

Company has been in existence a little more than two years, during which time we are told it has placed in the market 7,000 machines. It is rapidly becoming a favourite with Canadians, and, as far as we can judge, deservedly so.

The remaining machines exhibited were the "Royal," supplied with an extension table, the advantage of which is apparent, manufactured by the Gardner Company at Hamilton; the "Osborn," made at Guelph—another machine fast rising in popularity; the celebrated "Wheeler & Wilson," which has a world-wide reputation; the "Williams," made in Montreal upon the "Howe" pattern; the "Howe" and the "Florence," the two latter being of American manufacture, and fine specimens of mechanical ingenuity.

METAL WORK.

Under this head stoves are included. There were 173 entries in all, and as an average the quality of the work was of the best possible description.

Coppersmiths' work takes the first rank in this class, and is represented by Messrs. Booth & Son, of Toronto, who had on view a "Baudelot" Beer-Cooler, extensively used by Canadian brewers. It consists of an upright series of tubes, at the top of which is placed a small trough. The liquor enters the trough and is strained off. The malt liquor flows over the tubes (filled with water from the bottom) and is evenly distributed over the surface by means of small teeth attached to the under part of the tubes. The water entering from the bottom and filling the tubes rapidly, cools the liquid. A set of plished copper boilers (for heating purposes) and a set of liquid measures are extremely well made.

The show of engineers' brass work was highly creditable, as also the sample of firearms, gas-fixtures, iron and locksmith work. Among the last there were several fine specimens, including Griffiths' (Toronto) Patent Lever Mortice Locks and Latches for doors and railway carriages.

Thomas McDonald, Toronto, exhibited an elegant set of plain and Japanned Tinware, tastefully executed. The enamels are remarkably fine, nearly all of them being painted by hand.

Wexelberg & Co., Toronto, exhibited a patent improved flat-crimped stove-pipe elbow, peculiarly simple. The process of manufacture attracted an interested crowd of lookers on. The simplicity and usefulness of this elbow, as well as its moderate price, make it a necessity with every housekeeper.

W. H. Rice, Toronto, showed a fine stock of wire-work of excellent quality and novelty of design. A sample Invalid's Chair and Bedstead were particularly noticeable. The arms of the chair are held upright with a "ratch-hook" and holds the chair in any of five positions by means of niches in the rounds of the forearms. It can be thrown back and placed in a horizontal position if necessary. The end of the chair has a foot-board, raised or lowered at pleasure and the whole, when extended, is seven feet in length. The elasticity of the bed of the chair is caused by the peculiar twist of the wire, which is light, strong and durable. The novelty of the design, together with its easy adjustment to any position, makes this invention a valuable boon to sufferers. A flower-stand with spiral twisted columns and graceful curves occupies a conspicuous place.

Samples from E. & C. Gurney's Foundry, Toronto and Hamilton, occupied a separate building, and were a general centre of attraction. Four self-

feeding base-burning stoves were in active operation. Gurney's "first-class cooking stove," and two-story self-feeding hall stoves with evaporators, were splendid specimens.

James Smart, Brockville, had a specialty designated the "Mansard Cook Stove." The advantages are that a steak may be broiled, or bread toasted, by merely opening the front, while the top remains undisturbed. The advantages it possesses are striking, and combine economy with heating power to the best advantage. In elegance of finish and design, the goods of this exhibitor are worthy of all praise.

Messrs. Hart and McKillop, Toronto, show a variety of hot-air furnaces. There are no pipes or fear of clogging, and the amount of fuel saved by their use is claimed to be fully one-fourth.

D. S. Keith, Toronto, exhibited a large French cooking range with copper steam cooker and heating apparatus. In addition to the above the principal firms represented were J. G. Beard, Toronto, who had a fine selection of articles, distinctive for their simplicity and great economy in fuel consumption. St. Catherines Stove Company, A. Laidlaw & Co., Hamilton, Beech & Bros, London (exhibiting "Henderson's Patent"), and J. M. Vanalstine, St. Catharines.

Messrs. F. P. G. Taylor & Co., Toronto, made quite an extensive display of compound metals, foremost among which may be classed the "Babbitt" metal, the application of which, for mechanical purposes, is now becoming generally recognized. It is unsurpassed in quality, and well adapted for the purposes required, viz., lining and bearing.

Thurber's Royal Anti-friction metal, shown by the same exhibitors, is an economical and indispensable adjunct in machinery liable to great friction, which it will resist to a greater degree than any other at present in use. Each sample appeared to be of the best make, and we have the opinion of competent mechanicians for saying that it is the most economical anti-friction agent at present employed.

MUSICAL INSTRUMENTS.

Messrs. Heintzman & Co., of Toronto, had an exhibition an upright piano, designated an "Upright Grand," of their own manufacture. The numerous testimonials of acknowledged critics in musical art, given in favour of their instruments, are reliable guarantees, and fully corroborated by this splendid instrument. It is of admirable workmanship. The back is framed of iron, rendering it especially suitable for resisting those climatic influences which sadly mar the beauty of tone in pianos unprovided with this important adjunct. In a climate like ours this provision becomes an important item. Possessing a check repetition action, a resilient, light and firm touch is produced. The interior mechanism is admirable, as for example, the action of the soft pedal bringing the hammers nearer the strings the force is greatly lessened, the tone although lessened is clearer and more liquid in quality, and free from that unpleasant vibration we have before observed in instruments of professedly better make. The tone of this piano is delightful, being rich, powerful, sweet and full. Two Grand Squares were also on view, made by the same firm, both possessing the same qualities though not, in our opinion, in so large a measure as the "Grand Upright." The case, although of secondary consideration, was fully up to the standard of American pianos in decoration. This firm also exhibited a Goodman Organ, made in Syracuse, N. Y. This in-