

J. CANEAVRI.
DOOR HANGER.
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1,060,318.

Patented Apr. 29, 1913.

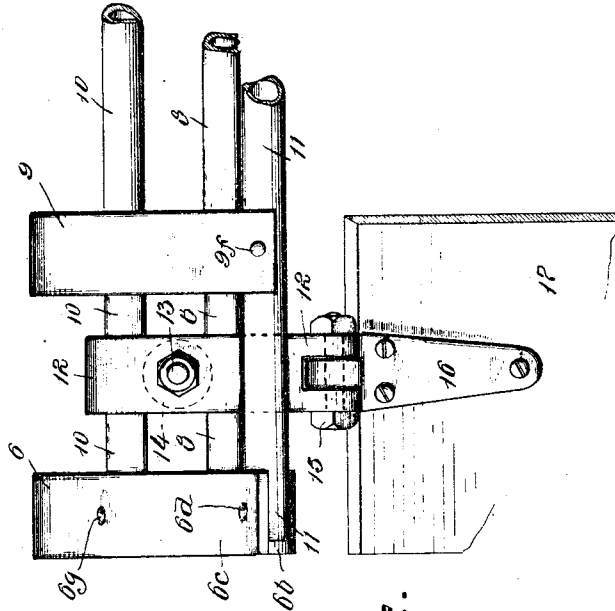


Fig. 1.

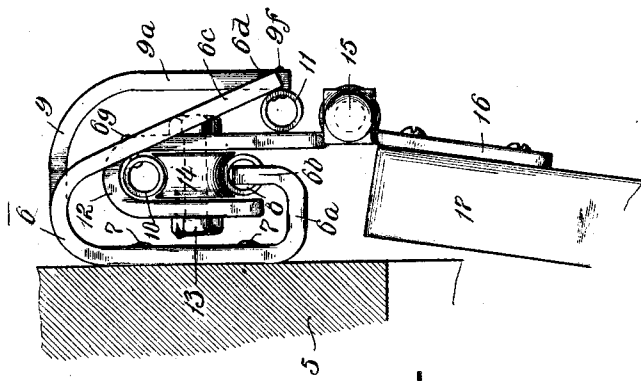


Fig. 2.

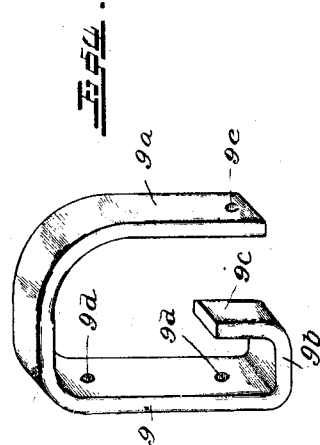


Fig. 3.

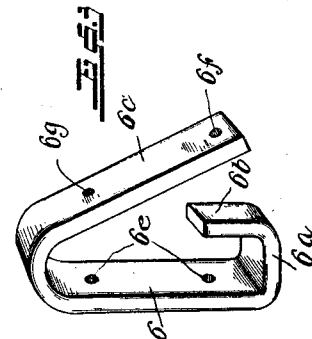


Fig. 4.

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JOSEPH CANNAVBI, OF PORT ARTHUR, TEXAS, ASSIGNOR OF ONE-HALF TO FREDERICK C. FISHER, OF PORT ARTHUR, TEXAS.

DOOR HANGER.

1,060,318.

Specification of Letters Patent.

Patented Apr. 29, 1913.

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To all whom it may concern:

Be it known that I, JOSEPH CANNAVBI, citizen of the United States, residing at Port Arthur, in the county of Jefferson and State of Texas, have invented certain new and useful Improvements in Door-Hangers, of which the following is a specification.

This invention relates to improvements in door hangers and especially of the type used for supporting and opening heavy doors, such as barn doors, freight car doors, and the like.

The especial object of my invention is to provide a door hanger of the class described, which will be strong, durable and efficient, that can be easily put up and taken down, and one that will not jump the track.

A further object of my invention is to provide a door hanger by means of which a door may be slidably supported upon a tubular track, in connection with supporting brackets which will prevent the hangers from jumping the track, and some of which will serve as stops to limit the movement of the door.

