

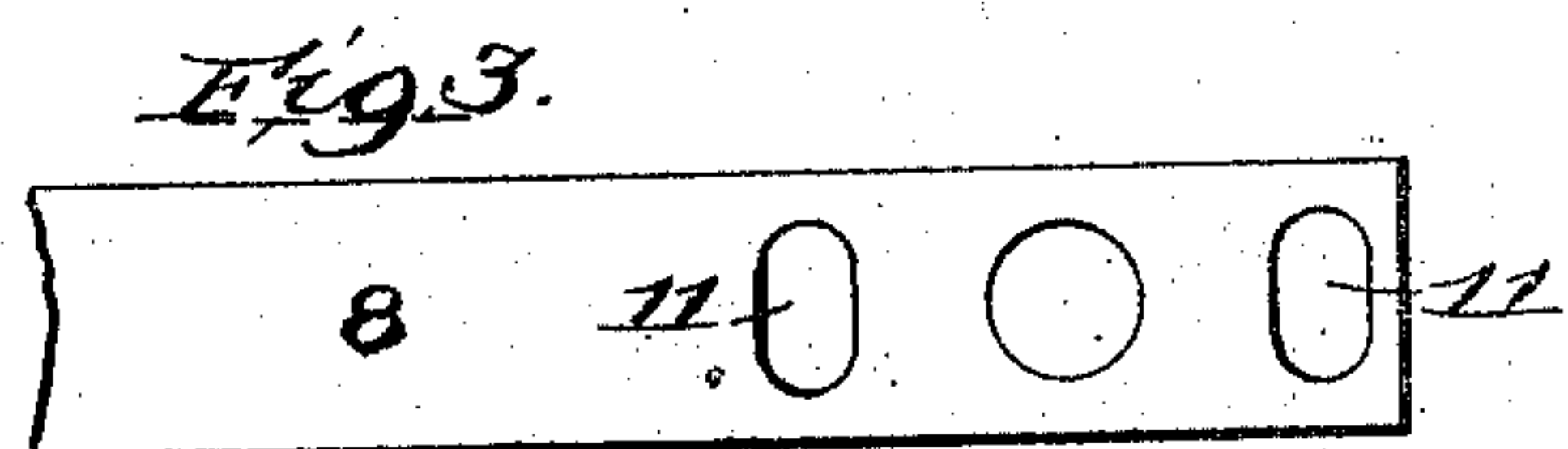
