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Salzgitter Report

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Temperature Data

Salzgitter Report:

(2)

check made with optical pyrometre gave the following readings in round figures (Steel .08% Carbon, 0.35 Mn.)

Billat Temp. Stand 1	-	1150 - 1175 ° C	2100
Stock " after Stand 7	-	1,000 ° C	1830
" " " " 13	-	975 "	1785
" " before " 18	-	950 "	1740
" " after " 33	-	1,025 "	1875

Since it is difficult to operate with the spray nozzles in the water box before the finishing cage these had been replaced with easily removable pipes as previously reported. As an alternative, to get more cooling effect in the finishing cage, the following have been tried.

- (a) The spray nozzles have been set to vertical instead of as originally in the horizontal plane, to get more water on the pass.
- (b) All valves opened fully to make available the 150 lbs/sq. inch of water pressure.
- (c) As reported when setting up the mill, water holes were drilled through into the bores of the guide boxes of the open receiving guides for the rounds in order to make them standard with the guide boxes of the oval receiving guides. Wooden plugs were then fitted in the water holes of the round bronze guide holders of the receiving guides for the rounds to prevent too much water entering the guide. These wooden plugs have now been removed in view of the temperature rise in the stock thro the cage, and the additional water entering the round receiving guides at high pressure seems to have a cooling and cleaning effect on the stock. Further experiments are being made and will be reported later.

SATURDAY 6 JULIE

Mill shut down early to enable Slezag erectors to fit in new scrap bins at Stand 7 shears during the week-end.

J. C. ANDREWE / A. C. NELSON

FUTURE MILL PROGRAMME:

Since Salzgitter have not previously produced small size rods

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