

THE SMALLEST STEAM ENGINE.

THROUGH the kindness of the inventor, Mr. Thos. Ticknor, of Parkhill, Ont., we are enabled to present to our readers an illustration, reproduced from a photograph, of the smallest steam engine in existence. Mr. Ticknor has succeeded after years of labor in completing this marvel of mechanical ingenuity. The "Little Jumbo," as this miniature contrivance is designated, is a perfect model of a steam engine, complete in every detail, and works with the accuracy and ease of a Corliss, and performs in miniature the same work as the most massive engine ever constructed. Its dimensions are as follows: Diameter of cylinder, $\frac{1}{8}$ of 1-16th of an inch; stroke, 1-32 of an inch; weight, $\frac{1}{2}$ of



THE "LITTLE JUMBO" ENGINE.

a grain; bore of cylinder, .3125 of square inch; revolution, .1760 per minute; horse power, .12490 part of a horse power.

It is so small that it can easily be covered with the case of a 22 calibre cartridge, being two-thirds smaller than the famous Waterbury engine that attracted so much attention at the Centennial.

IMPORTANT NOTICE.

A meeting to informally consider the advisability of organizing a Canadian Electrical Association, will be held on Thursday, the 17th Sept., inst., at the hour of 2.30 o'clock p.m., in the offices of the Industrial Exhibition Association, Exhibition Grounds, Toronto. A cordial invitation is given to persons in any way interested in the electrical industry in Canada, to be present.

GARLOCK'S ELASTIC RING PACKING.

This packing, illustrated by the accompanying engravings, was patented and first manufactured by Orrin J. Garlock, at Palmyra, N. Y., about six years ago. The main offices and factories in connection with its manufacture are located at Palmyra, N. Y.; Rome, Ga.; and Hamilton, Ont. The Canadian factory was started about three years ago.

From very small beginnings the manufacture of this article



SPIRAL.



SECTIONAL RING.



ELASTIC RING.

has grown to such an extent that upwards of 200 employees are now at work in the various establishments. The material is said to be in use in 28,000 engine rooms in the United States and 2,000 in Canada.

It is made in rings a perfect fit to the rod and box. The sectional ring packing is especially adapted to rods out of line, cut rods, flat bottom stuffing boxes and places that are very difficult to keep tight. The Garlock Packing Co., of Hamilton, who are the Canadian manufacturers, state that they are almost daily in receipt of letters from consumers highly recommending the packing.

PERSONAL.

Mr. J. H. Northey, of the firm of Northey & Co., steam pump manufacturers, Toronto, is at present in Europe looking after the interests of one of the firm's recent inventions.

Manager J. J. Wright, of the Toronto Electric Light Co., is the owner of a handsome yacht, and has lately returned from a two weeks' cruise on the lakes. Mr. Wright's enthusiastic interest in electric development is almost equalled by his longing to live the life of a jolly tar aboard the steam yacht in question.

We little thought as we presented the readers of the News a few weeks ago with a portrait and brief outline of the career of Mr. James E. Baird, President of the Canadian Association of Marine Engineers, that we should soon be called upon to chronicle his death, but such is now our painful duty. Mr. Baird passed away on August 13th at his home in Toronto, after a few days illness. The news of the sad event was received with the deepest regret by the circle of his acquaintances, and particularly by the members of the Marine Association, of which he was the chief executive officer. The members of the Canadian Association of Stationary Engineers joined with their brethren of the Marine Association in attending the funeral and in presenting beautiful floral tokens of loving remembrance to one who in life commanded their highest respect and esteem.

ROBIN & SADLER
Leather Belting
 SPECIALTIES
 DYNAMO BELTS
 WATERPROOF BELTING
 MONTREAL TORONTO
 2512 & 2520 NOTRE DAME ST. 129 BAY ST.