

The Battle of Gettysburg

In this, the most terrible engagement of the Civil War, out of each 1,000 engaged 55 were killed. And this is exactly the number of those now in good health aged 49 who will die before reaching 88.

In the battle of Shiloh, of each 1,000 combatants 42 were killed, which is the number of those now in good health aged 30 who will die before they reach 55.

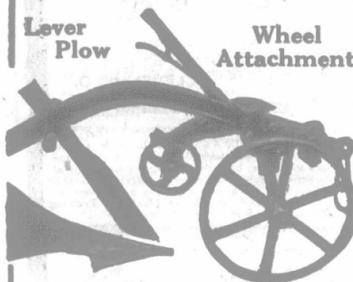
Therefore, those who fight the everyday battle of life should seek protection for their families just as earnestly as those who fight the battles of their country. We issue insurance on all approved plans.

THE MUTUAL LIFE ASSURANCE COMPANY OF CANADA
WATERLOO, ONTARIO

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THE DICK

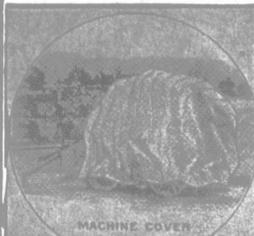
Lever Plow Wheel Attachment



will fit all makes of single walking plows. Any boy that can drive a team is capable with this Attachment of doing as good work as the best plowman. Write for full particulars and illustrated catalogue.

DICK AGRICULTURAL WORKS
Bolton, Ontario

Threshermen and Farmers



A good Canvas Cover will protect your Machinery and save its cost in one season.

12 x 18, 10 ft. first class duck, \$7.75—other sizes proportionately cheap.

WINDSOR SUPPLY CO., WINDSOR, ONT.
Belting, Hose, Rope, Pipe Fittings, Tanks and Pumps.
Write for catalogue "Engineers' Bargains."

The Glengore Angus

Some choice bulls from 7 to 15 months for sale. For particulars write

GEO. DAVIS & SONS
R. R. No. 1 Erin, Ontario

Angus Cattle

FOR SALE—If you want something good

ABERDEEN FARM
J. W. Burt, Prop. Hillsburg, R.R. No. 1

1854 "MAPLE LODGE STOCK FARM" 1915

Shorthorns and Leicesters. We have for sale one Shearling Ram sired by Connaught Royal (imp.). Also 10 ram lambs and a few ewe lambs of good quality and choice bred.

MISS. C. SMITH, Clondeboye R.R. No. 1
Long distance Phone. Farm one mile west of Lucan Crossing.

Spring Valley Shorthorns

Herd headed by the two great breeding bulls Newton Royal (imp.) 73783, and Nonpareil Royal 54122. Can supply a few of either sex.

KYLE BROS., DRUMBO, ONTARIO
Telephone Telegraph 474 Ave

Please mention "The Farmer's Advocate."

considerable amount of winter wheat throughout Ontario became sprouted before it could be harvested. Information regarding the value of sprouted wheat for seed purposes is important. In each of two years when winter wheat was sprouted in the field, germination tests of the grain were made. The following results show the average percentages of germination from each selection: skin over germ, unbroken, 94; skin over germ, broken, 76; sprouts one-quarter inch long, 30; and sprouts one inch long, 18. Not only were the sprouted seeds low in germination but the plants produced were very uneven in size.

RESULTS OF CO-OPERATIVE EXPERIMENTS.

Three hundred and eighty-eight farmers throughout Ontario conducted experiments with autumn-sown crops during the past year. Reports have been received from thirty-seven counties and districts throughout Ontario. Those sending the greatest number of reports were Nipissing, Simcoe, Ontario, Hastings, Huron and Parry Sound. The greatest number of good reports were furnished by Simcoe, Ontario, Welland, Lambton, and Haliburton.

Five varieties of winter wheat were distributed last autumn to those farmers who wished to test some of the leading varieties on their own farms. The average results of the carefully conducted co-operative experiments with these five varieties showed the following yields per acre: Imperial Amber, 35.8 bushels; American Banner, 32.5 bushels; Banatka, 30.3 bushels; Crimean Red, 27.1 bushels; and Yaroslaf, 28.8 bushels.

