

## Costs less than repairing

A SET of Giant traces at \$4.00 means that you can outfit your heavy teams and save actually \$12.00 per team. It would cost more to repair one old set of leather traces.

### Can't Get More Strength

You never saw anything stronger in leather than you get in these Giant traces. You never saw a longer trace that would wear with malleable ends and no dead heel chains. Remember the price—\$4.00 (all charges paid). You can fit out four teams for the retail price of one. (West of Port Williams price is \$4.50 prepaid).

**Whole Draught for \$11.00**  
That includes elg or hook harness, flange straps—wide leather plow pads. Belly bands and billets—and

**Griffith's ROPE Trace**  
**STRONGER THAN LEATHER**

The Griffith Giant Rope Trace. An extra strong outfit for heavy work. The business end of the harness for \$11.00, all charges prepaid! (\$15.00 West of Port Williams).

### See Your Dealer

Griffith's money-savers are on sale everywhere. Ask your dealer to show them to you. Ask him for a list of our specialists.

Griffith's money-savers are on sale everywhere. Ask your dealer to show them to you. Ask him for a list of our specialists.

**SAVE ON ALL HARNESS SPECIALS**

If you have trouble getting Griffith's Giant traces, Giant halters, "H.A.P."s, or any of our famous harness specialties, just drop us a line. We will see that you get what you want at regular prices, all charges paid. If you are interested in harnesses, ask for our special booklet "Hold 76 Waterloo St., Stratford your Harness."

**\$4.00 Per Set (4)**

(\$4.50 West of Ft. Williams)

G. L. Griffith & Son  
76 Waterloo St., Stratford your Harness.



## Run on Coal Oil—6c for 10 Hours

Ellis Engines develop more power on cheap lamp oil than other engines do on high-priced gasoline. Will also operate successfully on distillate, paraffin, alcohol or gasoline. Strongest, simplest, most powerful engine made; only three working parts. No cranking, no excessive weight, no carbonizing, low vibration, easy to operate.

**ELLIS ENGINES**

Have patent thrown, driving three engines in one, three feed oil; automobile type pump; belt-holding gear adjustable in any running and other exclusive features. Every engine sent on 30 days' approval with freight and duty paid. In your spare time, write for 1913 catalog, "Engine Facts," showing how mobile with special prices. Shipments made from Windsor, Ont. **ELLIS ENGINE CO., 207 E. Basse St., Windsor, Mich.**

## Give Your Crops a Good Start

**PROVIDED** you select good seed and plant it in a good seedbed, you can be reasonably sure of good crops.

A Peter Hamilton Cultivator will properly work your soil into a perfect seedbed. It is designed to go over every inch of the ground and till to an even depth. There are several groups of teeth attached to separate frames. Sections are of heavy extra-strength steel. Teeth are amply reinforced and will not go out of action under hard usage. The whole implement is light draft—no neck-weight falls on the horses. There are other good features that, when seen, will decide you in favor of a

## Peter Hamilton Cultivator

Sold by all  
John Deere  
Plow Co. Dealers

The Peter Hamilton  
Company, Limited  
PETERBOROUGH, ONT.



### Bristles

Winter hogs down with rheumatism are a poor compliment to the wisdom of their feeder.

The majority of the hogs in the country are marketed in a very few months of the year. Why not have hogs to sell when the neighbors have hogs to feed? The market is then at the top.

Palatability is the hog's ration is quite as important as a proper balance of nutrients. The hog eats food because it is palatable, not because its scientific ration is correct.

The profitable hog is the one forced right along and marketed when it reaches a weight of 180 to 200 pounds. The younger the hog the more efficient use does it make of its food.

The Western Farmer recommends 10 to 15 drops of belladonna twice a day in milk as an almost sure cure for thumps. Give little solid food, relying principally on a milk diet. Keep the animal warm and comfortable, and allow room for exercise.