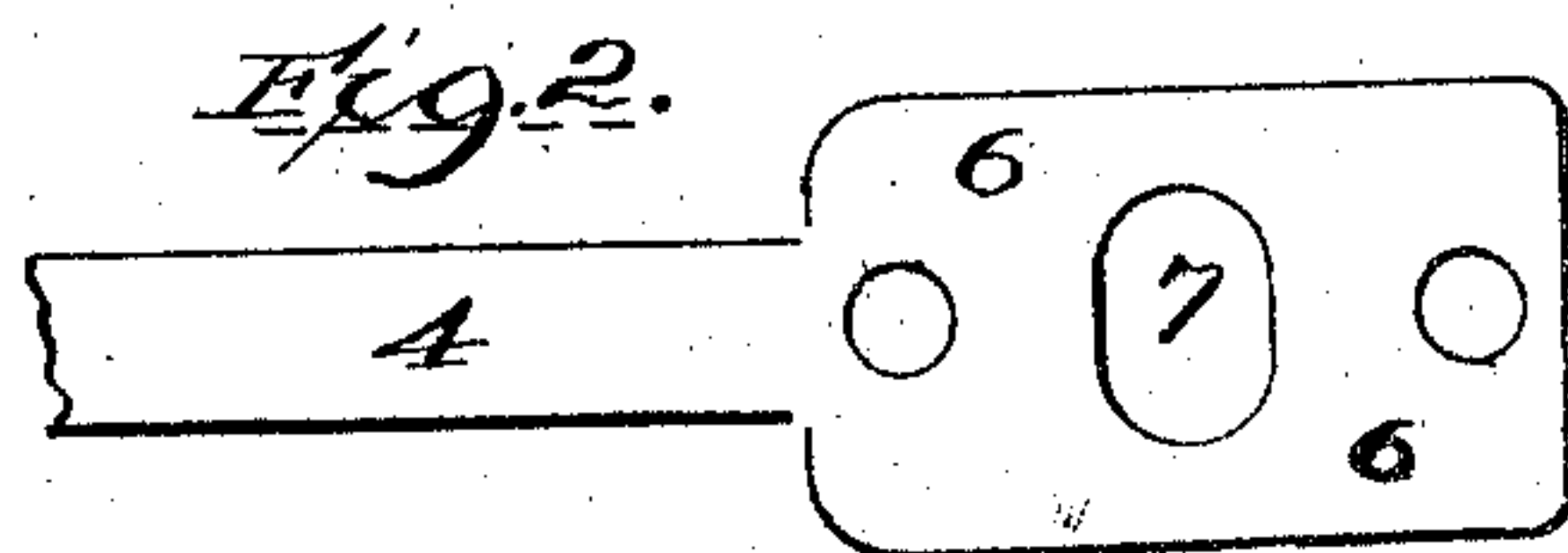
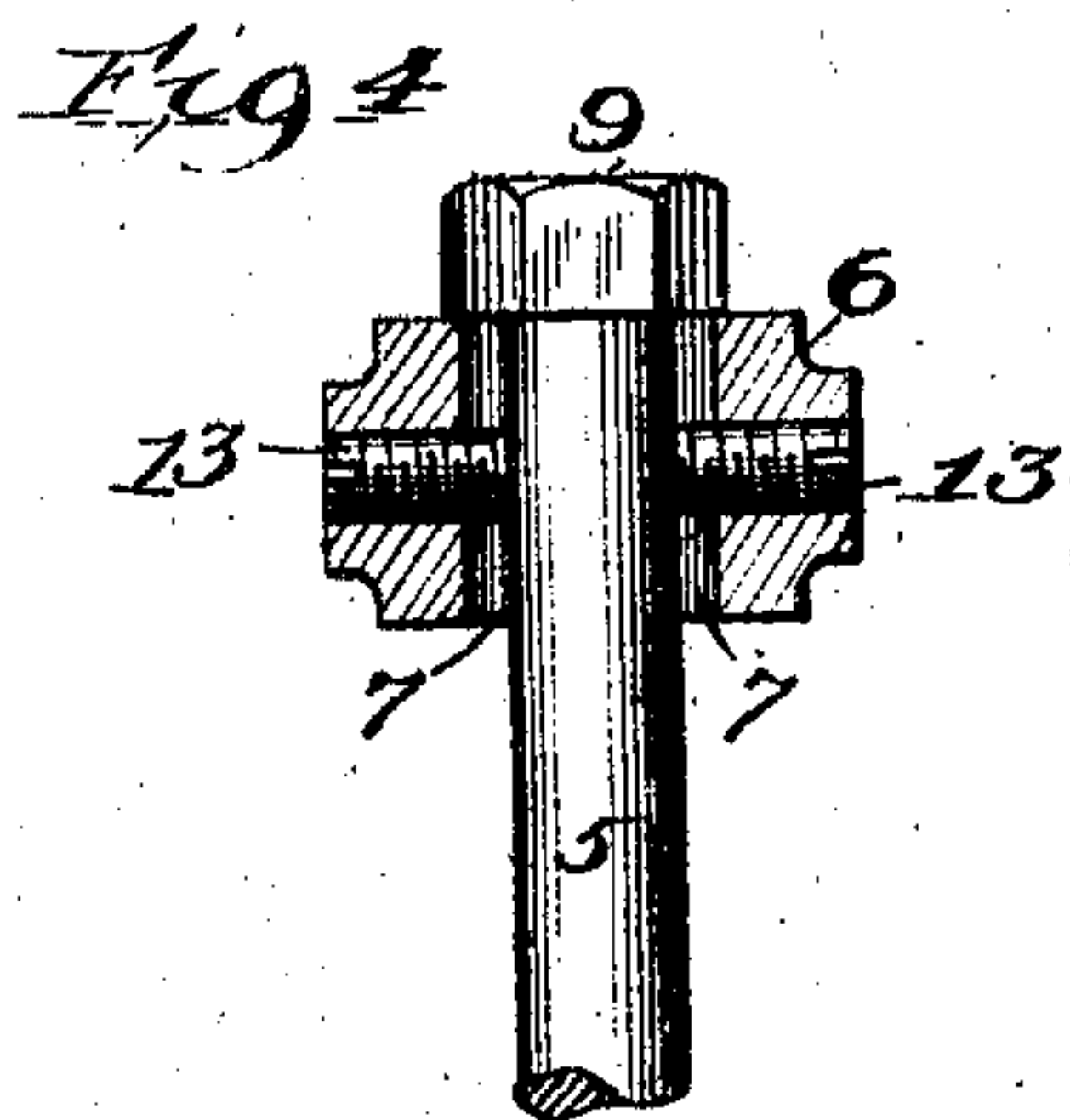