I attain the above objects by the device illustrated in the accompanying drawing, in which:—

Figure 1 is an end elevation of the upper portion of a sliding door, connected with a hanger, brackets and track, illustrating my invention; Fig. 2 is a front elevation of the parts shown in Fig. 1; Fig. 3 is a perspective view of one of the end brackets, and— Fig. 4 is a perspective view of one of the intermediate brackets.

Similar reference characters refer to similar parts throughout the several views.

The reference character 5 designates the top of a door frame to which are secured by means of screws 7, two end brackets 6, which are bent outwardly at right angles as at 6^a, and then upwardly to form the vertical bearings 6^b, which enter the slot in the under side of the tubular track 8. Only one of these end brackets is shown, but it will be understood that one will be placed at each end of the track. The upper portion of the bracket 6 is bent outwardly and downwardly to form the inclined wall 6^c. Intermediate these two brackets 6, are located at intervals, the brackets 9. These are similarly secured to the door frame 5, by screws passing through the screw holes 9^a. The straps forming the hangers 9 are bent at right

angles as at 9^b, then upwardly to form bearings 9^c which enter and support the said tubular track 8.

The front walls 6^d of the brackets 6 furnish supports for the tubular rails 10 and 11, which are secured to said brackets by suitable screws 6^e and 6^f. The upper portions of the brackets 9 are bent outwardly and then downwardly as at 9^b, so as to permit of the hanger passing unobstructedly along the track 8, and have secured to their outer ends the rail 11, by rivets 9^d which pass through suitable holes 9^e in the brackets and in corresponding holes in the rail 11. The hanger strap 12 passes up over the guide rail 10, and then down on the rear side and furnishes bearings for the spindle 13 on which the roller 14 is mounted. Said hanger member 12 also bears against the inner side of the rail 11, so that it is held against displacement by lateral movement. The member 12 has a hinge connection 15 with the apron 16 which is suitably secured to the door 17.

It will be seen that the end brackets 6 not only serve to support the track 8 and the rails 10 and 11, but they also act as stops at the end of the travel of the door, for, as will be seen from Fig. 1, the upper portion of the strap 12 will come in contact with the downwardly extending portion 6^c of the said brackets. It will also be apparent that the guide rail 10 will prevent the door from being derailed by any upward movement thereof. The hanger member 12 slides between the track 8 and the rail 11 and is held thereby against tilting inwardly or outwardly when the door is swung upon its hinged connections.

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

1. In a door hanger, the combination with a sliding door and its frame, of a track comprising a single tubular rail, brackets secured to the frame above the door, and supporting said rail, a hanger secured to the upper portion of the door, a roller suitably mounted in said hanger, a tubular guide rail supported by said brackets above said track and engaged by said roller, and a guide rail secured to the outer ends of said brackets.

2. Door supporting means comprising a hanger secured to a door and having a roller journaled therein, a series of brackets hav-

ing upturned inner ends and downwardly
extending outer ends, a track engaged and
supported by the inner ends of said brackets,
and a guide rail secured to the outer ends of
5 said brackets and adapted to limit the out-
ward movement of said hanger.

3. Door supporting means comprising a
hanger secured to a door and having a roller
10 journaled therein, a series of brackets hav-
ing upturned inner ends and downwardly
extending outer ends, a track engaged and
supported by the inner ends of said brackets,
a guide rail secured to the outer ends of said
brackets adapted to limit the outward move-
15 ment of said hanger, end brackets engaging
and supporting said track, and adapted to
serve as stops for said hanger, a guide rail
arranged above said track adapted to be

engaged by said roller, and secured to said
end brackets.

4. Door supporting means comprising a 20
tubular track, a tubular guide rail arranged
above said track, a tubular guide rail ar-
ranged in front of said track, means for
supporting said track and rails, and a door 25
hanger proper having a roller adapted to
travel on said track and engage said upper
guide rail, said hanger also adapted to en-
gage said front guide rail.

In testimony whereof I affix my signature 30
in the presence of two witnesses.

JOSEPH CANEAVR

Witnesses:

JOSEPH POLICE,
I. M. PEVEY.