

The Industrial Exhibition.

In the last issue of this journal was contained nearly two hundred notices of exhibits of Canadian manufactures shown at the recent Toronto Fair. As is our usual custom on such occasions we desire to make some mention of every such exhibit that possesses the merits of novelty and usefulness, but before we succeeded in alluding to half of them it was found that all our available space had been absorbed and that we would be obliged to hold over for another issue quite as many, perhaps a greater number of notices than were then given. By reference to our last issue it will be observed that but scant space was given to editorial matter, and that all allusions to such subjects as literary notices, mention of new manufacturing enterprises in different parts of the country, meetings of industrial bodies, etc., were omitted entirely. It was unavoidable, and for which we crave the indulgence of our friends. To a certain extent a similar condition prevails in this present issue.

We all know that Canada is a great manufacturing country, but the extent of that greatness none can tell with accuracy. The Toronto Fair, however, is a wonderful indicator, and it is only there that anything like an approximate idea can be obtained of the manufacturing industries of the Dominion. It is only there that a proper idea may be had of the diversity of those industries, their number and their value.

Another feature of the notices of these exhibits at the Toronto Fair to which we direct the attention not only of the exhibitors but also of all our readers, and of the newspapers of Toronto and other places, is that, unlike the methods observed by some of these papers, no charge whatever is made for giving them. Our opinion is that when manufacturers put themselves to the trouble and expense of bringing their machines, machinery and manufactured products to the Fair, and at great expense and inconvenience to themselves contribute to the full extent of their ability to the attractiveness and success of the Fair, they should not be subjected to a thumbscrew process at the hands of Toronto daily newspapers to force reluctant contribution at so much per line for notices of their exhibits. It is a sort of blackmail from which the manufacturers should be exempt, and which the management of the Fair should incontinently suppress. The prosperity of the Fair implies prosperity for Toronto, and the prosperity of Toronto means the prosperity of Toronto newspapers—those that deserve it.

No charge made for these notices.

SOHO MACHINE WORKS.

A. R. Williams, proprietors of the Soho Machine Works, Toronto, had one of the largest and most varied exhibitions in Machinery Hall; consisting largely of iron working machinery, lathes, planers, drilling machines, etc. His radial drill, drilling to the centre of 50 inches and drilling at any angle without changing the position of the work, attracted very special attention. He also showed a large assortment of Reeves' wood-split pulleys, a shaft loaded with these pulleys being constantly in motion. These pulleys are very strong, being nailed and glued throughout, and the arms being built into the rim gives them great firmness at this joint. The quartered bush gives great adhesion to the shaft, while the arm is so constructed as not to fan the air and to be easily bolted to the shaft.

Another attractive feature was a row of the celebrated Pickering governors, also in operation in front of his exhibit; the name of "A. R. Williams" being artistically worked in twist drills of the celebrated Cleveland make. He also displayed two cases of glass goods and machinist tools very neatly and tastefully arranged, while the Sturtevant heating and ventilating apparatus was in full blast, the engine driving the same being attached to the shaft of the fan. The effect of this blast was neatly shown by red, white and blue ribbons attached to the discharge of the Fan. This celebrated heating and ventilating apparatus may be seen in operation in the Massey Music Hall, the Massey Mission Hall, and in dry kilns in various parts of the city and Province.

He also had in operation one of his celebrated duplex Worthington pattern steam pumps supplying the water for the cascade at the east end of the building.

He also showed one of the Barnes foot power lathes which are so much in demand among the manufacturers and repairers of bicycles; while in the rear on a table was a fine display of lathes and drill chucks of the best American makers.

The same exhibitor showed at the east end of Machinery Hall outside of the building a wood-yard apparatus, consisting of a portable engine and boiler, swing crosscutting wood saw machine, and the Hildrith patent single woodsplitter, cutting and splitting the wood used by the various engines on the ground.

