M. E. HUNT.

ROLLING DOOR HANGER.

APPLICATION FILED SEPT. 30, 1907.

899,051.

Patented Sept. 22, 1908.

Fig. 1.

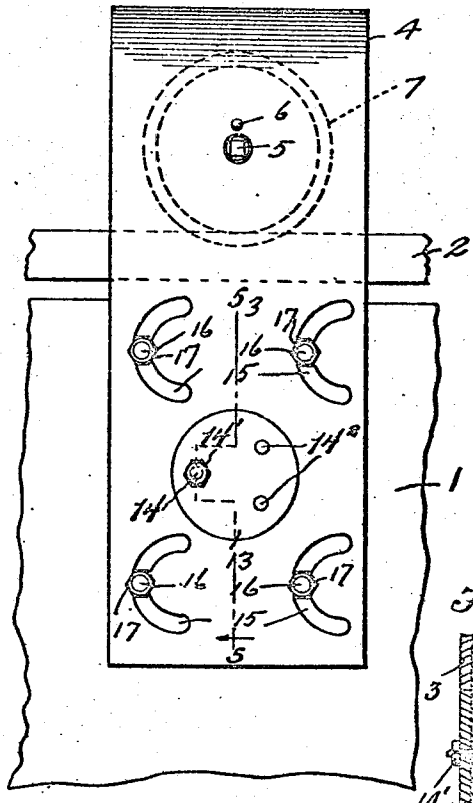


Fig. 2.

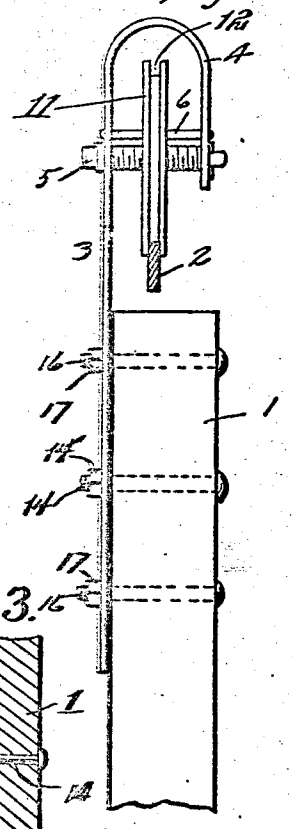
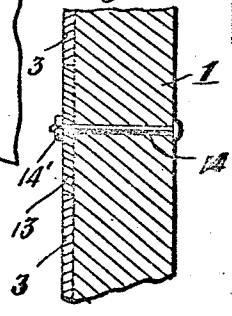


Fig. 3.



Witnesses

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MILTON E. HUNT, OF WATERVILLE, MAINE.

ROLLING-DOOR HANGER.

No. 899,051. Specification of Letters Patent. Patented Sept. 22, 1908.

Application filed September 30, 1907. Serial No. 395,178.

To all whom it may concern:

Be it known that I, MILTON E. HUNT, a citizen of the United States, residing at Waterville, in the county of Kennebec and State of Maine, have invented certain new and useful Improvements in Rolling-Door Hangers; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention has relation to new and useful improvements in rolling door hangers, and is especially designed as an improvement over the device for which Letters Patent were granted August 6, 1907, No. 862,561.

The principal object of the invention is to provide improved means for adjusting the door longitudinally with relation to the hanger so as to cause the lower edge thereof to be brought to the proper position, where it will neither bind, by reason of being too long, nor present a crack or space at the bottom, by reason of being too short; thus obviating the necessity of cutting off the door.

Another object is to provide means for adjusting the door laterally so as to throw it away from or toward the building without changing its support or affecting its operation thereon.

In the drawings,—Figure 1 is a front elevation of my improved hanger applied to the door; Fig. 2 is an end elevation thereof with the track or support shown in section; Fig. 3 is a cross sectional view, taken on the plane indicated by the dotted lines 5—5 of Fig. 1.

