

*—the genuine*



**McQUAY-NORRIS LEAK-PROOF PISTON RINGS**

**will help your motors**

They have proved it by their service on many thousands of farms in the last ten years.

Time has established the "Leak-Proof" principle of insuring power and compression. McQuay-Norris Leak-Proof Rings are the only piston rings of their kind. There is no such thing as a "Leak-Proof type" of piston ring. Their design is exclusively their own.

These tried and true rings will help tractors, automobiles, trucks and stationary engines develop more power, save fuel and decrease carbon.

They are made in every size and over-size to fit every make and model of any kind of gasoline engine. Your dealer has proper sizes and over-sizes or can get them promptly from his jobber's complete stock.

**To Control Excess Oil**  
A special ring for motors that pump oil. Use in top grooves of each piston. In the lower grooves use McQuay-Norris Leak-Proof Piston Rings for complete compression—power.

**Write for this Booklet** →

"To Have and to Hold Power," which clearly explains piston rings and their connection with motor power and economy. Address Dept.

**W. H. BANFIELD & SONS, LIMITED**  
124 Adelaide St., West, Toronto

## LISTER PREMIER CREAM SEPARATOR

YOU have always had the highest opinion of the thoroughness and reliability of machines made up to the high British standard, and rightly so.

The Lister Premier Cream Separator helped to build the world-wide reputation. One trial will convince you that for clean skimming, easy cleaning and easy running it has no equal. No working parts are exposed to dust. It is the simplest machine made—can be taken apart and reassembled in a few minutes.

Skim-milk delivery is up high enough to permit of large can being used. Discs are aluminum and never can rust. They go on in any order. This saves time and bother. All revolving parts run in oil ensuring continuous easy-running and cleanliness.

See our agent in your town, or write direct for full particulars.

Lister Engines and Grinders—Lister Silos and Silo Fillers—Avery Tractors

**R. A. Lister & Company (Canada) Limited**  
58-60 Stewart St., TORONTO



## Certified Seed Potatoes.

(Experimental Farms Note).

This term is applied to potatoes which have passed two inspections made by inspectors of the Division of Botany, Experimental Farms Branch, Department of Agriculture. These inspections are made (1) of the growing plants during the blossoming period, and (2) at the time the tubers are dug, or after they have been placed in storage.

While purity of variety is given due consideration in determining the claims of a crop to certification, the prime object of this work is the absence and, incidentally, the control of disease, particularly of constitutional diseases such as Leaf Roll and Mosaic, which have proven to be responsible for a serious reduction in yields in many parts of the country. As the only possibility of distinguishing the presence of these diseases lies in the inspection of the growing plants, it is obvious that in order to ascertain the presence of, or freedom from, Leaf Roll or Mosaic in any crop, inspection must of necessity commence in the growing season and preferably during the blossoming period as it is at this time a matter of small difficulty to distinguish any impurity of variety. Thus the twofold object is attained.

At the conclusion of the inspection of a field of potatoes, the inspector hands to the grower a record showing the exact condition of his crop. Should the field be found to measure up to the required standard, the grower is again visited, at or after harvest time and an inspection made of the tubers to ascertain to what extent, if any, diseases such as Common Scab, Rhizoctonia, etc., are present. Should this final inspection prove satisfactory, the potatoes are graded as either No. 1 or No. 2 Grade Seed Potatoes, and a sufficient number of tags to cover the number of bags or other containers necessary for the shipping of the amount of potatoes inspected, are issued by the inspector. These tags certify that the contents of the bags or other containers to which they are attached, have been grown by the person whose name appears on the tags; that they have been inspected by an officer of the Dominion Department of Agriculture and found to be sufficiently vigorous and free from serious diseases, other pests and foreign varieties to warrant them being classed as No. 1 (or No. 2) Grade Seed Potatoes.

On the other hand, if a field fails in the field inspection to measure up to the required standard owing to the presence of a larger percentage of diseases or impure varieties than is allowed, it is given no further consideration; the grower being advised to change his seed and to procure for this change, seed potatoes from some grower whose stock has satisfactorily passed both field and tuber inspection.

This work is being carried on at present chiefly in Northern Ontario, in parts of New Brunswick, Quebec, Nova Scotia and Prince Edward Island. It is proving of value to the grower in that it frequently reveals to him the loss which he is incurring by the use of diseased seed, and is also a means of putting him in touch with the grower from whom it would be advisable to obtain a supply of "Certified Seed Potatoes" as outlined above.

EDITOR "THE FARMER'S ADVOCATE":

I hope others find "The Farmer's Advocate" as valuable as I have for the past fifteen years. I owe most of my success in farming to it. As so many of your subscribers say, it certainly is worth more than twice its price. The Christmas Number was the best I have ever seen.

Halton Co., Ont. WM. J. TAYLOR.

Jazz.—Mr. Hopper (rising from table).—"Shall we dance this fox-trot, Miss Flopper?"

Miss Flopper.—"That wasn't the orchestra starting up—one of the waiters just dropt a tray of dishes."—Life.

It was a New England parson who announced to his congregation one Sunday: "You'll be sorry to hear that the little church of Jonesville is once more tossed upon the waves, a sheep without a shepherd."—Exchange.

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