## MANUFACTURE HOT METAL & MOULDING







84. A Hyster truck is supporting the







In the Moulding Shop the pattern many different components, wou a moulding box, set in sand in a' and carefully consolidated. They to leave an appropriately shaped ten made up of ch be placed in particular way, then removed in the sand.

Molten iron was then brought from the stream at the spout of a cupola (furnace) in one of a variety of different shaped containers, before being transferred to a "ladle" of one of a number of different types, some hand-held. The ladle was then used to pour the molter iron into the moulding box.

Over the years a variety of conveyances were used to move molten iron round the foundry floor, including the 2-man, 2-wheeled "bogie". In later years Hyster trucks, with balance weights manufactured in the Lion Foundry were used, affording the foundrymen a satisfying opportunity to make constant practical use of their own handiwork.

After an appropriate period for cooling, the iron castings were removed from the moulding boxes and taken to the Dressing Shop for finishing work









view of the Lion Foundry site, 1923. The River Luggie is to the left of the foundry, with the he picture. The railway line is beyond the River Luggie, and there is a branch line crossi Forth & Clyde Canal at the the Luggie and into the