

Title (en)
LEVELLING APPARATUS

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Application
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DE 3245552 A 19821209

Abstract (en)
[origin: US4491505A] A coal-leveling apparatus includes a leveling rod supported by a pressing machine for movement through a leveling opening into a mushroom-shaped gas-collecting space to level the coal charged in the coking chamber of a coke oven. The leveling rod includes a head element that carries two support members that can move on pivot levers between an operative position wherein the support members are extended from the head element for support by upwardly-inclined wall surfaces in the mushroom-shaped gas-collecting space. In the inoperative position, the support members are retracted toward both sides of the head element. An actuating rod extends through the leveling rod to the head element. In one embodiment, the actuating rod can be moved in opposite directions of its length. An end of each of the first pivot levers is connected to the actuating rod and the opposite ends of the first levers are connected to second pivot levers. The second pivot levers are connected at one end to the head element and carry the support members. The connection between the pivot levers and the actuating rod, in one embodiment, is by a pivot connection, and in another embodiment by rollers that can move along an inclined surface on an end of the actuating rod. In a third embodiment a nut is threadedly engaged with threads on the end portion of the actuating rod to move the levers.

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• [Y] DE 691364 C 19400524 - KOPPERS GMBH HEINRICH
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