

951 FIRE-PROOF CHAMPION ENGINES

BUILT SINCE 1877.



AS A TRACTION ENGINE

The Champion is Unequaled.

D. T. BEDFORD writes from Raglan, 27th Dec., 1883.—"I have had time to test the traction engine you sent me. I have run it over some very bad hills, where it would give two horses all they wanted to take a portable engine. I started from the station, attaching a wagon with 2300 lbs. of coal and two barrels of water. I had no bother to draw it up any of the hills between Oshawa and Raglan. The steering rig is complete; can run over narrow and slippery roads, in fact for a bad place I would rather run by hand than with horses. I can stop and back up (if wanted) going down a steep hill; can run through a foot of snow, and have done it up steep hills. I have moved a mile with a boiler full of water and fire-box of wood and had plenty, and this was over bad roads. I can run my big Climax Separator from daylight till dark on ten barrels of water, and a great deal less wood than I ever could with the 12 h. p. The 16 h. p. is just the thing to thresh with, sets stiller without a clamp than the 12 h. p. did with clamps, and it ran so easy you could hardly tell whether they were feeding or not. I might write two or three sheets of my exploits with the traction, but have not time. Everybody is pleased with it, and I am more than pleased."

WATEROUS ENGINE WORKS CO., BRANTFORD, CANADA.

See Our Straw Burner for 1884. It is a pronounced success. Full supply of Engines, repairs and settlers' outfits kept by our branch Foundry and Machine Shop in Winnipeg.

WATEROUS ENGINE WORKS CO., BRANTFORD, CANADA

The IMPROVED DANISH MILK SEPARATOR of Burmeister & Wain

which was awarded two gold medals (one in class A, separators for two horses, and the other in class B, or separators for one horse) at the Alborg Centrifugal Milk Separator competition, and also a silver medal at the last St. John, N. B., exhibition. The large size, A machine, requires 1 1/2 horse-power to run it, and will skim 1,200 pounds of milk per hour. The B size requires 0.88 horse-power and will skim 700 pounds per hour. A summing up of the result of the Aalborg and Vesterung competition may be described as follows:—1st, With the same completeness of skimming and the same quantity of milk worked per hour, DeLaval's separator requires one-third more power. 2nd, With the same completeness of skimming and the same consumption of power, Burmeister & Wain's small (B) separator skims one-third more milk than DeLaval's. 3rd, With the same quantity of milk worked per hour and the same consumption of power, DeLaval's leaves 64 to 65 per cent. more fat in the skim milk. The same report shows that Burmeister & Wain's large size separator requires 1.50 horse-power. Table showing the relative maximum capacity of the Burmeister & Wain and the DeLaval milk separators, and the amount of motive power required to drive them.

J. N. FJORD'S TABLE.

	Capacity.	Completeness of skimming.	Speed.	Motive power required.
	Pounds per hour	Fat left in the skim milk.	Revolutions per minute.	Horse-power.
Laval Separator	700 lbs.	0.29	7,000	1.20
Burmeister & Wain (small size)	700 lbs.	0.30	3,000	0.88
Burmeister & Wain (large size)	1,200 lbs.	0.25	2,000	1.50

221-c Particulars sent free by addressing U. C. PETERSEN & Co., P. O. Box 1379, Montreal.

\$100 to \$5000
Paid on Marriage by Mutual Marriage Aid Association.
Has Paid in Benefits to its Members over \$100,000.



Business done in 1883 Exceeds over Two Million Dollars.

This is the only Company in Canada that gives an absolute guarantee as to the cost. Its advantages are low cost of carrying certificate, large membership, the oldest and strongest Company in existence and UNDOUBTED SECURITY. Write for information.
Agents Wanted. W. B. WEBBER, Secretary, Hamilton, Ont.

Notice.

The attention of our readers is drawn to the advertisement of the Knabe piano on page 149. These pianos have a high reputation.

The Grand Dominion and 39th Provincial Exhibition will be held in the City of Ottawa, from the 22nd to the 27th of September next. The second Provincial Fat Stock Show will be held in Guelph, in the third week of December next.

I find the FARMER'S ADVOCATE a very practical, common-sense paper, suitable and useful to prairie farmers. R. J. B., N. W. T.

I am taking the Rural New Yorker. Several copies of it have been received, and while I do not say it is not worth the price paid, yet my conviction is that the ADVOCATE contains more reading matter of interest and benefit to the farmer. H. M., Jr., Paris, Ont.

Commercial.

THE FARMER'S ADVOCATE OFFICE, London, Ont., April 30, 1884.

WHEAT.

English quotations were up a penny on all sorts of wheat to-day, with markets strong. Montreal quiet and States markets showing little change. A cable despatch from the Secretary of the London Corn Exchange reports enormous stocks of wheat, barley and corn in the London waterside granaries. Of wheat there are 454,000 quarters more than last year. This shows that the stocks in London and Liverpool exceed those of last year at this time by over 5,000,000 bushels, a great portion of which is said to be held by firms who bought it at considerably higher prices than can now be realized. The Toronto market was inactive all over. Wheat was scarce and firm, with No. 1 spring worth \$1.12, and No. 2 about \$1.10; fall steady, a round lot of No. 2 lying outside sold yesterday at equal to \$1.11 here, which was probably the value to-day, with No 3 worth \$1.08 to \$1.09.

FLOUR.

It is hardly too strong a term to use to say that the flour trade amounts to stagnation. Prices nominally unchanged; holders steady and not inclined to accept bids for superior extra and extra.

OATS.

quiet and unchanged at 37 1/2 to 38c., but no sales reported to-day.

BARLEY.

scarce and wanted; No. 1 worth 82c.; No. 2 from 76 to 77c.; extra No. 3 from 71 to 72c., and No. 3 from 62 to 66c., but no movement reported.

PEAS.

quiet and unchanged.

POTATOES.

sold at 68c. for good, and at 60c. for small on track.

BUTTER.

steady at 19 to 21c. for really choice; new rolls steady and in good demand, about 18c.

EGGS.

unchanged, with all offered taken in round lot at 15c.

(Continued on Page 154.)