

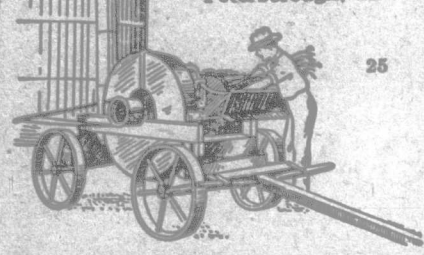
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## Yorkshires

Young sucking pigs, both sexes; also young sows, four months old. Address

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## Tamworths

Young sows and boars from several litters just weaned.  
HEROLDS FARMS, Beamsville, Ont.  
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### Meadow Brook Yorkshires

Sows bred for Sept. and Oct. farrow, and a few choice boars for service. Young pigs, both sexes and all ages. Prices right. G. W. MINERS, R. R. No. 3, Exeter, Ontario. (Huron County)

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Young sows bred for Fall farrow, and a nice lot of young boars for sale. Write  
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**Berkshire Pigs** Registered stock, choicely bred young boars, and sows pigs all ages. Can supply pairs not akin.

CREDIT GRANGE FARM  
J. B. Pearson, Mgr., Meadowvale, Ontario.

### Questions and Answers. Miscellaneous.

#### Hydraulic Ram.

How much fall would I require to raise water 25 or 30 feet with an hydraulic ram? What size should the feed pipe be, and what size the discharge pipe?

S. O.

Ans.—As little as 18 inches of fall will be sufficient with some hydraulic rams, but when raising water to 30 feet they would deliver a very small quantity of the water flowing through them, the remainder being lost through the waste valve. A fall of 3 feet would raise a fair quantity of the water; at 6 feet it is estimated that one-fifth the supply would be delivered. For a medium-sized ram the feed pipe should be about 1½ inches in diameter and five times as long as the height of the supply. One-half inch piping would be large enough for the discharge.

#### Hired Man Quitting.

I hired with my boss for a year from March 1st for \$200. I have been wanting to enlist all summer but didn't like to leave in harvest, for it is not very considerate to leave in the busiest part of year, but would like to know how much money I should get if I left say the first of November. Can a person leave and collect wages before his time is up if he wants to enlist?

S. J. P.

Ans.—Without knowing all circumstances it is difficult for us to say what the correct amount should be. Of course, according to contract you cannot collect until your year is up, but in view of the fact that you desire to enlist and are willing to help the farmer through with the harvest first you should be able to come to some arrangement between yourselves. Seeing that you will have worked the most important part of the season we should say that you should have full wages at the rate of hiring for the time served, but this is a matter to be amicably settled between yourselves.

#### Calves Chewing Wood.

I have two calves that chew wood. What is the cause and cure? These calves will stand and chew at their manger or wall for an hour at a time. They are fed a warm drink made of scalded midlings and separated milk, also some whole oats and bran mixed together, besides good hay. We tried feeding them bone meal in their drink, but it had no effect. A yearling heifer was much the same way last year and she gradually failed in flesh.

J. R.

Ans.—Cattle chewing wood is an indication that there is lack of phosphates in the system. It is a habit oftentimes caused by a deficiency of mineral matter in the food. Give the calves plenty of bran and good clover hay and a little salt every day. The bone meal should help to bring up the mineral part of the ration. Administering a mixture of one dram each sulphate of iron, nux vomica, gentian and 2 drams of phosphate of lime three times daily may help.

#### Weights of Grains.

Do you publish a notebook containing the weights of the different kinds of grains, vegetables, etc., per bushel?

W. A.

Ans.—We do not publish a book containing this information, but the following are the Dominion official weights per bushel of some of the grains, grasses and clovers:

	Pounds per bushel
Wheat.....	60
Oats.....	34
Barley.....	48
Corn.....	56
Buckwheat.....	48
Flax.....	56
Peas.....	60
Rye.....	56
Red Clover.....	60
Alfalfa.....	60
Alsike.....	60
Timothy.....	48
Turnips.....	50
Carrots.....	50
Onions.....	50
Potatoes.....	60

## The Laborer turns Manufacturer when a Farmer Invests in a TORONTO GASOLINE ENGINE

The **TORONTO** Gasoline Engine brings within the farmer's reach the business-like methods—the resulting profits—and the comforts and conveniences of the city manufacturer.

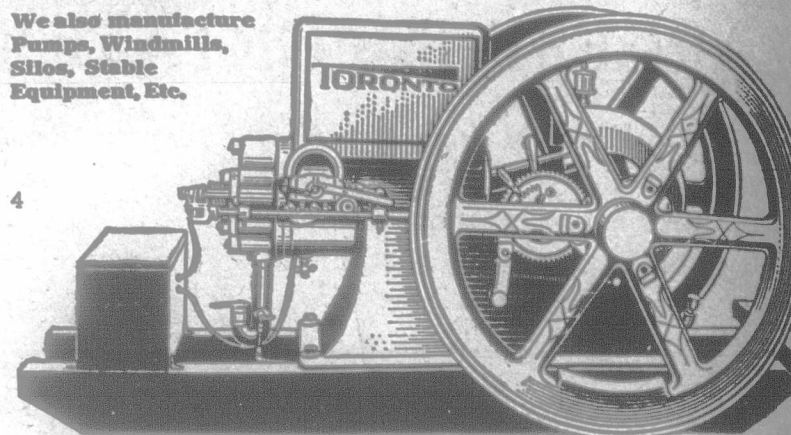
It relieves him of the hardest, most monotonous manual labor of the farm—running the fanning mill, root pulper, cream separator, grindstone, pump and churn. It handles the heavier work—grinding, sawing wood, cutting hay, straw and ensilage and filling the silo—with minimum expense and trouble. With the aid of a pressure or elevated tank it supplies running water throughout the house and stable.

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Langford Station on Brantford and Hamilton Radial.

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