



THE LARGEST LINE OF GRINDERS IN CANADA

In sizes to suit **any power**. These cuts show **three classes**.

549, for use on the **Farm**. Three sizes.

550, **Farm** use or **Custom** work (stationary or for moving from place to place).

551, **Attrition Mills** for Elevators, **Custom Mills**, etc. Finest work and greatest capacity. We have just what you need in these "Rapid-Easy" Grinders—which do **more work with same power** than others. Information, circulars, etc., upon request.

J. FLEURY'S SONS, Aurora, Ontario, Can.

MEDALS AND DIPLOMAS: World's Fairs, Chicago and Paris.

THE ONTARIO PROVINCIAL WINTER FAIR

WILL BE HELD AT

GUELPH, ONT., DECEMBER 6TH TO 10TH, 1909

THERE WILL BE A SPLENDID SHOW OF

HORSES, CATTLE, SHEEP, SWINE, POULTRY, SEED GRAIN.

Every facility is offered visitors to examine exhibits and to study the individual merits of each one. The new \$50,000.00 addition to the building, and the new department for **HORSES**, will make the greatest educational fair.

LARGER AND BETTER THAN EVER.

An attractive **PROGRAMME OF LECTURES** has been prepared. A special feature of the lectures will be a discussion of the proper type to be sought for in the breeding of all the leading breeds of live stock. Representative animals of the various breeds will be used for illustration purposes. Lectures will also be given on lessening the cost of **MILK PRODUCTION**, profitable poultry production, underdraining, and on a number of other timely subjects relating to live stock, poultry and seed grain.

SINGLE-FARE RATES ON ALL RAILWAYS.

For programme of lectures or other information apply to the Secretary.

LIEUT.-COL. R. McEWEEN, Pres.,
BYRON, ONT.

A. P. WESTERVELT, Sec'y,
TORONTO, ONT.



Steel Oven Heats Quicker-Saves Fuel

Make sure your new range has a steel oven, and "Pandora" name-plate on the door. Go, at once, to nearest McClary Agency and pick out size desired.

Pandora has a sheet steel oven, because steel is more sensitive to heat—absorbs it faster—than cast iron does. Pandora oven thus heats quicker—less time required to get oven ready for the baking—which also means less fuel-expense.

McClary's Pandora Range

Please Mention this Paper.

QUESTIONS AND ANSWERS. Miscellaneous.

TENANT REMOVING STRAW.

1. If A rents a farm from B, can he, A, remove clover straw off farm, it being the second crop, or cut second?
2. Can A take cattle home at night, through the winter, and bring them back in the morning to B to feed on straw all day, causing a waste of manure along road, also losing the manure made through the night, from 4 p. m. till, say, 8 a. m. next day; it also has a tendency to carry wild seeds.

Ontario. A SUBSCRIBER.

Ans.—1 and 2. For all that appears from the statement of facts, we should judge that he can lawfully do so.

BUILDING ICE HOUSE—FEEDING QUESTIONS.

1. Would you please publish plans and specifications for the building of an ice-house to contain 2,000 cubic feet of ice?
2. Please tell me the value, as regards feeding for milk production, of three tons of mangels, as compared with one ton of bran?
3. What is the value of gluten-meal as compared with bran, for milk production?

MRS. W. E. H.

Ans.—1. It is well to have the block of stored ice as near the perfect cubic shape as possible, as melting goes on on every side, including top and bottom. For the quantity specified, 2,000 cubic feet, a block 13 feet square by 12 feet high, would be about right. Let the building be planned to measure 15 feet square, by 14 feet in height, inside measurement, to allow for a foot of sawdust on all sides. Board lining should be placed on the inside of timbers, which, if of cedar, may simply consist of posts planted in the ground and extending up to plates. A gable roof is suitable, the north end gable of which may be largely left unboarded up for the sake of good ventilation.

2. It is not easy to compare these feeds, for the reason that mangels derive a considerable part of their value from their succulence. They thus have a favorable effect upon appetite and digestion. Bran, though not succulent, also possesses these virtues in some degree. Comparing the two feeds on a basis of their dry matter, we find the following figures:

	Digestible protein.	Digestible carbohydrates.	Digestible ether extract or fat.
3 tons mangels	63.	612.	6.0
1 ton bran	244	784	54.

