

H. L. FAIRBROTHER & CO., PAWTUCKET, R.I.

RESULTS OF EXPERIMENTS

TO ASCERTAIN THE TENSILE STRENGTH AND RATES OF EXTENSION OF LEATHER BELTING. TESTS MADE BY MR. DAVID KIRKALDY, GOVERNMENT TESTER, LONDON, ENGLAND, NOVEMBER 19, 1881.

The Leather from which this Belting is made is tanned specially for the purpose, and retains the natural thickness of the hide. Being **absolutely pure Leather**, it is warranted not to stretch, and also to run straighter and wear longer than any other Belting made. The tests made both in this country and Europe show it to be **Stronger than any other Leather Belting** manufactured, while its appearance is also more attractive.

Description.	Dimen- sions.	Area.	Ultimate Stress		Stress per inch in width. Extension in 25 inches.				Date.
			Total.	Per Sq. Inch.	200	400	600	800	
	Inches.	Sq. In.	Lbs.	Lbs.	Pr. ct.	Pr. ct.	Pr. ct.	Pr. ct.	
Fairbrother's Belting	6 x 20	1.200	5789	4827	2.97	6.69	10.10	13.45	Nov. 19, 1881.
Chromate Tanned (Tanned in Glas- gow.)	6 x 25	1.516	5629	3608	6.48	11.28	16.84	21.92	Nov. 8, 1881.
Bark Tanned (Best Oak Tan'd Mr. Kirkaldy could find.)	6 x 19	1.140	3708	3252	5.80	9.52	13.64		Nov. 8, 1881.

WILL USERS OF LEATHER BELTING OBSERVE THE
FALLACY OF SHORT LAPS?

TESTS OF LAPS FROM LEATHER BELTING

—MADE BY—

H. L. FAIRBROTHER & Co.

THE THREE LAPS WERE FROM SAME BELT. TESTS MADE BY DAVID KIRKALDY, LONDON, NOVEMBER 19, 1881.

Description.	Length Inches.	Dimen- sions.	Area.	Ultimate Stress.		Remarks.
				Total	Per Sq.	
		Inches.	Sq. In.	Lbs.	Inch. Lbs.	
Belt 6 in. wide ..	Scarf joint, 18 in.	6 x .21	1.260	5981	4746	Broken on side and back of lap in whole leather.
Belt 6 in. wide ..	do. 15 in.	6 x .18	1.080	5468	5062	Broken in lap.
Belt 6 in. wide ..	do. 6 in.	6 x .18	1.080	4642	4298	Broken in lap.

WAREHOUSE - - - 65 Yonge St., Toronto.
GEO. F. HAWORTH, Agent.