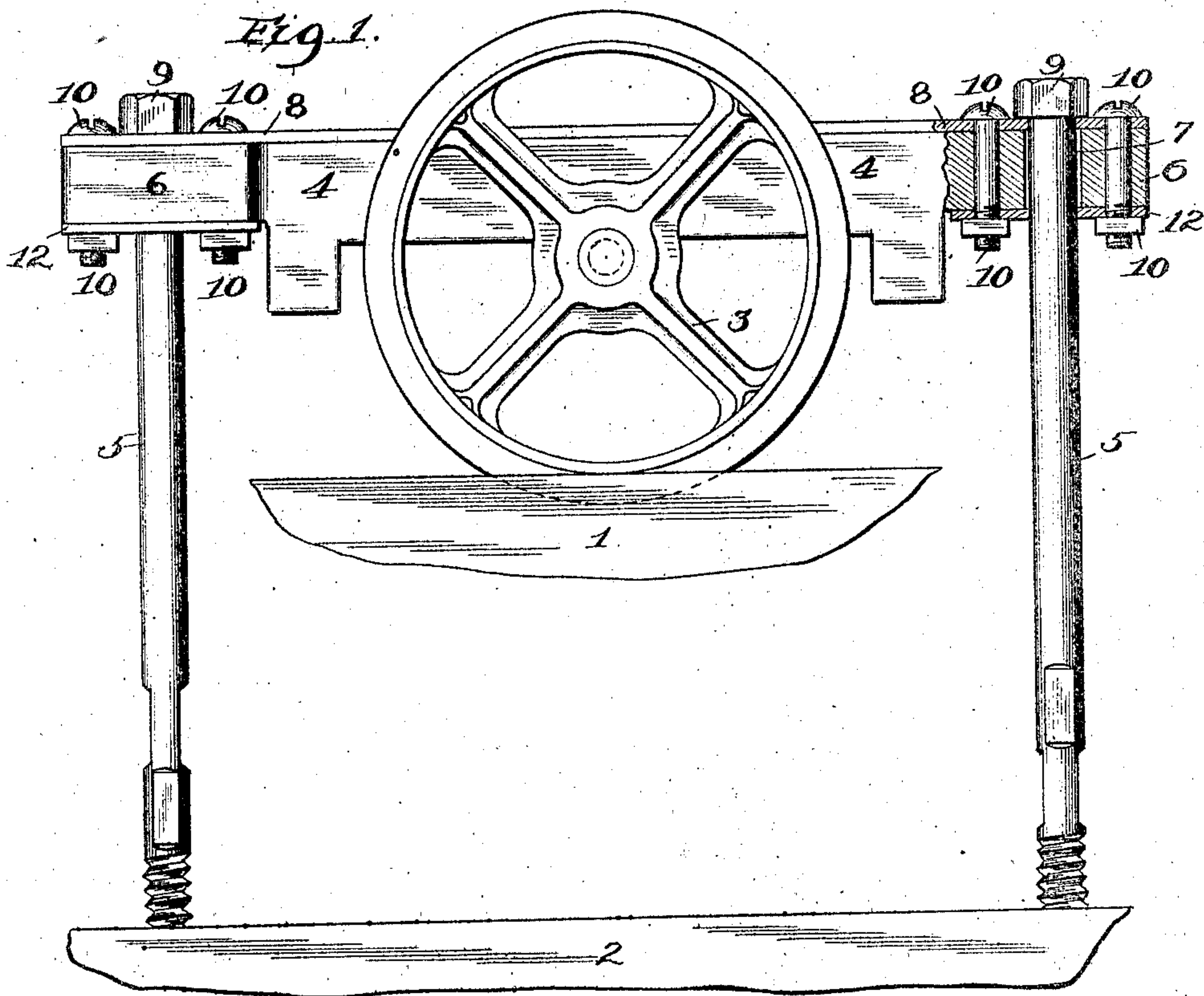
No. 628,910.

