July 2014

Salzgitter Report

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check made with optical pyrometre gave the following readings
in round figures (Steel 0.08% Carbon, 0.35% Mn):

| Billlet Temp. Stand | 1 | 150 - 1175 °C | 2.108 |
| Stock | after Stand 7 | 1,000 °C | 1.830 |
| " | " | 975 °C | 1.785 |
| " | before " | 850 °C | 1.740 |
| " | after " | 1,025 °C | 1.875 |

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 piece.

(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 thru 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 3 JULY

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

J.C. ANDREWS/ A.C. NEILSON

FUTURE MILL PROGRAMME:

Since Salzgitter have not previously produced small size rods

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