

Cross," was also very attractive. The brand known as "Guttaperch," we understand, is a make of special excellence, and has been approved by the Board of Underwriters, it being especially antiseptically treated and made particularly to meet the most severe requirements.

The Penberthy Injector Company, of Windsor, Ont., had a very fine display of their injectors, connected and arranged to form a barrier rail to their space. They had also a series of stands showing every size and pattern made. An interesting feature of this exhibit was a machine in full operation for making the Penberthy injectors. With the exception of perhaps one or two, all the machines at work on the grounds were fitted with this company's injectors.

The exhibit of the Metallic Roofing Company was in charge of their Winnipeg agent, Mr. Thomas Black. The had four panels of wall designs and two panels of zinc and copper ornaments, these making a wall 12 feet high and 36 feet in length. In front of this wall was a platform extending 18 feet, on which was shown panels of ceiling designs and other lines of their manufacture. Their famous "Eastlake" shingle was shown as applied in actual work, as were also their "Spanish" tile, "Diamond" tile, "Gothic" tile and "Empire" shingles.

The lubricating industries were represented by the Imperial Oil Company and the Canadian Oil Company, of Toronto, and McColl Bros & Co., of Winnipeg, all of whom displayed their goods in attractive booths.

The Henderson Roller Bearing Company's exhibit was one which attracted a good a good deal of attention, and was interesting as showing the great advantage in economizing power which a bearing of this description has. A large roller, weighing 5,648 pounds, was mounted on this bearing and was driven throughout the entire fair time by an ordinary fishing line. On an ordinary shaft were mounted three wheels, one an ordinary brass journal, the second on ball bearings, the third mounted on Henderson's roller bearings. The shafting was mounted on pedestals and revolving on the Henderson roller bearing, being driven by a silk thread.

TRADE NOTES.

The Canadian Casualty and Boiler Insurance Company, of Toronto, have opened an office in Winnipeg, in charge of Mr. W. O. Tassie.

The Fairbanks Company, of Montreal, have just acquired the plant of the Northrop Iron Works, at Valleyfield, Que. The company purpose commencing operations immediately for the manufacture of brass and iron goods.

The firm of Burrige & Cooper, machinery dealers, Winnipeg, have formed a joint stock company, which is capitalized at \$50,000. The officers are: President, James Burrige; vice-president, E. F. LeGrasley; secretary-treasurer, Alfred LeGrasley; manager sales department, E. S. Cooper; manager electrical department, F.A. Fry; manager mechanical department, C. Sifton.

The A. J. Burton Saw Company, Limited, of Vancouver, B.C., have completed their new works and are now in a position to supply inserted tooth shingle and band saws, file room machines and tools, bits and shanks, etc. This company are agents for British Columbia for the well-known saw firm of R. Hoe & Company of New York, and under the able management of Mr. A. J. Burton we predict a prosperous future for them.

saw, to keep saw from tipping against log. Further particulars, prices, etc., may be obtained by those interested by writing The Oxford Foundry & Machine Company, Oxford, Nova Scotia.

PUBLICATIONS.

"Tools for the Care of Saws" is the title of the latest catalogue issued by the William Hamilton Manufacturing Company, of Peterboro, Ont, who have lately entered into an agreement with the Covell Manufacturing Company, of Chicago, whereby they secure the sole right to build their saw sharpening machinery in Canada. All the Covell machines have been brought strictly up-to-date.

A booklet recently to hand is devoted to the Cape Town International Industrial Exhibition, which will be opened at Cape Town, South Africa, in November next and continue for three months. We learn that several hundreds of the leading firms covering practically every branch of industry in which South Africa is interested have arranged to exhibit, and that the Exhibition is now regarded as an assured success.

The American Wood-Working Machinery Company, 136 Liberty Street, New York, have just issued Catalogue "B" referring to special planing mill machinery. While in this catalogue there are illustrated only a few of the many machines which this company manufacture that are specially adapted for planing mill use, yet it represents the latest improvements in wood-working machinery, and should be in the possession of all persons

interested in the manipulation of timber. They have also published a pocket edition of their 1904 catalogue, by means of which a full line of machinery is presented in as compact a manner as possible, and have now in course of preparation Catalogue "C" of sash, door and blind machinery, and Catalogue "D" of furniture machinery.