D. W. KARN CO.,

Woodstock, Ont., occupied a prominent position in the west side of the Music Pavilion, made exceedingly attractive by the tasteful ornamentation of the space, and the fine display of pianos and organs manufactured by them. This is an old, long established and wealthy

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concern who have acquired a world-wide celebrity for their instruments. They have always received the highest awards wherever exhibited, where awards have been made, not only in Canada, but also at the International Exhibition at London, at Barcelona, Spain, at Kingston, Jamaica, and other places.

Messrs. Karn & Co., make no pretensions as manufacturers of cheap instruments, which are offered complete for less than good material would cost. The Karn pianos have their cases in rosewood, ebony, fancy walnut, mahogany, oak, etc., and are double veneered throughout. The very best materials are used in the construction of these pianos. Many points of superiority characterize them. The patent scales are so constructed that they produce throughout the entire register great depth and purity of tone, combined with prolonged singing quality. The sounding boards are made convex or crowning, from the best spruce lumber. The iron plates used are patent full iron frame, covering the entire wrest plank. It is beautifully ornamented and will not tarnish by use or time, being baked or burned in.

The reputation of the Karn Organ is equal to that of any other manufacturer on the Continent. The company have one of the largest and most complete establishments in the world for the manufacture of organs. Their patent independent pedal bass can be applied to any organ of any make, giving perfect pedal practice—it is considered and acknowledged one of the most valuable acquisitions ever invented for reed organs. All organs are made first-class. No imitation; all cases made of genuine black walnut, and beautiful figured walnut veneer. These organs have always received the highest awards wherever exhibited.

HEINTZMAN & CO.,

Toronto, made their usual magnificent display of pianos in the Music Pavilion. The reputation of these instruments is well known. The firm is an old one, and every member of it is thoroughly practical in the part of the business over which he has supervision. Their pianos are made in all desirable styles, and the carvings and furnishings of them are of the most elegant description.

It is unnecessary to refer to the wide reputation this firm has attained. Their instruments have been before the public for more than forty years, and, from their excellence alone, have obtained a most gratifying pre-eminence. Since commencing business this concern have manufactured between ten and eleven thousand pianos, each one being a standing recommendation. They have one of the largest, most complete, and best equipped establishments in the Dominion. The best evidence of the progress made by them in piano manufacturing, is the fact that during the last ten years their business has increased at the rate of fifty per cent. per annum.

BELL ORGAN & PIANO CO.

Occupying a prominent location in the Music Pavilion was the exhibit of the Bell Organ & Piano Co., whose head office and factories are at Guelph, Ont. Heretofore, and until last year, when musical instruments were displayed in the Main Building, the Bell company occupied a space near the eastern entrance. That space was necessarily contracted and entirely too limited to allow of the exhibition of an assortment of even the more prominent lines of organs and pianos made by this concern. It was decidedly in the interests of the manufacturers of musical instruments that the new quarters were assigned them; and the Bell company improved their opportunity to decorate and arrange their space in a most tasty manner, and to show several lines of instruments not heretofore exhibited at the Fair. A close description of these goods is not necessary here—they are well known not only in Canada, but all over the world.

DOMINION ORGAN & PIANO CO.,

Bowmanville, Ont., occupied their own Pavilion, and in exhibiting their instruments they were free from the annoyance of hearing other instruments being played upon at the same time. Probably their most interesting exhibit was their Farwell piano. This instrument is built with a solid metal frame constructed to hold all the interior works of the piano, such as action, rest plank, tuning pins, etc., thus rendering it doubly strong and durable. On this metal framework a line of nickel agraffes are threaded directly into the plate. This replaces the old cast-metal bridges in use in almost all other pianos. Through holes pierced in the agraffes each of the strings pass. These individual agraffes have a threefold purpose. They insure purity and a singing quality of tone found only in the best pianos. They remove 50 per cent. of the strain of the strings from the tuning pins. It is also provided with a system of double sounding boards, ensuring a rich volume of tone. A number of other excellent organs and pianos were also shown.

BERLIN PIANO & ORGAN CO.,

Berlin, Ont., exhibited specimens of their instruments in the Music Pavilion. These pianos and organs are attractive in appearance, are substantially constructed of good designs, and emit full and pleasing volumes of melody.