Referring to the drawings, which are for illustrative purposes only, and, therefore, are not drawn to any particular scale, 1 indicates a portion of the sliding or rolling door, and 2 a suitable support or track designed to be secured in any suitable manner to the building above the door.

The hanger frame, as a whole, is designated 3, and consists of a plate bent inwardly at its upper end, as at 4, to provide a casing or housing for the roller. The roller for the hanger is mounted in the upper end of this plate between the body and bent end thereof upon a shaft in the form of a bolt 5, extending through the body and bent end of the hanger and screwing through the hub of the roller, with the bolt head against the outer face of the body.

The hub member of the roller is fixed against rotation by a pin 6 passing through the body and bent portion of the hanger, and through the hub member, the ends of said pin being held in position by being riveted to the hanger member.

A particular feature of the invention resides in the arrangement for adjusting the hanger longitudinally or vertically relatively to the door. This adjustment is attained by providing the body of the hanger with a central opening 12′, of suitable dimensions, near its lower edge or end, in which opening is arranged a corresponding turning plate or member 13, eccentrically pivoted in position by a pivot member in the form of a bolt 14, passing through the door and turning plate, the bolt being such as to project beyond the turning plate to receive a clamping nut 14′, adapted to be screwed in clamping engagement with the turning plate to hold it against movement after the hanger has been properly adjusted. This turning plate is also provided with two oppositely disposed apertures or perforations 14^2, at suitable points, the purpose of which will be disclosed. A plurality of arc-shaped adjusting slots 15 are formed in the body of the hanger near and around the turning plate. These slots are preferably four in number, two being arranged in vertical alinement near one side edge of the hanger and two in vertical alinement near the opposite side edge of the same. Bolts 16 are arranged to extend through the upper portion of the door and said adjusting slots, and are such in length as to project beyond the outer face of the hanger to receive clamping nuts 17 adapted to be screwed in clamping engagement with the hanger to maintain it in fixed position relative to the door after it has been properly adjusted.

In practice, assuming it is desirous to lower the door, the nuts 14′ and 17, respectively, are unscrewed sufficiently to disengage them from the turning plate and hanger member, respectively, when the turning plate is swung to the right by a spanner wrench being engaged in its apertures or perforations 14^2, which operation causes the hanger to move vertically and laterally with respect to the door. After the hanger member has been properly adjusted, the nuts 14′ and 17 are again screwed in clamping engagement with the turning plate and hanger member, respectively, to maintain them in position.

Having described my invention, I claim:—

1. A door hanger comprising a hanger

member having a central opening near one end, a turning plate eccentrically pivoted in said opening, means for maintaining the door in an adjusted position, and means for permitting movement of the door relatively to the hanger member.

2. A door hanger of the character specified, adapted to be secured to a door and comprising a hanger member having an opening near its lower end, a supporting track, a roller carried by the hanger member and adapted to travel on the track, a turning plate eccentrically pivoted in the opening of the hanger member, means for maintaining the door in an adjusted position, and means for permitting relative movement of the door with the hanger member.

3. A door hanger comprising a hanger member adapted to be secured to a door, said member having an opening near its lower end, and a plurality of slots disposed in a common direction near said opening, a turning plate eccentrically pivoted in said opening, bolts extending through the door and the slots of the hanger member, and nuts screwing on said bolts and being adapted to clamp said hanger to the door.

4. A door hanger of the character specified, comprising a hanger member adapted to be secured to a door, said member having a circular opening near its lower end and a plurality of arc-shaped slots disposed in a common direction and being located adjacent to said opening at points directly opposite each other, a turning plate, eccentrically pivoted in said opening, bolts extending through the door and the slots of the hanger member, and nuts screwing on said bolts and being adapted to clamp said hanger to the door.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

MILTON E. HUNT.

Witnesses:
JOHN E. NELSON,
FRANK DAVIS.