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LEATHER BELTING



First Prize, Provincial Exhibition.....Ottawa, 1875
 First Prize, Provincial Exhibition..... Hamilton, 1876
 First Prize, Provincial Exhibition..... London, 1877
 First Prize, Industrial Exhibition..... Toronto, 1879
 First Prize, Industrial Exhibition..... Toronto, 1880
 International Medal, Centennial Ex.....Philadelphia, 1876



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WOOD IN PAPER.

An exchange complains of the use of wood pulp in paper-making and says that a reaction is now setting in, and that consumers are beginning to protest against so much wood. This reminds us of an amusing incident which came to our knowledge. It seems that the proprietor of a prominent newspaper had a strong prejudice against wood pulp, and he was unaware of the fact that the manufacturers who supplied him with paper had gradually introduced the objectionable material into their production until he was receiving a very considerable proportion of wood. There came a time, however, when the manufacturers found occasion to use more rag-stock and less wood pulp. The result was that the newspaper man demanded to know why his paper had deteriorated in quality. The manufacturer, being assured that every lot previous to the last had been satisfactory, kept his own counsel, and the result was that afterwards the journal was printed on paper containing a goodly percentage of wood in its composition and that no dissatisfaction resulted.

The fact is that a certain, and by no means small proportion, of wood in paper does not impair the value of the product, but gives it body and adapts it to receive the ink impression. Of course much depends on the way pulp is manufactured, and here a very marked advance has been made in recent years. Instead of chopping the wood into fine bits and destroying its fibre, the most approved processes now crush the wood in such a way as to preserve a strong fibre of sufficient length to felt well in the sheet. One of the most prominent dailies in the country, if not the most prominent, is printed on a paper composed of 75 per cent of poplar wood. We have seen paper containing 90 per cent of wood, which was by no means an inferior article, and we have seen the fly-leaves of costly books made from wood-paper, which the expert eye could not distinguish from rag-made material.

Among competent judges wood-pulp is not coming into ill-repute, but is growing in popularity; and it is well that this is so, for the ever increasing demand for paper has made a raw material cheaper than rag imperative. Every innovation on long established methods is viewed with apprehension by the conservative ones, and wood-pulp will naturally come in for its full share of abuse from those who know little of its true character and who are only too ready to attribute to it any defect in the product. Substitution is, nevertheless, the order of the day in manufactures.—*Lumberman's Gazette.*

The Endurance of Woods.

In tests made as to the durability of woods results have varied. Pieces of wood two and five-eighths inches square, buried one inch in the ground decayed in the following order: Linn, American birch and aspen in three years; willow and horsechestnut in four years; maple, red beech and birch in five years; elm, ash, hornbeam, Lombardy poplar in seven years; robinia, oak, Scotch fir, Weymouth pine and silver fir decayed to a depth of a half inch in seven years; larch, common juniper, Virginian juniper and arbor-vitæ were uninjured at the expiration of seven years.—*Northwestern Lumberman.*

As a cure for all diseases of the Lungs Down's Elixir has no equal.

The World's Iron Trade.

A critical estimate of the annual iron product of the world shows the yield to be close upon nineteen and a half million tons a year. Statistics for the more important countries are obtainable as late as 1881. For the others it is assumed that the yield has not fallen off since the latest figures reported. Under "other countries," in the table below, are included Canada, Switzerland, and Mexico, each producing about 7,500 tons a year, and Norway, 4,000 tons a year.

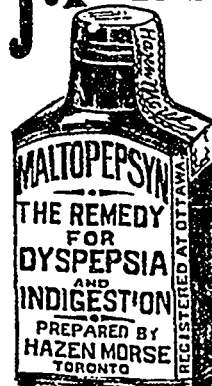
	Year.	Gross Tons.
Great Britain	1881	8,377,204
United States	1881	4,144,254
Germany	1881	2,863,400
France	1881	1,860,433
Belgium	1881	622,238
Austro-Hungary	1880	448,635
Sweden	1880	399,623
Luxemburg	1881	259,212
Russia	1881	231,341
Italy	1876	76,000
Spain	1873	73,000
Turkey	—	40,000
Japan	1877	10,000
All other countries	—	46,000

Total.....19,467,610

The first four countries produce 88 1/4 per cent of the world's iron supply; the first two 64 3/4 per cent; the first 43 per cent. The chief consumer is the United States, 29 per cent; next Great Britain, 23 1/2 per cent; these two using more than half of all.

