

(No Model.)

W. M. BRINKERHOFF.

STAY ROLLER FOR SLIDING DOORS.

No. 295,345.

Patented Mar. 18, 1884.

Fig. 1.

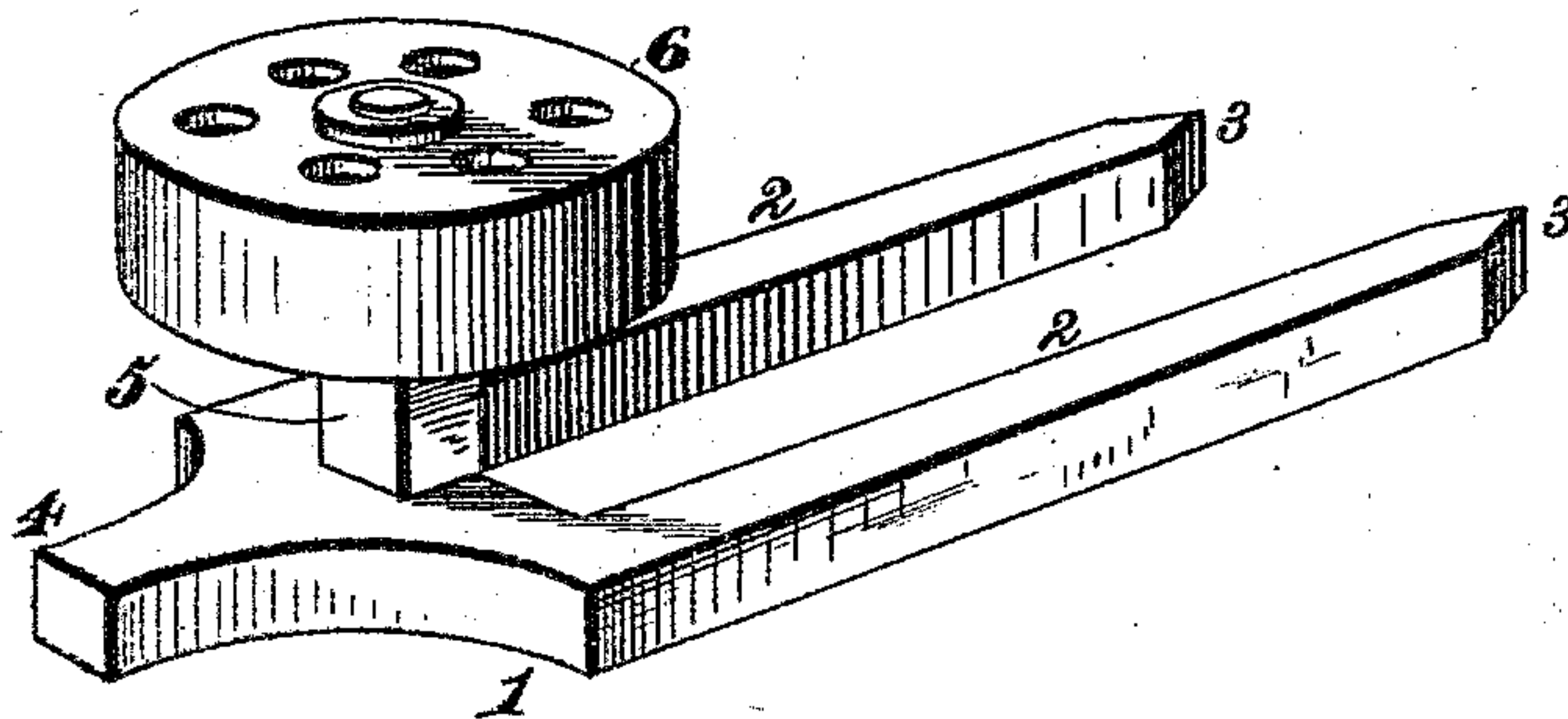
