

REPORT OF MR. C. McNAUGHTEN.

*To the Directors of the Board of Arts and Manufactures,
Toronto.*

GENTLEMEN,—I beg to draw up a report of my labors during the time which I have been engaged by your Board.

The first point east of Toronto where it may be said manufactures are carried on is Whitby. Although in a commercial point of view, from its fine harbour, and the quantity of produce of various kinds shipped therefrom, and the wide range of fine agricultural country in the rear and upon each side of it, yet it is not particularly noted for its manufactures; although, like other towns of the kind, it has its share of artizans and mechanics necessary for its local trade, yet, strictly speaking, the only manufactures of this place for export are those of pianos, and a foundry. The former of these, belonging to Mr. Rainer, has lately become of some notoriety; this does not consist of so much in the number made but in their excellence, both in richness and deepness of tone and fineness of finish, he has been awarded the first prize by the association for them. He can dispose of all he manufactures.

The foundry heretofore has been engaged in making ploughs and executing general custom work; it has, however, lately been enlarged and re-opened. It is the property of Mr. Brown, but the Messrs. Patterson's, of Belleville, have now an interest in it, and intend carrying on the manufacturing of mowing, reaping and threshing machines. This locality has not before had anything of the kind, although agents from Brantford and Richmond Hill have been located here. The reputation of the Messrs. Patterson's stand very high; their opening an establishment situated in such a fine agricultural County as Ontario, will ensure to themselves success, and become a great acquisition to the Town of Whitby.

OSHAWA.—This village is the next point east, although it is only classed as a village yet there is no town and few cities that can boast of or come near to the standard of manufacturing of this place. There are plenty of places where more manufactures are carried on, but I speak of the extent in one particular or separate branch in one shop.

The most important of these are, A. S. Whitney & Co., scythe, fork and hoe manufacturers; Joseph Hall, thrashing machine and clover mill manufacturer, and Fuller & Co., cabinet ware manufacturer.

The operations in the factory of A. S. Whitney & Co. for this year are 2,500 dozen scythes, 1600 dozen forks, 1000 dozen hoes; they also manufacture scythe snathes, cast steel rakes, and many other small wares suitable for garden culture, but

taking the three first articles above enumerated, and putting them at their average cost, they will amount to over \$50,000. A few years back such an article as a scythe manufactured in Canada was not to be had. Mr. Whitney has long enjoyed an extensive business in this line; he imported all his articles, but the protective duty imposed upon such induced him to open an establishment for the manufacturing of them here; his enterprise has met with the greatest success, it has been yearly increasing, and is destined to do so. The articles manufactured are of a high order and give entire satisfaction. Although the above large quantity is manufactured here, yet it is not a tithe of what is required in the Province. Those imported, especially from England, do not come up to the mark, the fault being in the tempering.

On first entering this establishment, the blowing of the many furnaces, and the heavy quick thump of the trip hammers, would lead one to believe that they were paying a visit to one of the establishments of Birmingham; but, notwithstanding the confused noise, everything was going on in the most orderly way, every one was busy and at his post. There are over fifty men employed, and each one is employed by the piece; they are obliged to make so many dozen per day. In this way the manufacturer can tell exactly how much each piece will cost, and what the value of each man is to him.

The making of scythes is unlike most other kinds of tools; for, while in ordinary cases—such as axe making—the one person can do the various parts necessary, in this establishment they pass through the hands of 8 persons before they are finished. They require workmen well skilled, for in either of the operations which they have to go through they are liable to be injured.

The establishment of Joseph Hall is also very extensive, it is confined to agricultural implements. He employs fifty men; they work by piece-work, but the men are able to make from \$1.50 to \$2.50 per day. He has turned out two hundred thrashing machines, fifty clover mills, 1,000 ploughs, (principally cast-steel mould board). The shop at present is in full operation, they are making clover mills; this is a new patent, and the only place in the Province where they are manufactured, they are the most complete machines of the kind now made. The clover in the straw is put into the mill, and when you next see it it is in the bag ready for market. It will thresh and clean up in this way from forty to fifty bushels per day; upon the old principle fifteen bushels per day was the very best that could be done, and if a little damp not over half that quantity.