A DRIVE of 9,000,000 feet of logs and 180,000 ties for the Northern Pacific railroad is about starting down the Yakima in Washington Territory. They were attached to satisfy a claim of \$50,000 by the government for stumpage, the timber having been cut on government lands. At last accounts the railroad had rebanded the logs, but the ties remained in the hands of the Sheriff.

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Artificial Gastric Juice.

A WONDERFUL FACT, proving the remarkable digestive power of Maltopepsyn.

Two doses (30 grains), of Maltopepsyn will digest the entire white of a hard boiled egg in a bottle of water, in from 3 to 4 hours. How much more will it digest in the stomach assisted by that organ? About twenty times the quantity.

Test this for yourselves.—It is an interesting and useful experiment.

Get from your druggist ten drops of Hydrochloric Acid in a four ounce bottle, fill bottle half full of tepid water (distilled water is best, though soft water will do), then add the finely cut white of a hard boiled egg, then add two doses (30 grains) of Maltopepsyn and shake bottle thoroughly every 15 or 20 minutes, keep the bottle warm, as near the temperature of the body (100° Fahrenheit) as possible, and in 3 to 4 hours the egg will be entirely dissolved or digested.

Maltopepsyn is endorsed by the leading Physicians and Chemists throughout the Dominion of Canada.

Send for Pamphlet, 24 pages, giving full treatment of Dyspepsia with the RULES of Diet, etc., mailed free upon application by HAZEN MORSE, TORONTO.

Price per bottle, with dose measure attached, 50 cents, contains 48 doses or about one cent per dose.

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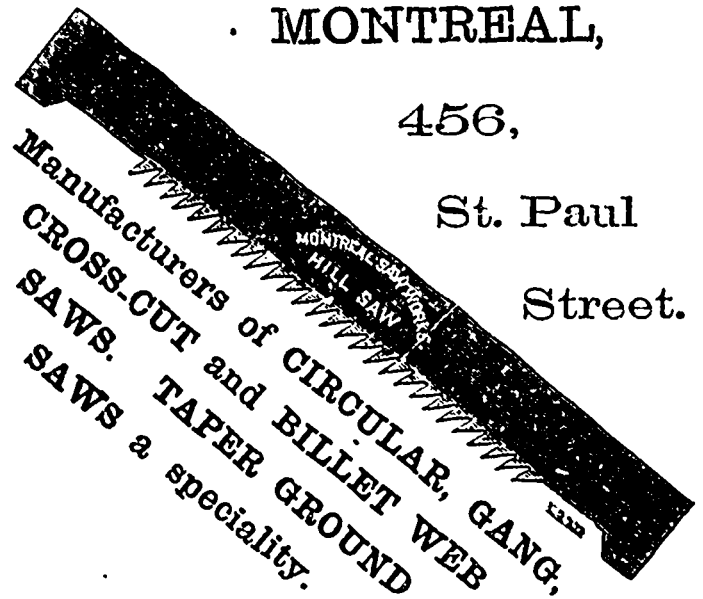
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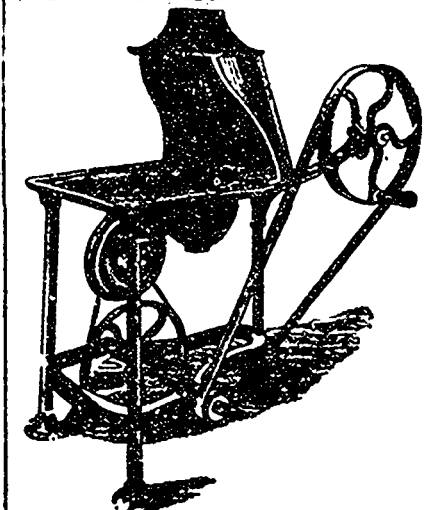
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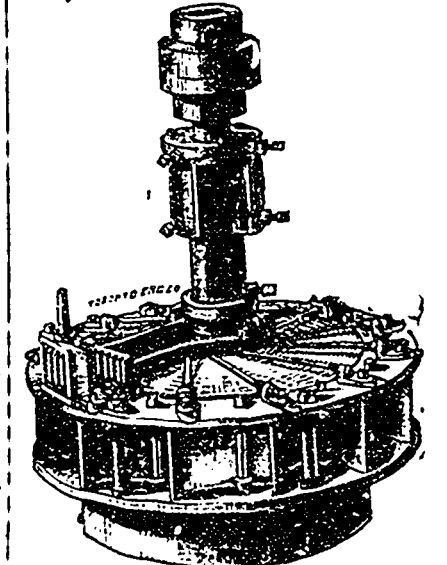
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