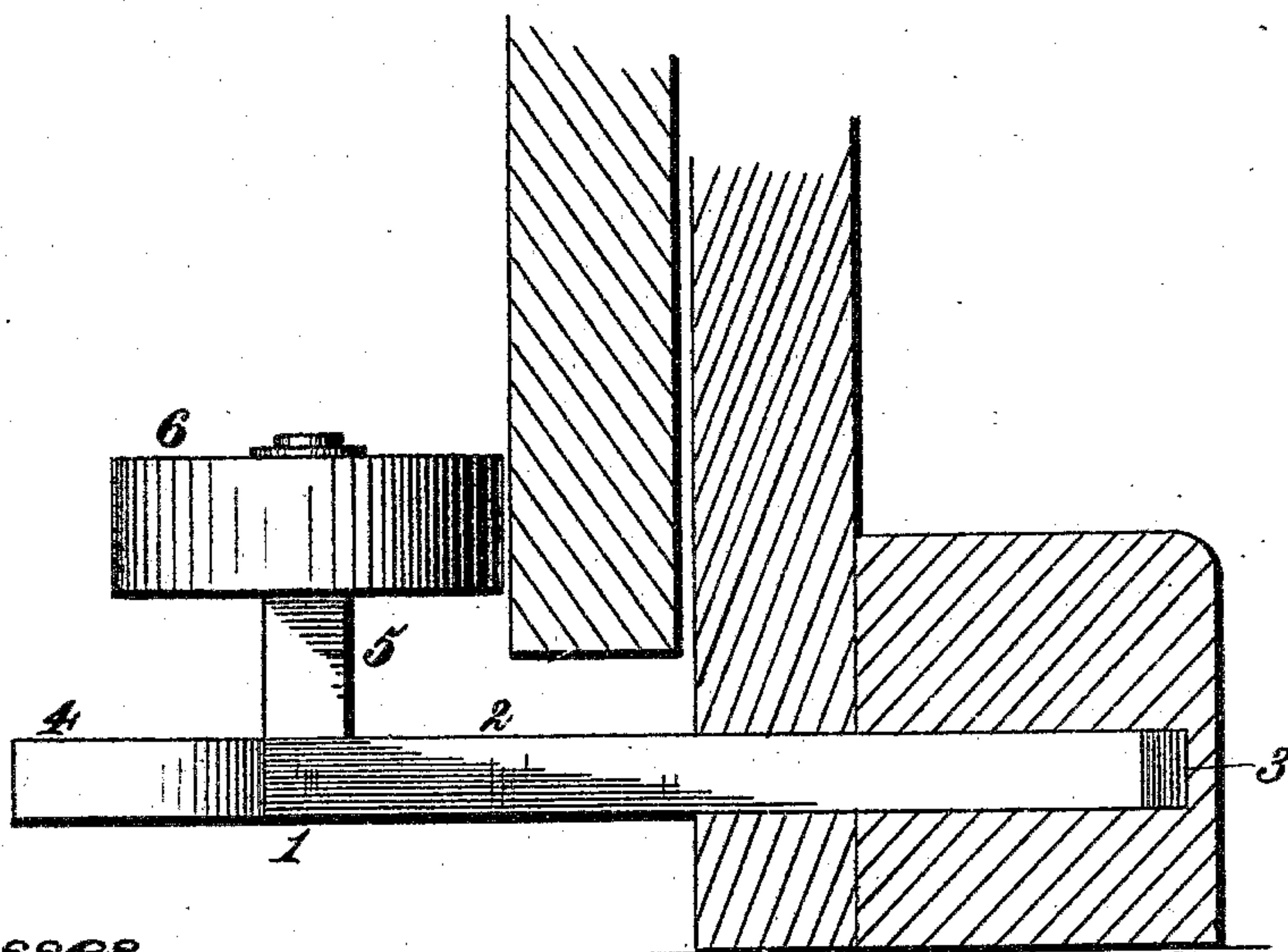


Fig. 2.



Witnesses,

Robert Everett,

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JEH

UNITED STATES PATENT OFFICE.

