

There's no use crying over lost milk

If you had had an Ideal Green Feed Silo this last winter, your cows would have given 25 per cent more milk and your feed bills would have been 20 per cent less, in the bargain.

From this you can figure how much bigger your profits would have been, with milk at such high prices.

You can't remedy your oversight now, but you can prepare now to get all the milk you are entitled to, next winter.

NOW is the time to install an IDEAL GREEN FEED SILO

Summer will soon be here, and the first thing you know another winter will come around and you'll have no silo.

Write today for our catalogue, which not only shows why the Ideal is the best silo you can buy, but contains much valuable information about silos and silage.

THE DE LAVAL CO., Ltd. LARGEST MANUFACTURERS OF DAIRY SUPPLIES IN CANADA

Sole manufacturers in Canada of the famous De Laval Cream Separators and Ideal Green Feed Silos. Alpha Gas Engines, Alpha Churns and Butterworkers. Catalogue of any of our lines mailed upon request.
MONTREAL PETERBORO WINNIPEG
VANCOUVER
50,000 BRANCHES AND LOCAL AGENCIES THE WORLD OVER



Help Your Seed Make a Big Crop

LARGER crops and a better grade of grain are bound to follow careful cultivation of the seed-bed. Seed in properly cultivated soil always has the advantage under all weather conditions. Give the crop a right start and prepare the seed-bed properly with a

Peter Hamilton Spring Tooth Cultivator

Each tooth in the three rows can be set to cultivate exactly to the same depth and stay there under the severest conditions of work. This is only possible with the Peter Hamilton Cultivator and is because the front rows and back rows of teeth are attached to independent sections.

The sections and frame are extraordinarily strong and rigid and the hardest kind of ground is worked up with ease.

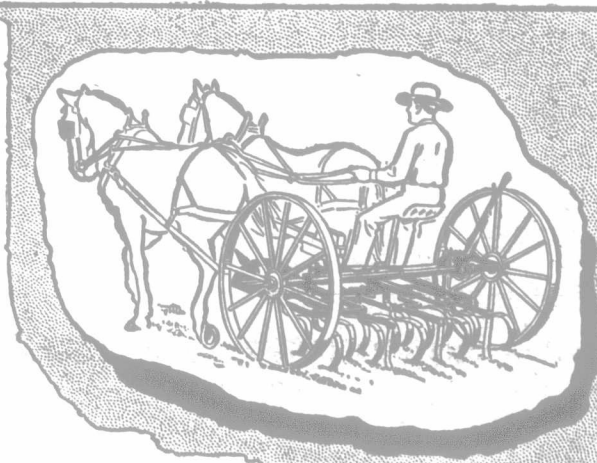
The exceedingly strong construction of the Peter Hamilton Spring Tooth Cultivator and the many adjustments that can be made gives a most reliable implement for use on the average farm. It works up the soil quickly to a smooth, mellow seed-bed just in the right condition for good seeding.

For exterminating weeds this cultivator is essential, and for this purpose extra wide steels can be provided to be used in place of the reversible points.

The High wheels, wide tires and perfect balance help to make this cultivator a pleasure to operate.

Write now for further information.

The Peter Hamilton Co., Ltd.
Peterboro, Ontario



The Grain-Saving Stacker

"I found the following saving with the Grain-Saving Stacker: Wheat, 10 bu. to every 1000 bu. threshed; oats, 25 bu. to the 1000; barley, 15 bu. to the 1000." Report of F. L. Kennard, Agronomist, University of Minnesota.

The Grain-Saving Stacker is the ordinary gearless wind stacker with the most important improvement since wind stacking came into use. The device in the hopper saves the grain which otherwise goes to the stack and is wasted. It has saved many thousands of bushels—an enormous gain, at prevailing prices. Under even average conditions it will

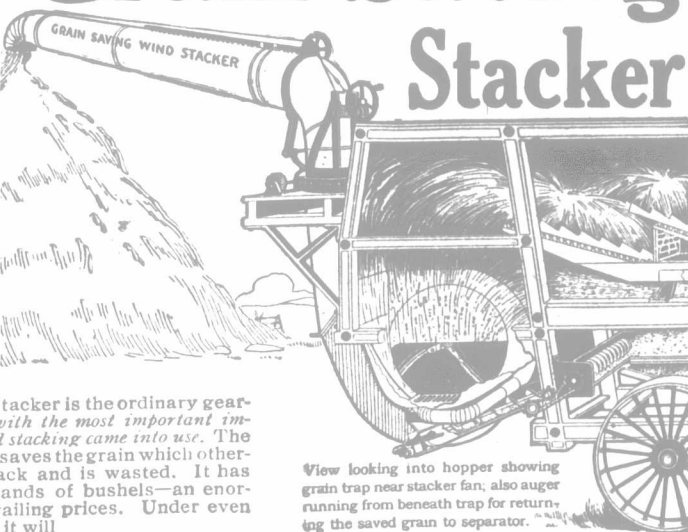
Save Enough Grain to Pay the Threshing Bill
The manufacturers of America's standard threshing machines named below are prepared to furnish machines equipped with the Grain-Saving Stacker. Full information will be given you by any in this list, many of whom you will recognize as the manufacturers of the best-known tractors and farm implements. Write any of these for descriptive circular.

