

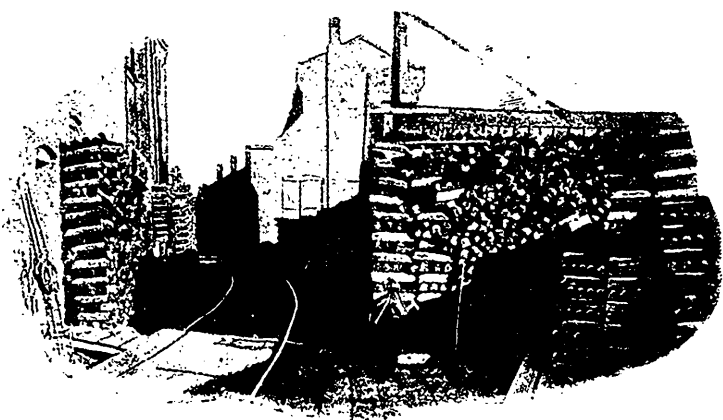
stamped out are forged to shape in the drop-forging department.

One of the most interesting features of the metal-working departments is the automatic tooth-hardening machine. This machine tempers disks, teeth, etc., without any attention further than putting in the pieces to be tempered. A similar machine is the one used for tempering knife sections. This arrangement gives a perfectly uniform temper to each tooth, leaving a hard edge and a soft centre, insuring long life and effective service.

one-quarter minutes. Over 25,000 feet of lumber passes through the wood-working department of the Toronto works every day, to say nothing of the large consumption at the company's Brantford factory.

The tests of finished machines are rigid and thorough, and many of them are very interesting.

An experimenting department is maintained, with a corps of efficient workers, where new ideas are tried. Improvements are developed and the simplification of existing devices is studied. No attachment, improvement or change of any



OVER 1,200 TONS OF IRON IN STORAGE AT ONE TIME AT THE
TORONTO FOUNDRY OF THE MASSEY-HARRIS CO., LTD.

In the lumber yard lumber is stored for two years before it is used. The shavings and sawdust are taken automatically from each wood-working machine to the boiler-room and used for fuel. Nothing but split hickory spokes are used in the wheels of the Massey-Harris implements, and the spoke-making machinery has not stopped one working hour in over twelve months.

The spokes are driven into the iron hubs by power, an entire wheel being filled in, trued, and the tenons cut on the end of the spoke ready for the felloe, in one and

kind is adopted until it has passed the fire of this department and has been found desirable. Thus no experimental, untried piece of mechanism is put out at the expense of the purchaser, but every single mechanical device is proved before it goes into a machine that is offered for sale.

One of the busiest departments is that in which extras are boxed for foreign shipments. The extent of the export trade enjoyed by this factory is indicated by the fact that this work of boxing extras for export keeps busy a separate department, employing a goodly number