WARREN M. BRINKERHOFF, OF AUBURN, NEW YORK, ASSIGNOR OF ONE-HALF TO JACOB BRINKERHOFF, OF SAME PLACE.

STAY-ROLLER FOR SLIDING DOORS.

SPECIFICATION forming part of Letters Patent No. 295,345, dated March 18, 1884.

Application filed September 21, 1883. (No model.)

To all whom it may concern:

Be it known that I, WARREN M. BRINKERHOFF, a citizen of the United States, residing at Auburn, in the county of Cayuga and State of New York, have invented new and useful Improvements in Stay-Rollers for Sliding Doors, of which the following is a specification.

This invention relates to improvements in the stay-rollers for sliding doors for which Letters Patent No. 267,832 were issued to me November 21, 1882; and the object of my present invention is to provide a stay-roller support of novel construction, whereby the support cannot turn or rotate in the timber of the building, thus maintaining the stay-roller in proper position relative to the lower edge of the door, preventing the latter from swinging unduly in an outward direction.

Another object of the invention is to provide a stay-roller support of such construction that while it cannot turn or rotate in the timber of the building, I avoid the necessity of using the locking-plate and screws or other devices for securing such plate to a building which are requisite in the patent hereinbefore alluded to.

To these ends my invention consists in a stay-roller support having two or more shanks or prongs, so that when driven into the timber of a building to bring the stay-roller into proper position relative to the lower edge of a sliding door, the series of shanks counteract the tendency of the support to turn in any direction, thereby preserving the stay-roller in proper position to prevent outward swinging of the door.

In the accompanying drawings, illustrating my invention, Figure 1 represents a perspective view of a stay-roller constructed in accordance with my invention; and Fig. 2, a side elevation of the parts in position, portions of a sliding door and the wall of a building being shown in section.

Referring to the drawings, the number 1 indicates the body of the stay-roller support, which is constructed with two shanks or prongs, 2 2, preferably, but not necessarily, provided with pointed penetrating ends 3 3. The other end of the support is preferably in the form

of a narrow stem, 4, of less width than the body to reduce the quantity of metal and consequent weight and size of the device, and the body 1 carries a journal-arm, 5, arranged at right angles, or approximately so, thereto, on which arm is loosely arranged a stay-roller, 6, capable of freely rotating when the door moves against it. In practice the support is driven into the timber of a building by blows exerted on the end of the stem 4 until the stay-roller is brought to the distance required from the wall to permit the free sliding movement of the door between the roller and the wall, the roller acting as a guide and preventing the door from swinging unduly away from the building, while the series of shanks counteract any tendency of the support to turn or rotate by the constant pressure of the sliding door on the roller.

I have shown the series of shanks or prongs as projecting from the body portion parallel to each other; but I do not wish to be understood as confining myself to such arrangement, as the shanks or prongs may be variously arranged; nor do I confine myself to the employment of two shanks or prongs, as shown, as obviously the number may be increased, the only requisite being that two or more be used, so that they will counteract the tendency of the support to turn, whereby the stay-roller is under all circumstances maintained in proper position relative to the door, and serves as a guard to prevent undue outward movement of the door at its lower end.

I have shown the journal-arm as carried by the body portion 1; but such is not essential, as it may be arranged further outward to project from the stem, and, in fact, the body 1 of the support may be constructed in other form than that shown, it being only necessary to provide means for carrying the journal-arm for the stay-roller.

It will be obvious that instead of making the series of shanks square in cross-section they may be circular or of any other suitable shape.

Having thus described my invention, what I claim is—

1. A stay-roller support for sliding doors,

having two or more shanks or prongs for preventing the support from turning, substantially as described.

2. A stay-roller support for sliding doors,
5 having two or more shanks or prongs, a journal-arm, a loosely-journaled roller on said arm, and a stem or projection for driving the support, substantially as described.

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

WARREN M. BRINKERHOFF. [L. s.]

Witnesses:

CHAS. O'BRIEN,
HENRY O'BRIEN.