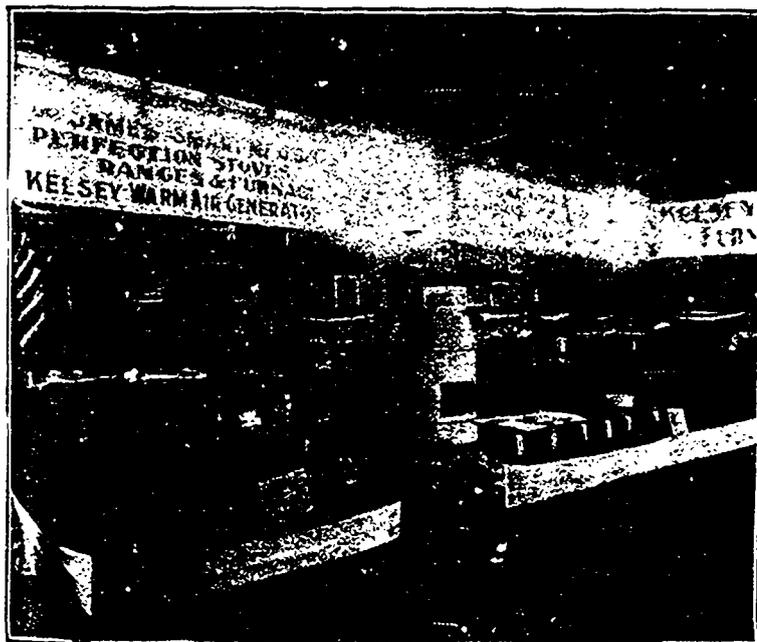
The pulp rates from Chatham, N. B., to Eastern States points have been placed on a par with those from St. John.

Canadian exports to South Africa last year amounted to \$1,931,541. For the calendar year of 1902 the imports of the South African colonies amounted to \$242,000,000, the United States sending goods in that year to the extent of \$22,000,000. With the aid of the preference and the direct line of steamers lately established between the Dominion and South Africa, Canada ought to successfully compete with the United States in such articles as bicycles, flour, chairs, agricultural implements, cotton, lumber, doors, sashes, blinds, household furniture, dairy products, musical instruments, carriages and harness, hay, condensed milk and provisions.

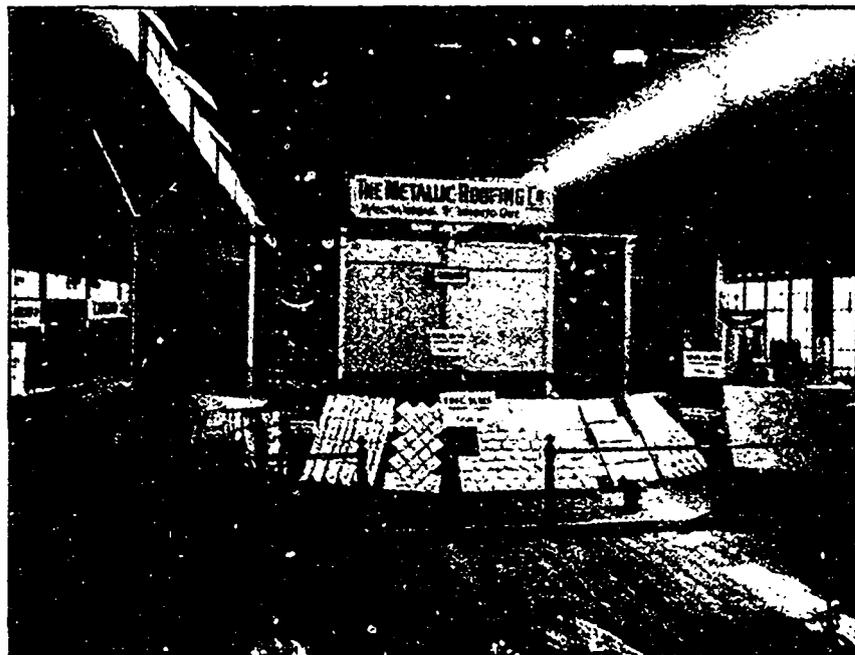


DOMINION EXHIBITION, WINNIPEG—EXHIBIT OF E. LONG MFG. COMPANY.

Mr. M. L. Killam, of Truro, N.S., has secured a patent for an auxiliary saw guide and self adjusting sett collars that are placed on saw arbors and are now used in circular saw mills. His claims are as follows: They are giving perfect satisfaction, as any sawyer can use them. They guide the saw perfectly in every cut without moving the front guide, and by this improvement and saw guide to top of saw it is no trouble to run thinner saws. It has cut more and better lumber than ever before sawn on circular saw mills. When sett collars are properly placed on the arbor it is impossible to heat or damage the saw in any way, as it has been tested, and when using top guide it keeps the saw in the right place and no time is lost when a larger log comes than will go under the guide, as it is hinged at right angles from the saw. When the large log comes in contact with the guide it moves out of the way and when the log returns back the guide is then pulled back by means of a small cord at the sawyer's hand, no time being lost at any movement of the carriage, and the carriage or the log can be moved back at any part of the cut, while the guide is in perfect safety of any accident. When using these attachments the saw should be in perfect line with the carriage and a guide at opposite directions from the one in front of saw, only on log side of



DOMINION EXHIBITION, WINNIPEG—EXHIBIT OF JAS. SMART MFG. COMPANY.



DOMINION EXHIBITION, WINNIPEG—EXHIBIT OF THE METALLIC ROOFING CO.