On a basis of actual food constituents contained, one ton of bran would be worth about three times as much as three tons of mangels, or nine times as much as one ton of mangels. If account were to be taken of the fertilizing constituents, the bran would have another correspondingly great advantage in that regard. Still, we would not care to pay nine times as much for a ton of bran as for a ton of mangels. The succulence of the latter is a strong point in their favor, and what elements of nutrition they do possess seem to serve the animals to better advantage than a similar quantity of the same constituents in dry feeds, also serving to keep up the tone of the system. Nevertheless, it should be understood that roots are not a very economical feed to use in large quantity. A peck to an animal does proportionately more good than a bushel.

2. Gluten-meal of first-class quality is much more valuable for milk production than bran, but, as different brands vary so much in composition, it is not safe to feed to invest in as, say, oil-cake meal. A good sample compares with bran as follows:

	Digestible protein.	Digestible carbohydrates.	Digestible ether extract or fat.
Gluten meal	25.8	43.3	11.
Bran	12.2	39.2	2.7

DR. WOOD'S NORWAY PINE SYRUP.

Is Specially Calculated To Cure All Diseases of the Throat and Lungs.

Coughs, Colds, Bronchitis, Sore Throat, Hoarseness, Croup, Pain or Tightness in the Chest; and all Bronchial Troubles yield quickly to the curative powers of this prince of pectoral remedies. It contains all the virtues of the world famous Norway pine tree, combined with Wild Cherry Bark, and the soothing, healing and expectorant properties of other excellent herbs and barks.

Nasty
Hacking
Cough.
Cured.

Mrs. John Peleh, Windsor, Ontario, writes:—"I was troubled with a nasty hacking cough for the past six months and used a lot of different remedies but they did me no good. At last I was advised by a friend to try Dr. Wood's Norway Pine Syrup and with the first few doses I found great relief and to-day my hacking cough has entirely disappeared and I am never without Dr. Wood's Norway Pine Syrup in the house."

The price of Dr. Wood's Norway Pine Syrup is 25 cents per bottle. It is put up in a yellow wrapper, three pine trees the trade mark, so be sure and accept none of the many substitutes of the original "Norway Pine Syrup."

Manufactured only by The T. Milburn Co., Limited, Toronto, Ont.



Synopsis of Canadian North-west Land Regulations.

ANY person who is the sole head of a family, or any male over 18 years old, may homestead a quarter-section of available Dominion land in Manitoba, Saskatchewan or Alberta. The applicant must appear in person at the Dominion Lands Agency or Sub-Agency for the district. Entry by proxy may be made at any agency, on certain conditions, by father, mother, son, daughter, brother or sister of intending homesteader.

Duties—Six months' residence upon and cultivation of the land in each of three years. A homesteader may live within nine miles of his homestead on a farm of at least 80 acres, solely owned and occupied by him, or by his father, mother, son, daughter, brother or sister. In certain districts a homesteader in good standing, may pre-empt a quarter-section alongside his homestead. Price, \$3.00 per acre. Duties—Must reside six months in each of six years from date of homestead entry (including the time required to earn homestead patent) and cultivate fifty acres extra.

A homesteader who has exhausted his homestead right, and cannot obtain a pre-emption, may take a purchased homestead in certain districts. Price, \$3.00 per acre. Duties—Must reside six months in each of three years, cultivate fifty acres, and erect a house worth \$300.00.

Deputy of the Minister of the Interior. N.B.—Unauthorized publication of this advertisement will not be paid for.

PILES CURED at HOME by New Absorption Method.

If you suffer from bleeding, itching, blind or protruding Piles, send me your address, and I will tell you how to cure yourself at home by the absorption treatment; and will also send some of this home treatment free for trial, with references from your own locality if requested. Immediate relief and permanent cure assured. Send no money, but tell others of this offer. Write to-day to Mrs. M. Summers, Box 821 Windsor, Ont.

SECURE ONE OF OUR PREMIUMS.