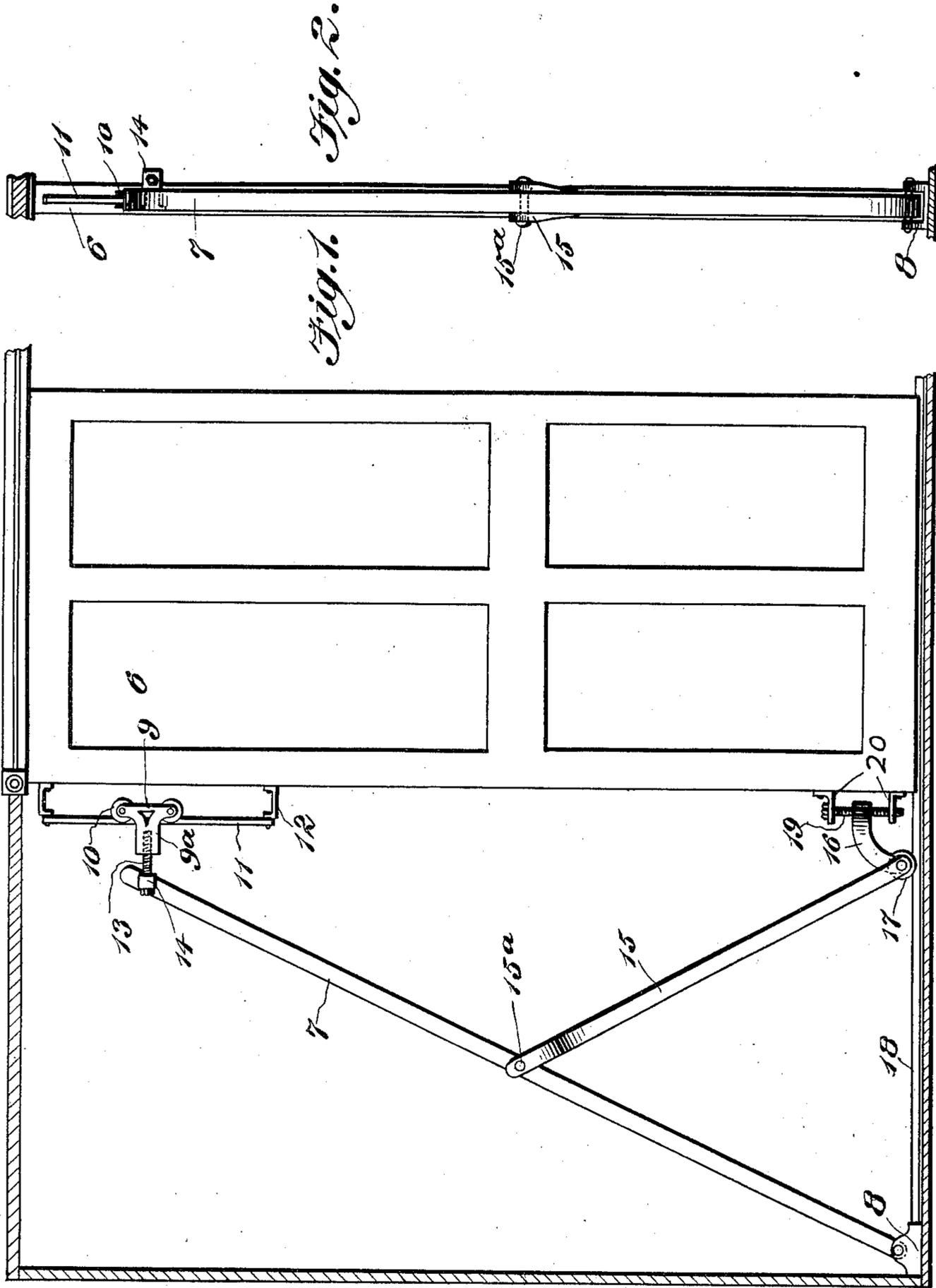


No. 736,510.

PATENTED AUG. 18, 1903.

J. A. EINFALT.
SLIDING DOOR HANGER.
APPLICATION FILED FEB. 3, 1903.

NO MODEL.



WITNESSES:

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JOHN ADAM EINFALT, OF ELKHORN, NEBRASKA.

SLIDING-DOOR HANGER.

SPECIFICATION forming part of Letters Patent No. 736,510, dated August 18, 1903.

Application filed February 3, 1903. Serial No. 141,655. (No model.)

To all whom it may concern:

Be it known that I, JOHN ADAM EINFALT, a citizen of the United States, residing at Elkhorn, in the county of Douglas and State of Nebraska, 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 invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

This invention relates to hangers for sliding doors by which such door is supported at the inner edge, avoiding the use of top hangers and track and also avoiding the opening or slot in the lintel of the door.

A further object of the invention is to produce a simple and effective hanger of the kind stated and one which will permit ready adjustment to locate a door at the proper height and otherwise adjust the same to the doorway.

In the accompanying drawings, Figure 1 is a side elevation of a sliding door and hanger embodying my invention. Fig. 2 is an edge view thereof.

Referring specifically to the drawings, 6 indicates a sliding door.

7 is a bar or lever which is pivoted at the bottom to a block 8, fastened to the floor at the back of the pocket into which the door slides. This bar is connected at its upper end to the rear edge of the door, at or near the top thereof, by means of a carriage 9, the wheels 10 of which travel vertically on a track 11, supported by brackets 12, fixed to the edge of the door. The carriage has a stem 9^a, having a screw-threaded bore which receives the adjusting-bolt 13, which passes loosely through a swiveling block 14 on the bar, whereby the bar and carriage are joined. The adjustment permitted by the bolt allows the door to be hung vertically. A bar connecting the lever with the bottom of the door is indicated at 15. This bar is half the length of the lever and is pivoted at 15^a to the middle thereof and at its lower end is pivotally joined to an arm 16, which forms the bottom support for the door. This arm has a roller 17, which travels on a track 18, secured to

the floor, and it is adjustable vertically on a screw-bolt 19, which extends through a threaded bore in the arm and is supported by brackets 20, fixed to the rear edge of the door, near the bottom thereof. The vertical adjustment permitted serves to regulate the height of the door, the lower edge of which is grooved to receive the track 18.

When the door is properly adjusted, it will be supported by the hanger and may be slid in or out, during which action the carriage 9 will travel vertically on the track 11 to take up and permit the resulting movement of the lever. Should the door bind or sag, it can be run out beyond the pocket in the partition and the adjusting-screws readily got at and fixed to correct the defect.

What I claim as new, and desire to secure by Letters Patent, is—

1. The combination with a sliding door, of a lever having a fixed pivot at its lower end, and a sliding connection at the other with the upper part of the door, a supporting-roller at the bottom of the door, and a connecting-bar between the lever and the lower end of the door.

2. The combination with a sliding door, of a lever pivoted to the floor, a connecting-bar pivoted to the lever and to the bottom of the door, and an adjustable traveling connection between the top of the lever and the top of the door.

3. The combination with a sliding door, of a vertically-adjustable supporting-roller at the back lower edge thereof, a lever having a fixed pivot at its lower end and a movable pivot connection at its upper end with the top of the door, and a connecting-bar between the lever and the bottom of the door.

4. The combination with a sliding door, of a lever having a fixed pivot at its lower end, a bar connecting the lever and the lower end of the door, a vertical track on the upper end of the door, a carriage traveling on said track, and an adjustable pivotal connection between the upper end of the lever and the carriage.

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

JOHN ADAM EINFALT.

Witnesses:

GOTTFRIED FRANK,
CHAS. WITTE.