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CANADIAN SCREW MANUFACTURE



The Works of the John Morrow Machine Screw Company, Limited, Ingersoll, Ont.

The manufacture of screws for engines, electrical appliances, bicycles, printing presses, and the myriad forms of machinery used in the arts and industries has become a business of great importance; and Canada is not lagging behind in this branch of trade, as the following illustrated description of a modern screw-making plant will show:



J. A. COULTER, President and Manager. FIG. 2.

both sides of the Canadian Pacific and Grand Trunk Railway tracks, we found the unpretentious plant of that well-known firm, the John Morrow Machine Screw Company. The layout, size and style of the buildings did not impress us with a sense of moderninity; but a critical inspection of the special machines, general equipment, and systematic methods of turning

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In the brisk agricultural town of Ingersoll—population, 5,000—situated between Woodstock and London, in the Province of Ontario, and located on both sides of the Canadian Pacific and Grand Trunk Railway tracks, we found the unpretentious plant of that well-known firm, the John Morrow Machine Screw Company. The layout, size and style of the buildings did not impress us with a sense of moderninity; but a critical inspection of the special machines, general equipment, and systematic methods of turning out screws in quantity disarmed all negative criticism. It did not take us long to perceive the secret of the widespread reputation of this firm for high-grade work.

Upon entering the low-roofed main building of the screw factory the eye is first attracted to the tool-room on the left, with its series of shelves covered with thousands of taps and dies, all tabulated and kept in systematic order. Dies for bicycle parts worth a small fortune are ranged on these shelves, also lying unused, a relic of the bicycle boom a few years ago. Coming out of this department, the scene shown in Fig. 3 is before us. It is like looking along a narrow pathway through a dense forest, with leather belting for trees. On each side of the longitudinal aisles are ranged innumerable single-spindle, automatic, screwing machines of modern make, with four men to look after twenty-five machines. At the lower end, past the seried line of buzzing,



Fig. 3.

clicking, single-spindle machines we found ten ingenious five-spindle automatic screw machines (see Fig. 5). These machines are covered by patent rights, and are owned and operated in Canada by this firm only.

Space forbids description with the minutiæ of a patent paper, but the general features of this ingenious machine are as follows: