

**"Takes the Wet Out of Rain."**

**TOWERS' FISH BRAND SCHOOLBOYS COAT**

**"Built to Wear"**

**A STRONG, well made raincoat especially designed for school and messenger boys. Made of heavy material, finished with corduroy collar, solid brass rust proof clasps and two strong outside pockets. In two colors—Black and Olive Khaki.**

Ask your dealer.

**Tower Canadian Limited**  
TORONTO  
Halifax Vancouver  
2 Coast to Coast Service.

**Heaves**

**AND HOW TO CURE**  
—A Standard treatment with years of success back of it to guarantee results is

**Fleming's Tonic Heave Remedy**

Use it on any case—No matter what else has been tried—and if three boxes fail to relieve, we will refund full amount paid. Further details in

**Fleming's Vest Pocket Veterinary Adviser**  
Write us for a Free Copy

**BEST EVER USED**  
Dear Sirs—Enclosed find \$1.00 for 1 package of Tonic Heave Remedy. I used a package last year and completely cured a case of Heaves of some 3 years' standing.  
H. B. BURKHOLDER, Lillooet, B.C.  
Per Box, \$1.00; 6 for \$5.00

**FLEMING BROS., Chemists**  
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## Cream Wanted

Ship your cream to us. We pay all express charges. We supply cans. We remit daily. We guarantee highest market price.

**Ontario Creameries LIMITED**  
LONDON - ONTARIO

**HEAVES CURED**

Not merely relieved, but absolutely cured. For 24 years

**CAPITAL HEAVES REMEDY**  
has been saving horses for farmers and stockmen. Even the worst cases yield to its action, and every full treatment is sold with our positive guarantee of satisfaction or money back.

**FREE TRIAL OFFER**  
We have such confidence in this remedy that we send a full week's trial free, for 5c. to cover postage and wrapping. Write us **VETERINARY SUPPLY HOUSE,** today. 750 Cooper Street, Ottawa, Ont.

## Shire Breeding Should be Greatly Extended

Shires excel all other breeds in size and conformation. Size has never been sacrificed to quality, but quality is always kept in view, and Shires embody the best combination of these two most important features among the heavy breeds. Shires have the best possible conformation for heavy draft work, their shoulders being ideal for this purpose. In addition to conformation they have the necessary weight to enable them to move heavy loads with minimum effort.

**G. de W. GREEN**  
Sec.-Treasurer Canadian Shire Horse Association.  
58 Grenville St., Toronto, Ont.

as the Germans have been for the past four years and as we might have been if Germany had only built a larger fleet of submarines before she declared war, the value must be assessed in some other way. Let us inquire, therefore, how many persons 100 acres of land will feed for a year if put under different crops.

**RELATIVE VALUES OF PASTURE AND ARABLE CULTIVATION.**—First, as regards grass. We have in this country grass of varying quality, from the hill pasture producing 2 or 3 lb. of mutton per annum to the rich grazing pasture on which a bullock may put on  $\frac{3}{4}$  cwt. of live-weight per acre in the season. If we take very poor lowland pastures worth from 2s. 6d. to 5s. per acre for grazing, it will be found that they yield about 20 lb. of lean meat per annum; a medium pasture, rented at from 15s. to 20s. according to the district, may be expected to produce about 100 lb. of meat, while a first-rate fattening pasture, rented at from 30s. to 40s., may produce as much as 200 lb. per acre per annum. If we take the produce of 100 acres of land of each description and assume that the meat produced is used skilfully in combination with other foods, and if by this method we calculate the total number of persons who could be supported on the produce of 100 acres for one year, we get the following figures:—

From the poor pasture..... 2—3 persons.  
From the medium pasture..... 14—16 "  
From the rich pasture..... 25—40 "

Now how do these figures compare with the produce of tillage land? Let us assume that we have 100 acres growing an average crop of wheat, that the tailings and damaged grain are used in cattle-feeding, and that the balance of the crop after providing seed amounts to about 29 bushels per acre. The produce of 100 acres of this wheat, if milled to 80 per cent. would yield food for 230 persons for a year, and if the milling were reduced to about the pre-war standard it would provide food for 200.

Making similar estimates for average crops of barley and oats, we should find that they provide food for from 160-180 persons per 100 acres.

Potatoes, which, by themselves, would be quite an unsuitable food, but which, in combination with a limited amount of grain and meat, are quite capable of maintaining a population in perfect health, are even more valuable from the standpoint of maintenance of a large population than the cereals. An ordinary 6-ton crop, after allowing 15 cwt. for seed and 10 per cent. for waste, should provide enough to feed 400 persons per 100 acres of land. We may next compare with these figures the value, as human food, of such crops as mangolds and meadow hay. These cannot be used direct but must be employed in producing meat or milk. Assuming that they are used in meat production, a 20-ton mangold crop would produce food for 40 persons per 100 acres and a 30-cwt crop of meadow hay would similarly provide for 14 persons. It will thus be seen that there is a wide range in value between our different farm crops when value is estimated in terms of production of human food.

