees F., the ventilation should be so regulated as to avoid decreasing the temperature of the beds much below this.

While the canvas-covered beds rarely require as much attention as regards watering and ventilating as glass-covered beds, these should also be carefully watched and ventilating by removing the canvas occasionally will prove to be beneficial.

When the young plants show a yellow, unthrifty color they should be carefully examined, and if no signs of "root rot" are apparent on their roots this unthrifty appearance may be overcome by watering them, twice weekly, with a solution consisting of three pounds of nitrate of soda to one barrel of water; applied at the rate of one barrel of the solution to 200 square feet of bed. The plants should be sprinkled with pure water after applying the above solution or there will be danger of burning the foliage. The application of this solution should be discontinued after the plants acquire a green, thrifty appearance. Applying nitrate of soda too heavily or frequently will tend to produce weak, spindling plants.

The "damping off" disease of seedlings characterized by the rotting of the stalk just above the surface of the ground, is quite serious. This generally occurs on unsterilized beds and where the plants are thickest in the bed. Practically the only remedy known for this disease, after it occurs, consists of thinning the plants and giving plenty of ventilation, at the same time discontinuing the watering of the beds.—D. D. DIGGES, Supt. Tobacco Station.

Questions and Answers Miscellaneous.

Feeding Calves.

What is the best feed for growing calves? Is calf meal too expensive to feed? Will they thrive on oil cake? What is the difference in cost and nutritive properties between calf meal and oil-cake meal?
M. A. C.

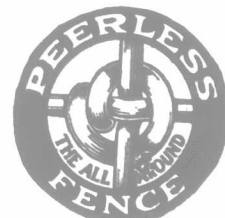
Ans.—There is nothing that can take the place of milk, either whole or skimmed. When the fat is removed from milk it is necessary to replace it in some other form. Flaxseed meal, cornmeal, and oats, make a very good supplement to skim-milk. It is not advisable to feed altogether on protein producing feeds, as the calf requires more or less of a balanced ration. Whole milk in itself is considered to contain the different nutrients required by the growing calf, in the proper proportions. Oil cake is good feed for practically any animal, but it must be remembered that it is comparatively low in fat. Besides the concentrates mentioned, good clover hay and a few roots or grass make excellent feed for growing calves. Calf meal is very often fed with good results, but not knowing the composition of the kind being used, it is difficult to give a comparison in nutritive properties.

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stands every test. Made by the open hearth process, all the impurities are burned out of the metal, thus removing one of the greatest causes of rust. The wire is also galvanized so thoroughly that it will not flake, chip or peel off. Every intersection of the wires in our farm and poultry fence is locked together with our Peerless lock. While these locks



hold the wires securely together, yet this fence can be readily adjusted and perfectly stretched over uneven ground. It's easily erected and on account of heavy, stiff stays used, few posts are required.

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The Banwell-Hoxie Wire Fence Co., Ltd.
Winnipeg, Man. Hamilton, Ont.



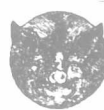
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WELDWOOD FARM, Farmer's Advocate, London, Ontario



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