In another co-operative experiment the Petkus winter rye surpassed the Imperial Amber winter wheat by an average of 380 pounds per acre.

The co-operative experiments with hairy vetches and winter rye for fodder production showed that the yields in tons of green crop per acre were as follows: hairy vetches 11.1 in 1915, and 11.4 in the average of four years; and winter rye 8.7 in 1915, and 8 in the average of four years.

DISTRIBUTION OF MATERIAL FOR EXPERIMENTS IN 1915.

As long as the supply lasts, material will be distributed free of charge in the order in which the applications are received from Ontario farmers wishing to experiment and to report the results of any one of the following tests: 1, three varieties of winter wheat; 2, one variety of winter rye and one of winter wheat; 3, spring applications of five fertilizers with winter wheat; 4, autumn and spring applications of nitrate of soda and common salt with winter wheat; 5, winter emmer and winter barley; 6, hairy vetches and winter rye as fodder crops. The size of each plot is to be one rod wide by two rods long. Fertilizers will be sent by express for Number 4 this autumn and for Number 3 next spring. All seed will be sent by mail except that for Number 4, which will accompany the fertilizers.

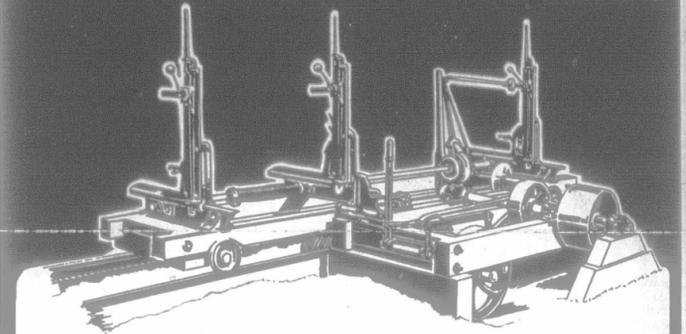
C. A. ZAVITZ.

Gossip.

A NEW IMPORTATION OF SHORTHORNS.

J. A. & H. M. Pettit, of Freeman, Ont., sons of the late W. G. Pettit, whose fame as an importer and breeder of high-class Scotch Shorthorns was continental wide, intend keeping the name "Pettit" prominently before the breeders of Canada as a name synonymous with the highest standard of excellence reached in the breeding of Scotch Shorthorns. In addition to the large and high-class herds at present on both the farms, the Pettit Bros. expect to land in this country about the first of October a specially-selected importation of not less than thirty head, selected for individual merit and richness of breeding. Of this lot a dozen will be young bulls, the balance will all be in calf or have calves at foot. Full particulars will appear in these columns on their arrival. In the present eruptive state of affairs in the Old Country, and the danger in transportation, it certainly requires a little more than the ordinary amount of courage to risk so valuable a shipment of Shorthorns, and it is to be hoped they may be landed safely, as a change of Shorthorn blood is needed in Canada just now.

WATEROUS PORTABLE SAWMILLS



If the trees on your farm are first quality timber, why cut them on a mill that will lower their market value? The Waterous Portable Outfit will cut your trees into lumber that is as fine as that turned out by any custom mill. Hundreds of users, who didn't know any more about timber sawing than you do, are proving that every season. The secret is that the Waterous Portable Mill is built just a little better than is necessary to do portable work—it has special fittings found

only on higher priced mills, that help you cut your logs as they should be. What is more, the Waterous Portable is dead easy to set up, simple to operate, and is built so strong that it will keep on cutting first-class lumber year after year without trouble. The profit in your trees, and in your neighbors' is worth your investment in this reasonably priced, high-grade mill. Quality counts every time—and especially in lumber making, with prices as high as they are now.