A weaning method followed by some of our best pig men is to remove first the two strongest pigs in the litter, in a few days another pair, and so on until the litter is weaned. This method allows the milk flow of the sow to decrease gradually, and it also gives the weaker members of the litter, which need the milk most, the best opportunity to develop on it.

### Pigs Need Exercise

By H. W. L.

Pigs and fat are always associated. Exercise and fat, even in men, seldom go together. Now, the law is what we desire in hogs. Perhaps this explains why less provision is made for exercising the hogs than for any other class of live stock on the farm. The penalty that Canadian farmers pay for this neglect in the total amounts to thousands of dollars in the year.

When a litter of pigs is doing well, there is a great temptation to force them and make them unusually fat. Hence they are sluggish and inactive. They lie in bed most of the time, become physically weak, susceptible to disease and all other ailments. If they survive and are finished for market all well and good. If they are kept for breeding purposes, their weak constitutions, resulting from inactivity, are liable to be transmitted to their offspring.

It has been our experience that females that have had plenty of exercise from birth are vigorous and active, and that the mortality due to the sows lying on the young pigs is not nearly so great as with fat, sluggish sows. And yet the tendency is to keep the breeding stock of swine penned closely, with a minimum of exercise. The same applies to the male; he, too, needs exercise to develop a vigorous constitution and make a good breeder.

The ideal place for breeding stock in summer is on pasture, good clover pasture preferred. Even in winter the brood sows should be expected to take daily exercise out of doors. There is no better way to make them take exercise than to make them go out for feeding. Just at present our sows are outside every day. Along about the end of May they will be put in grassy paddocks for the summer.



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Linseed Meal  
Calf Meal  
Poultry Foods, etc.

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## Clover Seeds

Government Standard

	per bus.
No. 1 Red Clover	\$13.00
No. 2 Red Clover	12.00
No. 1 Alsike Clover	12.00
No. 2 Alsike Clover	11.00
No. 1 Alfalfa (Northern)	12.00
No. 2 Timothy	4.75
(Grades No. 1 for purity and germination)	
No. 3 Timothy	\$4.25

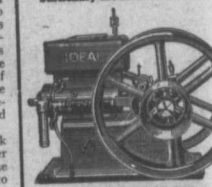
Terms cash with order. Bags extra, at 25c each. On all orders east of Manitoba of \$25 or over we pay the freight. We guarantee seeds to satisfy or ship back at our expense.

Ask for samples if necessary.

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1 1/2 to 20 H.P.  
Stationary Mounted and Tractor



**WINDMILLS**  
Grain Grinders, Water Scales, Steel Saw Frames, Pumps, Tanks, Etc.  
**GOOLD, SHAPLEY & MUIR CO., LTD.**  
Barnford Windsor Regina Calgary

### [Feed fo

The idle horse same ration as work hard even often detriment into an idle horse be a consideration after the quarters, "say cent, in the roughage as it

While this ration on the first day we believe it reduce the grain three or four days at work, in some the last day of leave about which during the winter. We would not on a definite given, but would the appearance variations in the animals under so great as to formulas. The eye of the master is based on the common sense, it enormously ing up of feed matter, after a factor.

### The Pro

There are the Canadian farmer. The treatment much to do with mare and the v arrives. So required much it will demand feeding two, ra is asked to sub out straw, timon literally starve. noted horseman good advice on mare at this tim "The mare sh her feeding at ness of the abdo concentrated fec ones, and bring of feeding three of twice, which idle horses. G heavy mixed clo with oats, bran, the proportion h one, make a m Protein is highb latter part of while bran will stipation in the "A quiet but is well bedded a should be prov sloping. The lo sleep in assisti is necessary, is hand when the

### Successful Small F

(Continues) minimum. The whole garden retention is the plants. All of kept heavily m straw. This str weeds, conserves never could tion of the addi each fall, no la quired under this shoots that com have to be cut o and the old can mer after the fr does not repres couple of hours' dantly we are re

A sheep farm i and clean in app profitable scaveng