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LINCOLN OATS from prize-winning stock. Won first at Guelph 1910 and 1912. Also first at Central Fair Ottawa, 1910, 1911 and 1912. 85c. per bus. W.G. RENNIE, Ellesmere, Ont.

Questions and Answers.
Miscellaneous.

Four Horses Abreast on Plows.
Can you give a contrivance to work four horses abreast on a two-furrow plow, so that none walk on plowed ground?

J. H. C.

Ans.—With one two-furrow plow we purchased an evener designed to allow the off horse to walk in the furrow, but we do not like it, and are getting a longer one made, designed to enable the off horse to walk on the plowed ground. Our evener is 58 inches from center to center of the two doubletree holes. The doubletrees are attached to the evener by rear clevises, each 29 inches from center to center of the whiffletree holes. The whiffletrees are each about 27 inches long. The trouble with this evener is that the horses are crowded together too closely, and all but the one in the furrow walk with a slight side draft, especially the first and second horses on the left. Another objection is that the whiffletrees are too short, and occasionally chafe the flanks of the latter two horses in turning.

Feeding Pigs—Poem—Insects.

1. What is the feeding value of cooked beans for hogs?
2. Some time ago you had a few verses giving directions for telling age of horses by teeth. Would you kindly repeat them?
3. I have noticed little white specks on top limbs of apple trees. Under shells were red lice of some kind. The shells were about the size of a grain of wheat. What are they?
4. What would be a balanced ration for hogs, from 75 to 150 lbs.?

B. W. W.

Ans.—1. Cooked beans, being unusually high in protein, have a high feeding value. They should be mixed with some feed rich in carbohydrates, as alone they produce a soft pork. Mix with corn, barley, or oats.

2. The poem referred to was published in our issue of October 31st, 1912, page 1882. We cannot repeat it so soon.

3. Likely red spiders.

4. Feed a mixture of one-third oats, one-third barley, and one-third peas or corn. Skim milk used for drink would be good. There are other grains which might be used, and, in fact, two of these are often used without the third. The main thing is to feed liberally, and not overdo it. Give a few roots.

Butter-worker.
Can you, or any of "The Farmer's Advocate" readers, tell me where I can get a butter-worker?

DAIRY MAID.

Ans.—Butter-workers are advertised by certain firms in these columns. If you have the time, and are handy with tools, a very satisfactory worker may be made at home. Get some strips of hard wood, maple preferred. Fashion the pieces into a wide, shallow trough, tapering at one end to about four inches. Set the trough on three legs, two under the wide end and one under the narrow. Make a roller out of a piece of the same material, four inches square, and one foot longer than the body of the worker. A very good length for a medium-sized dairy would be thirty inches for the body part, and forty-two inches for the roller. Cut with a fine-tooth saw one inch deep on each side of the stick at a point twelve inches from one end. This extra twelve inches is for a handle, and should be dressed down round and smooth to about two inches, so that it is easy to grasp by the operator. The remaining three feet must be made tapering, the small end (that opposite to the handle) being not more than an inch in diameter. Dress the wood square, then cut off the four corners to make it octagonal in shape. In the narrow end of the trough drive an ordinary, iron staple, and in the small end of the roller, a short, heavy, cut-iron nail (not a wire nail, which would be likely to bend). The nail should project about an inch. This fits into the staple holding the roller in place, and completes about as effective a butter-worker as anyone need ask for.

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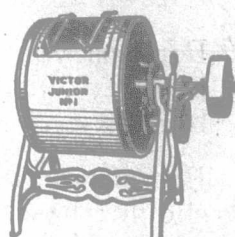
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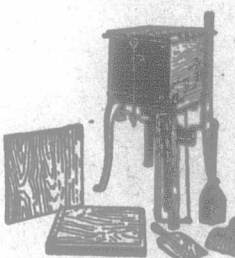
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Our Ayrshires are selected and bred for big production, and show-ring quality. Many of the heifers are offering are grand-daughters of the two Ex-World's Champions, Jean Armour, Rec. 20174 lbs., and Primrose of Tanglewyld, Rec. 18195 lbs. F. H. HARRIS, Mount Elgin P.O. & Ont.

Ayrshires and Yorkshires—We now offer at bargain bull calves dropped in July, 1912. All bred from (Imp.) sire and from other dams with good records, or their daughters either imported or home-bred. Some choice February pigs; also young pigs. Alex Hume & Co., Menie, Ont.

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Of choicest imported stock and with Imp. sires and dams. I am offering young cows, 3, 4 and 5 years of age; a grand bunch of Imp. yearling heifers, and a particularly good pair of young bulls. L-D. Phone. HECTOR GORDON, Howick, Que.

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This fall I have the best lot of lambs I ever bred. I have plenty of show material, bred from the best stock procurable in England. Order early if you want the best. Ram lambs, shearlings and ewe lambs. Yorkshires of all ages. J. A. Gerswell, Bond Head P. O., Ontario

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