

CLEVELAND BICYCLES.

A representative of THE CANADIAN MANUFACTURER was one of a party who were favored by an invitation a few days ago by Mr. E. R. Thomas, manager, to visit and inspect the Toronto Junction factory of H. A. Lozier & Co., manufacturers of Cleveland bicycles. The visitors were under the escort of Mr. H. H. Macnamara, of the Toronto city office, and were taken to the factory in a special street railway car provided for the purpose. On the arrival of the party at the factory they were met by Mr. Thomas and Mr. H. J. Hass, the superintendent of the works, and under the guidance of the above-named officials were shown through the establishment, where they saw the entire process of manufacturing Cleveland wheels. The factory is exceedingly well located, being on high ground overlooking Lake Ontario, a line of the Grand Trunk Railway passing the door, a switch of which enters the premises.



ROOFS must be chosen with care and judgment in any country, and especially so in Canada.

All our products are constructed for use in Canada, and ample provision is allowed for contraction and expansion, and we guarantee them to be water, wind and storm proof.

Information from any dealer, but should he offer you something "just as good," write us.

Pedlar's patent steel shingles are the best, and the best cost no more than the poorest.

Pedlar Metal Roofing Co.
OSHAWA, CANADA.

The army of employes find residence in contiguous cottages in Toronto Junction, one of the most important manufacturing towns in Ontario. In the factory are included several large, well-arranged, well-lighted and substantial brick buildings, with an aggregate floor-space of 137,000 square feet, with facilities for turning out an average of 200 bicycles per day.

It would require more space than we have at command to give a technical description of the various tools used in the factory, but we can say that nearly every machine and appliance contained in it were manufactured in Canadian workshops by Canadian workmen. We mention briefly the following facts:—The west end of the ground floor of the main factory is devoted to drilling crank hangers from solid steel forgings, profiling fork-crown forgings and sprocket arms, milling chain blocks, sprockets, etc. It contains twenty-eight milling machines, two profiler, one chain riveter, one rim roller, six punch presses, one three-spindle press, sixteen drill presses, one chain adjuster and one slotting machine.

The east end of the ground floor is devoted principally to assembling and fitting frames and forks, and contains one tube cutter, three drills, one two-spindle drill, one universal drill, lathes, vises, etc.

The north end of main floor contains dynamos for electric lighting, a 200-h.p. Wheelock steam engine made by the Goldie & McCulloch Co., fire pump, blower for hot air system, air pumps, boilers, etc. The grinding room contains eight double lathes, and it is in this department that most of the parts are ground before filing and polishing.

North of the grinding room is a department containing two drop hammers, two trimmers, two punch presses, blacksmiths' forges, swagers, hardening oven and brazing plant.

The polishing room is equipped with sixteen double polishing lathes, and every known appliance for bicycle polishing.

The tool department contains one planer, five shapers, two millers, fifteen lathes, die-sinking machine, vises, grinding machine, drill presses, emery grinders, etc. Thirty-five of the most expert tool-makers are employed making tools for the manufacture of the different parts of the Cleveland bicycle.

The spoke and tumbling department contains spoke header, spoke roller, spoke bender, milling machine, lathes, etc. The lathe department contains twenty-one screw machines, ten lathes, grinders, etc. The tool crib contains all tools not in actual use. The nickel plating department contains a

THE
CHEMICAL
COMPOUND
COMPANY

CORRECTLY
COMPILED
CHEMICAL
COMPOUNDS

CIVILITY
CAREFULNESS
COMPLETENESS
CONTINUITY

DO YOU KNOW

That you are paying for Boiler Compound all the time whether you use it or not?

IF YOU DO NOT BUY

You will pay your coal dealer more than its cost in the extra Coal you burn.

Zinkolene Saves Money

THE CHEMICAL COMPOUND CO., 66 River Street, - TORONTO.

ONTARIO GOLD MINING
DISTRICT:

Sultana Mine.
Foley Mine.
Mikado Mine.
Olive Gold Mine.
Cameron Island Mine.
Hammond Reef Mine.

A Few Mines



WHO USE

DRILLS

COMPRESSORS

BRITISH COLUMBIA:

Le Roi Mine.
War Eagle Mine.
Old Ironsides Mine.
Centre Star Mine.
Crown Point Mine.
Knob Hill Mine.

CANADIAN RAND DRILL COMPANY, Montreal

When writing to Advertisers kindly mention THE CANADIAN MANUFACTURER.