LIST OF MANUFACTURERS

Canada
Robt. Bell Engine & Thresher Co., Ltd., Seaforth, Ont.
Dominion Thresher Co., Ltd., New Hamburg, Ont.
Ernst Bros. Co., Ltd., Mt. Forest, Ontario
John Goodison Thresher Co., Ltd., Sarnia, Ont.
Hergott Bros., Ltd., Mildmay, Ontario
MacDonald Thresher Co., Ltd., Stratford, Ont.
Sawyer-Massey Co., Ltd., Hamilton, Ont.
Stewart Sheaf Loader Co., Ltd., Winnipeg, Man.
Sussex Mfg. Co., Ltd., Sussex, New Brunswick.
Waterloo Mfg. Co., Ltd., Waterloo, Ont.
R. Watt Machine Works, Ridgeway, Ont.
George White & Sons Co., Ltd., London, Ont.

United States
Aultman & Taylor Machinery Co., Mansfield, O.
Avery Co., Peoria, Ill.
A. D. Baker Co., Swanton, O.
Banting Manufacturing Co., Batavia, N. Y.
Buffalo Pitts Co., Buffalo, N. Y.

The Grain-Saving Device Originated with The Indiana Manufacturing Co., Indianapolis, Ind., Who Also Originated the Wind Stacker



View looking into hopper showing grain trap near stacker fan; also auger running from beneath trap for returning the saved grain to separator.

permanent grass, adding temporary to permanent grass the Englishman had 69 against the German's 32 acres. On the other hand, when we come to white straw crops, the Englishman had 19½ acres of corn on his 100-acre farm, the German 46, and while the Englishman grew 1½ acres of potatoes the German grew 10½. But the real significance of these figures cannot be appreciated until we answer this further question—What is the value of the crops grown? Now here we must distinguish between the money value and the food value. Our customary method is to value in terms of pounds shillings and pence the yield per acre of land, but we cannot live upon cash, and

Cropping of Cultivated Land in England and Wales and in Germany.

Crop	England and Wales Average of 1905-14	Germany, 1913
	Per cent.	Per cent.
Permanent grass for hay.....	17.55	18.00
Permanent grass for pasture.....	40.83	3.23
Rotation grasses and clovers—		
Hay.....	6.40	7.57
Pasture.....	3.68	7.57
Green fodders, vetches, maize, etc.,	.58	3.39
Total grasses, clovers, etc.,	69.04	32.19
Cereal crops.....	19.50	45.97
Beans and peas.....	1.66	1.58
Potatoes.....	1.59	10.44
Root crops, cabbages, and rape	6.24	4.66
Gardens, fruit and vineyards.....	.44	2.51
Miscellaneous Crops	.37	.35
Fallow.....	1.16	2.30
Total.....	100.00	100.00

for nations compelled to feed themselves,

as in this country, much controversy as to the merits of rival policies. The policy which prevailed was thus stated by German economists:—Germany must "keep under the protection of her guns the ground upon which her corn grows and her cattle graze." Translated into practice this meant that before the War, about nine-tenths of the food of Germany was home produced, and that during the War, as the production of her own soils has inevitably fallen off, one guiding principle in her strategy has been to occupy the most productive territory within reach.

As an illustration of the effects on a national scale of an agricultural and a food-production policy, we may, therefore, contrast the systems of Britain and Germany. I may do so conveniently by referring to some figures from a pamphlet I wrote on German Agriculture in 1916.

On each 100 acres of cultivated land before the War—

(1) The British farmer fed from 45 to 50 persons, the German farmer fed from 70 to 75 persons.

(2) The British farmer grew 15 tons of corn, the German farmer grew 33 tons.

(4) The British farmer produced 4 tons of meat, the German farmer produced 4½ tons.

(5) The British farmer produced 17½ tons of milk, the German farmer produced 28 tons.

(6) The British farmer produced a negligible quantity of sugar, the German farmer produced 2¾ tons.

The reason why Germany produced so much more food was not that the yield per acre of her crops was greater—they were in most cases less—but that while most of the land of Britain is under grass, most of the land of Germany is under the plow.

The figures below contrast the cropping of the cultivated land of England and Wales and of Germany before the War.

What were the outstanding features of the English and German farms? On each 100 acres of land it will be seen that whereas the Englishman had 58 acres, the German had only 21 acres of per-



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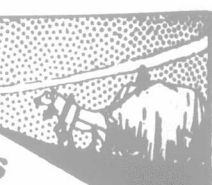


RAKE

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