

A LOCOMOTIVE COALING PLANT

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Image courtesy of "The Eagle"

(1) Machinery house. (2) Outer stairway. (3) Cable winding drums worked by (4) 30 horse-power electric motor fitted with magnetic brake. (5) Wagon cradle counterweights. (6) Hood. (7) Counterweight guides. (8) Hand winch for operating two-way flap. (9) Gallery. (10) Receiving bunker. (11) Two-way flap which can be operated to close the opening of one or other of the two storage bunkers, thus enabling coal to be shot into the one left open. (12) Gallery. (13) Bulkhead dividing storage bunkers. (14) Reinforced concrete structure. (15) Anti-breakage trunks. (16 & 17) Storage bunkers, each 75 tons capacity. These bunkers allow for two grades or qualities of coal to be stored ready for feeding to locomotives as required. (18) Hoisting cables. (19) Exterior gallery. (20) Water pipe connected to sprays for damping down coal dust during operations. (21) Coal being gravity fed to jig feeder. (22) 5 horse-power electric motors for operating jig feeders. (23) Three-way flap which can be controlled to regulate the feeding of coal to the tender. (24) Operating shaft and linkage for three-way flap. (25) Tender of locomotive on coaling road receiving supply of coal. (26) Meter automatically recording amount of coal supplied. (27) Operators' cabins. (28) Control cabin. (29) Coal wagon in position on cradle. (30) Cradle runways. (31) Wagon road. (32) Wagon cradle. The wagon is hoisted bodily upon this into hood (6) where it automatically tilts, tipping its contents into receiving bunker (10). (33) Concrete-lined pit.

