

Title (en)

DEVICE FOR MOVEMENT IN STEPS OF A MANURE SCRAPER

Title (de)

VORRICHTUNG ZUR SCHRITTWEISEN BEWEGUNG EINES STALLDUNGSSCHABERS

Title (fr)

DISPOSITIF DE DEPLACEMENT PAS A PAS D'UN RACLOIR DE FUMIER

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Application

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Abstract (en)

[origin: WO03056906A1] This invention relates to a device for movement in steps of a manure scraper, the device comprising a carriage (1) that supports one or more floor scrapers which extends/extend out from the sides of the carriage (1), a drive rail (2) along which the carriage (1) is caused to move and which is connected to the carriage (1) by means of a carriage-mounted pawl (3) which is adapted for actuation by dogging means (6) disposed on the drive rail (2), whereby the pawl (3) is carried by a shaft (4) that includes shaft pivots (4.1) which are each disposed in a respective vertically extending elongate opening (5). The respective opening (5) to includes for the respective shaft pivot (4.1) abutment surfaces (5.1) that extend in two planes (P) which slope downwards and outwards at an angle (A) from each side of the upper portion of the respective opening (5). The connecting line between the point of contact of the pawl (3) on the drive rail (2) and the points of contact on the abutment surfaces (5.1) is directed towards the respective abutment surface (5.1) in a sector that lies above a normal (N) to the plane (P) through the abutment surface (5.1) at the respective contact point on the respective abutment surface (5.1).

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