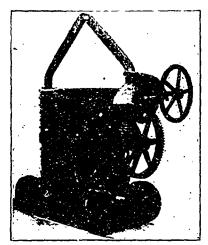
The brass foundry, located at one cor-ner of the main building, is provided with four crucible furnaces and a special form ler with interlocking transfers on the acid may be drained back into the vats side floors serves the moulding area of and the board subsequently tectored over the room. Blast for the furnaces is for washing into the trench upon the furnished by a No. 3 Sturtevant other side of the room. The floor clopes "Monogram" Blower and the entire so as to give perfect drainage. A pneumachinery, consisting of a sprue cutter, a matic travelling crane serves this room. magnetic separator, a tumbling barrel One of the noticeable features in the and emery wheels is driven by a 5 h.p. equipment of this plant is to be found in Sturtevant Motor attached to the wall. the sanitary arrangements. Most gener-The entire floor is of concrete in which ous provision has been made in the case is imbedded a section of the industrial of the foundry, which has a large locker

In the middle of the end of the foundry is the core room. The ovens are six in number, are served with tempered water



TWO TON TRANSFER LADLE TRUCK.

cleaning room, through which run the designed to operate with exhaust steam. longitudinal tracks from each main aisle The entire heating system in each buildof the foundry. A five ton three-motor ing is under thermostatic control, by electric crane equipped with Sturtevant which means an even temperature is motors serves the principal portion of maintained throughout all the rooms. the floor in this room. The tumbling Distribution of air is made through a barrels, six in number, are completely system of overhead galvanized iron Sound has also been enclosed in housings of steel plate. These piping, discharging downward to the Ontario Government together with a Sly cinder mill and floor, thereby distributing the air in even steel superstructure. together with a Sly childer mill and hoor, thereby distributing the air in even several emery wheels are driven by a 30 volume and economizing in the amount h.p. Sturtevant motor. A temporary of heat required. The foundry apparatus air compressor located in one corner and is of material service upon summer days driven by a Sturtevant motor, supplies air at 100 pounds pressure to chippers, shak-ers, hoists, etc., employed in connection with this work. The lighting and A complete underground tunnel system driven by a Sturtevant motor, supplies air at 100 pounds pressure to chippers, shak-ers, hoists, etc., employed in connection with this work. The lighting and A complete underground tunnel system

ventilation of this room are noticeably is provided for distribution of steam and good.

of reverberatory furnace designed prin-cipally for the melting of babbit or crete. The pickle beds are of tester various buildings. The tunnel measures similar soft metals. An overhead travel-board construction so designed that the five feet wide and six and a-half feet in

One of the noticeable features in the railway communicating with the balance and wash room. Expanded metal lock-of the foundry. position. Enamelled iron sinks, six in number, three being seven feet in diam- and are generously patronized by the eter, of the reel type and three being employees. A series of slate partitioned respectively four, five and seven feet in shower baths has proved to be very width by eight feet ten inches in length, acceptable during the past summer. The provided with cars. An overhead travel- floor of this room is of tar concrete; the ling crave serves these latter ovens and upper walls and ceilings which are white provides for the transfer of heavy cores and fresh are in pleasing contrast to the steel work and base of the walls which are finished in dark green. Within the same room is installed the time recording system so placed that a double line of men pass the board, one upon either side, as they go and come from the room. The foundry foreman has not been forgotten in the matter of convenience and be with his assistants is provided with an attractive office, well lighted and susceptible of thorough ventilation from out of doors.

Naturally the entire plant is heated and ventilated by the Sturtevant System. air into a vertical flue and thence to the various rooms. The air for this apparatus is taken directly from out of doors. As a result, there is a peculiar freedom from

to the industrial railway which passes dust in the pattern storage rooms, which Department of Public Works at Muskrat through this room. A portion of the room is partitioned off and serves for the women core makers employed in this department. The floor is of concrete. The tops of the ovens are utilized for storage of cores upon a special rack of straightener, driven by a 5 h p. Sturte-vant motor, together with a Hanun pneumatic shaker are the principal ma-chines in this room. Art the other end of the foundry is the heating apparatus for ench building is beat construction by a 5 h p. Sturte-vant motor, together with a Hanun chines in this room. At the other end of the foundry is the heating apparatus for each building is

return of the water of condensation, dis-Adjacent to the cleaning room is the tribution of electricity, compressed air,



ONE TON ELECTRIC HOIST.

beight, and thereby offers ready access In the case of the pattern building the to its contents. In the pattern building apparatus, consisting of an engine-driven and foundry the pipes are laid in concrete trenches covered by iron plates, which fau and steel pipe heater, is placed close trenches covered by iron plates, which to the division wall, delivers the heated present equal facility for reaching the pipes and wires. pipes and wires.

## ONTARIO PUBLIC WORKS.

Work has been commenced by the to the industrial railway which passes dust in the pattern storage rooms, which | Department of Public Works at Muskrat

Work has been commenced on the new bridge over the Winnipeg River at Rat Portage.

Another new swing bridge is being erected over Lindsay Street, in the town of Lindsay.

The substructure and piers for a new bridge over the Seguin River in Parry Sound has also been commenced, and the Ontario Government will crect a new

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