

An enterprising Ontario manufacturer, who has been thinking of trying the electric light in a woollen factory, sees a certain practical question which must be considered. With only one light for a large space, will not the shadows from the machines and framework keep in the dark, comparatively, many places where a good light is wanted? It may be that in some manufactories the electric light will not answer until the problem of its division and distribution to many small illuminating points has been solved, as it almost surely will be before long. Meantime, however, its perfect adaptability, not only to the lighting of large out-door spaces, but also of public halls and large in-door spaces generally may be regarded as settled.

PATENT BOX BOARD PRINTING MACHINE.

The cut below represents a machine for printing box sides and ends, instead of stenciling, doing the work *ten times faster*

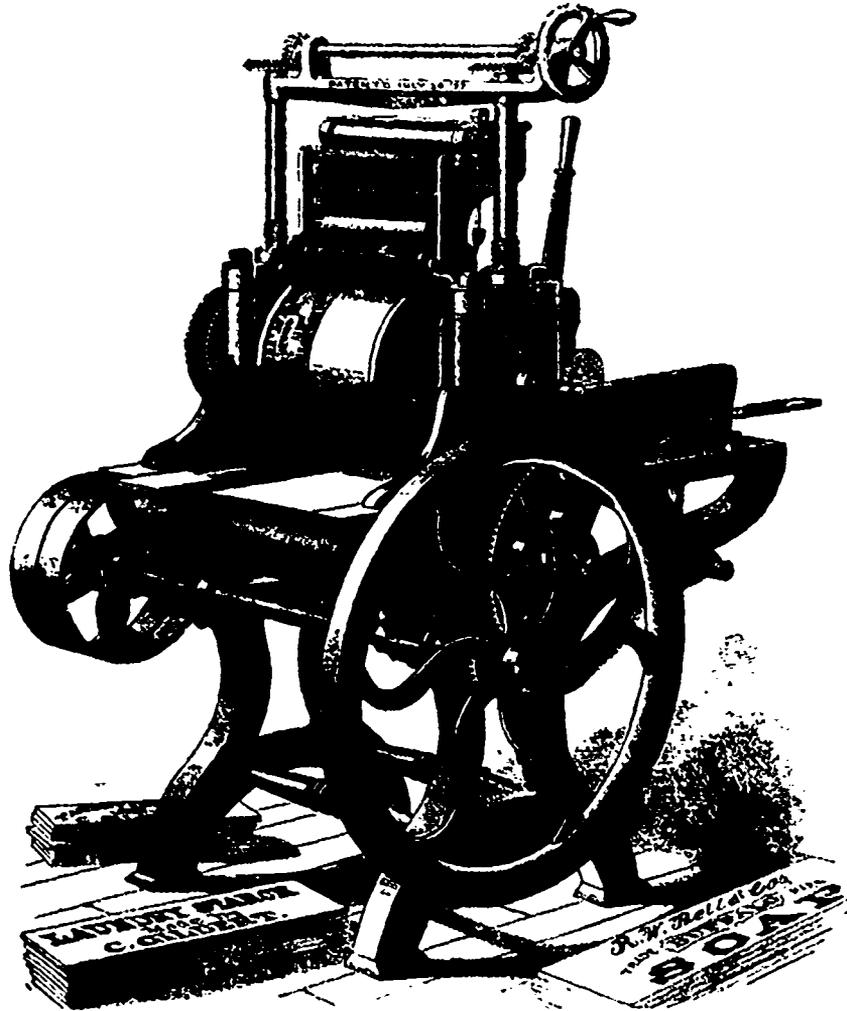
than can be done by hand. It will readily be seen the great advantages this machine has over the ordinary mode of stenciling a card or trademark upon sides and ends of boxes. It has the advantage of printing in a very rapid and clear manner all cards or trademarks much more perfectly than can be done in the usual manner, thereby rendering it of great importance to the merchant or manufacturer using large quantities of boxes for shipping, such as starch, saleratus, soap, oil, &c. It is very simple in its operations, so much so that any boy of ordinary intelligence can operate it with

very little experience. Its construction is not only very simple, but very strong and durable. All the running parts are of iron and steel and nicely fitted. All the gears are from cut patterns, thereby rendering the running of the machine, however rapid, almost noiseless. The type or form is cast in brass, and secured to the upper cylinder, but in such a manner that it can

be easily and rapidly adjusted to print upon the board at the proper time. The inking upon the form is done by composition rollers, and supplied to the latter by a reservoir, rendering the supply constant, and distributed by a distributing roller evenly over the type, rendering the work more perfect than can be done without such distributing roller. The inking rollers, by means of the lever, can be instantly raised from the type or form to prevent inking when the machine is not fed with boards. It will print boards varying from one-eighth of an inch to one and a half inches in thickness, and at the rate of 1,500 to 2,000 impressions per hour. The boards or sides of boxes are introduced to the machine in quantities of ten to twenty pieces at a time, and the bottom piece of the pile is fed by the reciprocating bar to its proper place in order to receive the impression at the proper time, the boards above dropping down to be fed in like manner until all are printed. A trial of this machine will convince the merchant or box manufacturer of its great utility in doing the work much more

rapid and perfect than otherwise can be done.

The manufacturers, Messrs. Connell & Dangler, of Rochester, N.Y., will be happy to furnish any further information.



PATENT BOX BOARD PRINTING MACHINE.

time, the *Toronto Globe* comes at once to the front, in order to denounce what it calls "a manufacturers' league." As for the right of association in this case, it ought to be clear enough. There are just as good reasons for the existence of a Manufacturers' Association, or "League," if you choose to call it such, as for that of a Board of Trade or a Corn Exchange. Nor can

ASSOCIATION AND ITS PURPOSES.

It is a well-established modern practice for persons of the same or nearly similar occupations to associate themselves together for the protection and advancement of their common interests. The Ontario Manufacturers' Association having set the whole Dominion an example which is deemed specially suitable for the present