It is not practicable or at least under ordinary farming conditions it would not be practicable, to grow cereals and potatoes continuously. The crops of our tillage land are arranged in rotations which vary from district to district. I have estimated that if we averaged the rotations practiced in the United Kingdom before the War and used the tillage crops partly for human food, partly for stock-feeding, as was then our custom, the produce of the ploughed land of the country maintained about 84 persons per 100 acres. Similarly, I have estimated that before the War the grass land of the United Kingdom, which was partly used for milk production, partly for meat production, partly for other purposes, such as the maintenance of horses and the growing of hay, was providing food for about 20 persons per 100 acres per annum. In time of war, therefore, when the production of human food is the prime object of the nation, there can be no controversy as to the relative values of tillage and grass land.

**PRODUCTION OF MEAT AS COMPARED WITH WHEAT.**—But in time of war it is not enough to consider the relative number of men who can be fed on a given area of land. We must also have regard to the shipping required for provisions.

## LANDS WANTED FOR... SOLDIER SETTLERS

**POWERS** have been granted to the Soldier Settlement Board of Canada by Order in Council of the 11th of February, 1919, to purchase land to be re-sold to qualified returned soldiers who desire to make farming their permanent vocation.

To assist soldiers in settling in any suitable district in which they may wish to locate, the Soldier Settlement Board desires to have filed in each of their Provincial Offices a select list of farm lands available for purchase in each district of the Eastern Provinces, with full description and lowest cash prices of the same. Purchases by the Board will be paid for in cash.

The public are informed that this land is for purchase by returned soldiers, and must be of good agricultural quality, and reasonable price, making possible the success of the soldier as a farmer. It should be within seven miles of a railway, open, free from weeds, water supply assured, and of moderate price. In giving particulars, mention nearest market and school. In comparison with the vast supply of vacant lands, the number of farms immediately required will be very limited. Owners, therefore, will kindly assist the Board by offering for the present only land which fills the above requirements.

No commission will be charged or paid. No offers to sell will be binding on the person offering, unless a sale is effected, and no obligation will be on the Board to accept any offer.

If application from a returned soldier be received for the purchase of land, an inspection and valuation of such land may be made by the Board, as soon as free from snow. If approved, negotiations may be entered into for the purchase and sale thereof. An approved list is desired for each suitable district throughout Canada.

All communications concerning land in the Eastern Provinces should be addressed to the Provincial Supervisor of the Soldier Settlement Board for the province in which the land offered for sale is situated, a list of whom is given below:—

<b>ONTARIO:</b> Mr. W. M. Jones, 32 Adelaide St. E., Toronto.	<b>NOVA SCOTIA:</b> Mr. R. H. Congdon, 529 Barrington St., Halifax.
<b>QUEBEC:</b> Lt.-Col. Bruce F. Campbell, Drummond Bldg., Montreal.	<b>PRINCE EDWARD ISLAND:</b> Soldier Settlement Board, Riley Bldg., Charlottetown.
<b>NEW BRUNSWICK:</b> Mr. Wm. Kerr, Post Office Bldg., St. John.	

**SOLDIER SETTLEMENT BOARD, Canada.**

## Cairnbrogie Clydesdales STILL TO THE FORE

Imported and home-bred stallions and mares of the highest quality and individuality. Our record at the leading shows of America surpass all competitors, and we are offering for sale males and females of all ages, and should be pleased to hear from prospective buyers of quality Clydesdales at any time.

For prices and full particulars, write:  
**GRAHAM BROS., (Cairnbrogie,) Claremont, Ont.**  
Long-distance 'phone. Station, C. P. R.

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when kept in prime condition with the proper kind of diet. A tablespoonful of

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mixed with the feed, sharpens the appetite, improves digestion, keeps the blood cool, bowels regular, coat glossy, health and vigor at top notch all the time. Horses get more nourishment out of their feed. You get more work out of your horses.

Give "Pratt's" to all your horses, cows, hogs and sheep, and watch the results.

At your dealer's in pkgs., 25-lb. pails and 100-lb. bags. Money Back If Not Satisfied.

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Is offering 7 Percheron Stallions for sale. Among them is Chicago and Guelph winners. Also 9 Clydesdale Stallions made up of Guelph and Toronto winners. The above lot of horses are in the pink of condition, and must be sold by May 1. Prices and terms second to no firm in Canada. Now is the time, or a snap.

## New Importation Just Arrived

Over 30 head Percheron and Belgian Stallions and Fillies. Best of individuals; best of pedigrees. We want to sell the entire lot so no reasonable offer will be refused. Easy terms.

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Two hours run East of Ottawa on C.P.R. and C.N.R.