

which, in reversing, shifts one belt before the other, thereby insuring a positive and easy change from back to forward motion. A radial drill on exhibition has a motion that can be changed from single to double gear instantaneously, the arm swinging on a heavy column, and with which holes may be drilled in a radius of five feet. Their iron drilling machines combine many excellent qualities which specially adapt them to the requirements of either large or small shops. The tool consists of a heavy column and foundation plate which extends to the back to carry the frame containing the counter shaft, cones and gear. The headstock carrying the drill-bar can be raised and lowered to suit any work.

Besides the many different machines here alluded to, this concern also manufacture and supply complete outfits for railway machine shops, locomotive and car builders, implement manufacturers, etc.

Quite a collection of tools manufactured by Messrs. Bertram & Sons are to be seen in Messrs. Nicholls & Howland's Permanent Exhibition of Manufactures in this city.

THE CROMPTON CORSET COMPANY.

Of the numerous exhibits displayed in the Main Building, that of the Crompton Corset Company demands special mention, their exhibit attracting a great deal of attention from all, and particularly from the lady visitors to the Exhibition, who continually throng around the magnificent line of goods displayed by this company. It is eleven years since the Crompton Corset Company first started, and since then they have worked up a wonderful and deservedly good reputation. As a further indication of the progress of this enterprise, it might be mentioned that they have employed at their factory, at 82 York street, Toronto, over three hundred hands constantly engaged in the manufacture of corsets. Fifteen different kinds of corsets are made, ranging in price from fifty cents to one dollar and seventy-five cents. This seems a large range, but the fifty-cent line receives just as much attention in their manufacture as the most expensive corset made by them, and the difference in price made is in the quality of material used. All are guaranteed perfect fitting, giving both ease and comfort. Special mention must be made of the "Yatishi" corset, which the firm has recently introduced to the public, and which is rapidly gaining an enviable popularity, solely attained on its merits as a first-class article. The "Coraline" is another special line manufactured by them, and which now has a world wide reputation for elegance of finish, easy and comfortable fit, etc. Much more might be said in reference to the goods manufactured by the Crompton Corset Company, but limited space defers us. Suffice it to say that the firm and their excellent goods are well known from ocean to ocean throughout Canada, and have made rapid strides towards the perfection of the corset.

THE BATTEN FIRE ESCAPE.

MR. JOHN BATTEN, the patentee, of Pittsburg, Pa., has an exhibit in Machinery Hall which commands a great deal of attention from manufacturers and all who occupy high buildings and give employment to large numbers of hands. The exhibit is the Batten improved fire escape. In its construction and attachment to buildings the wrought iron brackets are fastened through the wall with nut and washer on the inside. The top bar of railing of balcony extends through the wall and fastens in the same manner. The arrangement is such that the ladders can be released at a moment's notice, and when not in use can be thrown up out of the way. The balconies can be made of any length, and will hold as many as can stand upon them. The ladders are always ready for use, affording a certain, safe and easy method of escape from burning buildings. It furnishes the fire department convenient access to all parts of the building, and by means of the stand pipes water can be quickly conveyed to any story or the roof. Mr. Batten exhibits a letter from Mr. Samuel Evans, chief engineer of the Pittsburg Fire Department, in which, testifying to the advantages of the Batten escape, he says that its advantages are superior to any he had any knowledge of, and that during the great fire near the Seventh Avenue Hotel, in that city, the fire department were very materially aided by using the Batten arrangement, which was tested to the utmost.

A number of theatres, public schools and similar buildings in the United States are equipped with this escape, and the Ontario Government contemplate supplying all the public buildings in the Province with it.

Mr. Batten will establish an agency in Toronto for the manufacture and sale of this escape, of which due notice will be made.

A working model of the Batten fire escape is to be seen at the Permanent Exhibition of Manufactures of Messrs. Nicholls & Howland, Front Street, Toronto.

AMERICAN WATCH CASE COMPANY.

The American Watch Case Company, 57 Adelaide street west, Toronto, have a very handsome display in the west nave of the Main Building.

Regarding the quality of the goods manufactured by the American Watch Case Company, it should be borne in mind that they are always just as represented; that is to say, if an article is marked "18k," or any other mark is shown indicating its fineness, such mark represents the true and correct quality, and there is no "stamping up" or misrepresentation whatever. Further, all goods manufactured by the company bear their registered trade mark—a Maltese cross—and a full guarantee goes with every article that its quality is as represented. In this connection those who purchase any article bearing the trade mark of the American Watch Case Company, no matter where or from whom it may have been bought, have the satisfaction of knowing that it is covered by the company's guarantee. Some manufacturers of similar goods "stamp up" their cases—that is, mark them to represent a greater than their intrinsic value, for the purpose of deceiving purchasers, but this is a thing that this company will not do under any circumstances.

Another important fact to be remembered is that this company sell their goods at precisely the same prices that respectable competitors in the United States, England or elsewhere, charge, and no more, although they are protected by a tariff duty of 25 per cent., and for this reason the general purchaser can buy these goods from any retail establishment in Canada as cheaply as from any similar store any where in the world.

W. BELL & CO.

MESSRS. W. BELL & Co., Guelph, Ont., show in the Main Building, at its eastern entrance, what is perhaps the largest and most interesting exhibit of organs on the Exhibition grounds. Large as their space is, and large as their exhibit is, they can show but comparatively few of the many styles of their organs, but those that are shown elicit a great deal of admiration, and throngs of visitors swarm around the place all the time. Mr. J. W. Scott has charge of the exhibit, and is the Toronto representative of Messrs. Bell & Co., his place of business being at 12 King street west, where large numbers of the celebrated Bell organ, and in every variety of style, are always on exhibition.

Messrs. Bell & Co. are the pioneers in Canada in the manufacture of this class of musical instruments, having established themselves in the business in Guelph nearly a quarter of a century ago. In its infancy the business was precarious and uncertain, but a thorough knowledge of its requirements and close application to it has brought it out of its swaddling clothes to be, as it is to-day, one of the most important industries in Canada.

Regarding the demand for organs, it is no longer considered a luxury in a home to have an organ in it, but a necessity at almost every fireside; and in the selection of an instrument the most important points to be considered are the merits it embodies as an artistic and correct producer of harmonious sounds—music—and the artistic and correct taste displayed in the case which encloses the action. That these desiderata are embodied in the Bell organ is shown first by the large numbers of them which the firm are constantly producing, and second, by the favor with which they are received, not only by the music-loving public generally, but also by musicians and masters of music. They have received the highest honors wherever exhibited, and gold medals have been awarded them at all exhibitions where they have been shown. Everything that skill, experience, and the largest facilities can yield, has been and is utilized to keep the Bell organ up to the high standard to which it has attained.

Messrs. Bell & Co. call special attention to the fact that they are the original owners for Canada of Scribner's tubes, by which the volume of tone is largely increased, and the quality rendered similar to that of the best pipe organs. By means of this invention, an organ containing two sets of reeds becomes equal in volume and quality to a much larger instrument. This invention consists in the construction and application of tubes of wood, placed so as to operate in connection with the reeds, each tube having an opening on the upper side at the rear end, through which the air, subsequently passing through the rear end, enters, and through which the sound produced by the vibration of the reed escapes.

The catalogue of organs manufactured by Messrs. Bell & Co. includes ten different styles of cases, varying from the small modest affair suitable for cottage use to the most elaborate double manual and full pedals with beautiful pipe top: a large number of styles as regards finish, decoration, number of stops, etc., being shown and described as enclosed in each style of case. One style illustrated—