Send us a card to-day for our Portable Sawmill Catalogue

The Waterous Engine Works Co., Ltd., Brantford, Canada

Shorthorns of Show Ring Quality

We have this year the best lot of young bulls we ever bred from the famous sire, Mildreds Royal, Sr. Calves, Matchless and Emmilines, they are all of show ring Calibre. Look them up at Toronto show.

GEO. GIER & SON, Waldemar P. O. & Station, R. M. D.

FLETCHER'S SHORTHORNS

Young bull for sale, Roan Sailor (=100457=). A choice dark roan, 15 months old. Roan Lady bull from imported dam. Our shorthorn herd, imported or direct from imported stock consisting of Orange Blossoms, Duchess of Glosters, Matchless Clementines, Missies, Mysies, Butterflies, etc., is headed by the choicely bred show bull, Victor Stamford =95959=. Both Victor Stamford and Roan Sailor may be seen at Toronto Exhibition.

GEO. D. FLETCHER R. R. No. 1, ERIN, ONT.
L. D. PHONE ERIN STATION, C.P.R.

The Auld Herd

SHORTHORNS—We are making an exhibit at Toronto and London on their return from the Western Fairs. Breeders should see our cattle as we are offering several young bulls of OUR OWN BREEDING for sale.
A. F. & G. AULD, R. R. No. 2, GUELPH, ONT.

Maple Grange Shorthorns

Pure Scotch and Scotch-topped—Booth. Also five (5) young bulls from ten to twenty months old, of the low down, thick kind, good colors—reds and roans. Prices reasonable.

R. J. DOYLE, Owen Sound, Ontario

Northlynd R. O. P. Shorthorns and Jerseys

For Sale—Our noted sire of big milkers, St. Clair =84578= a Clara-bred son of Waverley. Several of his sons out of R.O.P. dams; also Shorthorns and Jersey females. Official records in our specialty.

G. A. JACKSON, DOWNSVIEW P. O., ONTARIO, WESTON STATION.

Shorthorns

Pure Scotch and Scotch topped—Booth. Also five (5) young bulls from ten to twenty months old, of the low down, thick kind, good colors—reds and roans. Prices reasonable.

G. E. MORDEN & SON, Oakville, Ontario

Meadow Lawn Shorthorns

Five Scotch bulls, 16 months old, from good milking dams. Low-set, thick, deep, well formed, growthy fellows, showing breeding, quality and scale. You are invited to inspect this offering. Bell Telephone.

F. W. EWING, ELORA, R. R. No. 1
G. T. R. and C. P. R.

Willow Bank Stock Farm

Shorthorns and Leicester Sheep. The imported Cruickshank Butterfly Roan Chief =60865= heads the herd. Young stock of both sexes to offer. Also an extra good lot of Leicester sheep of either sex; some from imported sires and dams.

James Douglas, Caledonia, Ont.

Shorthorn Cattle and Lincoln Sheep

Established 50 years our herd was never so strong as now, of strictly high class quality and breeding we have young cows in calf, heifers all ages, high class young bulls, show animals a specialty. Lincoln sheep, ram and ewe lambs of highest quality.

JOHN GARDHOUSE & SONS, Weston, Ontario

SHORTHORNS AND SHROPSHIRE

FOR SALE:—Three young bulls fit for service—One well-bred Duchess of Gloster. Two sired by Sittytown Victor (imported) =50093=, your choice for \$160. 10 shearing ewes, 2 shearing rams, 20 ram lambs and a few ewe lambs. Come and see these before choosing.

WM. D. DYER, R.R. No. 3, Oshawa, Brooklin, G. T. R.; Myrtle, C.P.R.

Shorthorns and Clydesdales

Bulls of serviceable age all sold; have some good ones a year old in September, and am offering females of all ages. Have a choice lot of heifers bred to Clansman =87809=. Also four choice fillies, all from imported stock.

L.-D. Phone A. B. & T. W. DOUGLAS, Strathroy, Ontario

IRVINEDALE SHORTHORNS

Bulls and heifers of the very best quality. Sired by Gainford Select (One of the great sons of the celebrated Gainford Marquis).

JOHN WATT & SON, R. R. No. 3, Elora, Ont.