

Title (en)
 DEVICE ON A COAL CHARGING CAR FOR LIFTING COVERS FROM FILLING HOLE FRAMES IN THE FURNACE ROOF OF A COKE FURNACE AND FOR CLEANING THE FILLING HOLE FRAMES

Title (de)
 VORRICHTUNG AN EINEM KOHLEFÜLLWAGEN ZUM ABHEBEN VON DECKELN AUS FÜLLOCHRAHMEN IN DER OFENDECKE EINES KOKSOSENS UND REINIGEN DER FÜLLOCHRAHMEN

Title (fr)
 DISPOSITIF SUR CHARIOT DE REMPLISSAGE DE CHARBON DESTINÉ À SOULEVER DES COUVERCLES DE CADRES À TROUS DE REMPLISSAGE DANS LA VOÛTE D'UN FOUR À COKE ET À NETTOYER LES CADRES À TROUS DE REMPLISSAGE

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Abstract (en)
 [origin: CA2713851A1] The invention relates to a device on a coal charging car for lifting covers from filling hole frames in the furnace roof of a coke furnace and for cleaning the filling hole frames. The basic design of the device comprises a cover lifter (3) having a supporting arm (4) with a lifting magnet (5), a frame cleaner (6) having a supporting arm (4') with a cleaning head (7), and lifting devices (8, 8') for vertically adjusting the supporting arms (4, 4'). The cover lifter (3) and the frame cleaner (6) can be horizontally displaced by means of a travelling gear (12, 12') between an operating position (A) in which the lifting magnet (5) or the cleaning head (7) is aligned with a filling hole (13) in the furnace roof of the coke furnace, and a rest position (B) spaced apart from the filling hole. The device according to the invention is characterized in that the travelling gear (12, 12') comprises a travelling frame (15) which can be horizontally displaced on tracks (14) on the underside of the coal charging car along a first axis and a supporting frame (16) arranged inside the travelling frame (15), said supporting frame (16) being movably guided on the travelling frame along a second axis at a right angle to the direction of movement of the travelling frame (15), and the lifting devices (8, 8') for the cover lifter (3) and/or the frame cleaner (6) being arranged on the supporting frame.

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