Patented July 11, 1899.

A. DOOLAN.  
SLIDING DOOR HANGER.

(Application filed Feb. 27, 1899.)

(No Model.)



*Attest:*

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# UNITED STATES PATENT OFFICE.

ALBERT DOOLAN, OF CHICAGO, ILLINOIS.

## SLIDING-DOOR HANGER.

SPECIFICATION forming part of Letters Patent No. 628,210, dated July 11, 1899.

Application filed February 27, 1899. Serial No. 707,070. (No model.)

*To all whom it may concern:*

Be it known that I, ALBERT DOOLAN, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Sliding-Door Hangers; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification.

The present invention relates more especially to that type of sliding-door hangers in which the horizontal rider-bar rests upon the axle of a pair of track-wheels which have movement upon a pair of overhead supporting-tracks, the sliding door and the rider-bars being connected together in adjustable relation by means of suspension rods or bolts.

The object of the present invention is to provide a simple, durable, and effective door-hanger construction in which means is provided for effecting a lateral adjustment of the suspension-rods with relation to the rider-bar to attain the proper and perfect alinement of the door with relation to the wall-pocket, tracks, &c., in a ready and convenient manner, all as will hereinafter more fully appear, and be more particularly pointed out in the claims. I attain such object by the construction and arrangement of parts illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation, partly in section, of a sliding-door hanger embodying the present invention; Fig. 2, a detail plan view of one end of the rider-bar; Fig. 3, a similar view of one end of the laterally-adjustable cap-plate of the rider-bar, and Fig. 4 a detail transverse section of a modification.

Similar numerals of reference indicate like parts in the different views.

Referring to the drawings, 1 represents a portion of the overhead tracks; 2, a portion of the sliding door; 3, the track-wheels; 4, the rider-bar, engaging the axle of the track-wheels, as usual, and 5 the suspension rods or bolts, connecting the respective ends of the rider-bar with the sliding door and in a fixed yet adjustable relation.

In the present invention the rider-bar is formed with enlarged ends 6, formed with enlarged vertical passages or orifices 7 for the passage of the vertical suspension-bolts 5,

which bolts are capable of independent lateral movement in said orifices, as hereinafter set forth.

8 is a cap-plate separate from the rider-bar 4 and arranged on top of the same, as shown. Such cap-plate is provided with orifices for receiving the shanks of the suspension-bolts 5, the heads 9 of which bolts are adapted to bear upon the upper surface of said plate. It is within the province of the present invention to make the said cap-plate as a single piece extending the full length of the rider-bar, as shown in Fig. 1, or to make it in independent sections, one for each suspension-rod, when the circumstances may so indicate.

10 are attaching-bolts by which the cap-plate 8 is attached in place upon the rider-bar, and in order to permit of a lateral adjustment of said cap-plate upon the rider-bar said cap-plate is formed with laterally-elongated orifices 11, that so engage the shanks of the attaching-bolts 10 as to permit of the desired lateral adjustment of the said cap-plate 8, and with it the suspension-rods 5 and the sliding door 2, in the operation of effecting the proper alinement of the various parts in hanging the door.

With the above-described construction the attaching-bolts 10 are unscrewed, so as to leave the cap-plate 8 free, when the desired lateral adjustment can be effected, after which said bolts are screwed up to clamp the parts to the required adjustment.

12 are washer-plates on the under side of the ends of the rider-bar and having a construction similar to that of the cap-plate 8, so as to be capable of lateral adjustment in unison therewith, and adapted to act in conjunction with such cap-plate in effecting a substantial attachment of the parts in their adjusted relation.

In the modification illustrated in Fig. 4 the enlarged ends 6 of the rider-bar are provided with a pair of oppositely-arranged lateral adjusting-screws 13, that are adapted to engage against opposite sides of the suspension-bolts 5 to effect the required lateral adjustment of the same within the laterally-elongated orifices 7 of the rider-bar.

Having thus fully described my said invention, what I claim as new, and desire to secure by Letters Patent, is—



1. In a double-track door-hanger, the combination of the pair of track-wheels, and suspension-rods, with a centrally-arranged rider-bar provided with enlarged ends that are formed with laterally-elongated orifices for the passage of the suspension-rods, and means for effecting a lateral adjustment of said rods within said orifices, substantially as set forth.

2. In a double-track door-hanger, the combination of the track-wheels, and suspension-rods, with a centrally-arranged rider-bar provided with enlarged ends that are formed with laterally-elongated orifices for the passage of the suspension-rods, and means for effecting a lateral adjustment of said rods within said orifices, the same comprising a cap-plate capable of lateral adjustment and attaching-bolts for securing the same in its adjusted position, substantially as set forth.

3. In a double-track door-hanger, the combination of the track-wheels, and suspension-rods, with a centrally-arranged rider-bar provided with enlarged ends that are formed with laterally-elongated orifices for the passage of the suspension-rods, and means for effecting a lateral adjustment of said rods within said orifices, the same comprising a cap-plate, and a washer-plate, both capable of lateral adjustment, and attaching-bolts for securing said cap and washer plates in their adjusted position, substantially as set forth.

In testimony whereof witness my hand this 23d day of February, 1899.

ALBERT DOOLAN.

In presence of—  
ROBERT BURNS,  
JAMES LAVALLIN