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As steam is never admitted to the interior of the trap there is no danger of explosions, and the closing being accomplished at the first appearance of steam, it is quite independent of the pressure of steam carried in the pipes or vessels to be drained. The remaining parts of the trap are the spring E and the regulating Screw V, the sole function of the spring being to retain one end of tube T against the pivot of the regulating screw. By means of this screw V the position of the valve in relation to the seating is regulated. The regulation is carefully carried out with the trap under steam for several days at the works before sending out and no further adjustment is needed.

It will readily be seen that the "Sirius" Trap offers many advantages over float and lever traps. As its working parts are not disarranged by travelling and consequently do not need to be taken apart for transit, the makers, Messrs. Holden & Brooke, Limited, Sirius works, Manchester, England, are able to carefully test and regulate each complete trap under steam before sending out and the instrument consequently reaches the user complete and ready to set to work without any further fitting or adjustment. The compactness of the trap and its small weight (a 1 1/2 in. Sirius Trap weighing twenty eight lbs and a 1 in. trap 10 1/2 lbs) lead to considerable saving in the important item of freight, while the fact that the trap may be fitted on its end, side, base, or indeed in almost any position, gives it a much wider range of application than bulkier traps which are in most cases only workable in one particular position.

A meeting of prominent manufacturers was held in Montreal last week under the presidency of the Hon. Senator Drummond to consider the provision contained in the new city charter to tax machinery employed in manufacturing concerns. The proposed tax was strongly denounced as tending to prevent the development of manufacturing industries in Montreal, and it was pointed out that if enforced it would likely result in the removal of several big firms from this city. Mr. Ogilvie, of the Ogilvie mills, has already threatened to remove his mills if the tax is put in force. It was decided to petition the city council not to enforce the measure.

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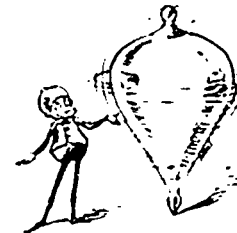
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