(No Model.)

A. B. MATTOON.

STAY ROLLER FOR SLIDING DOORS.

No. 307,131. Patented Oct. 28, 1884.

Fig. 1.

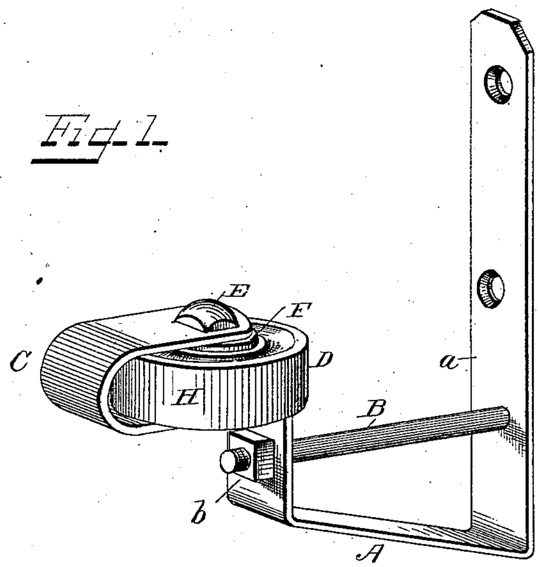


Fig. 2.

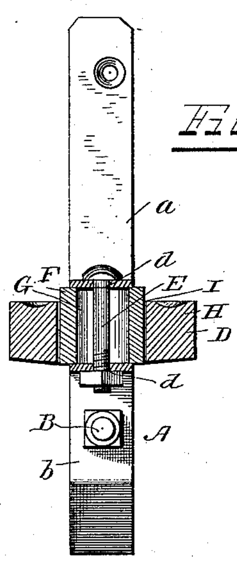
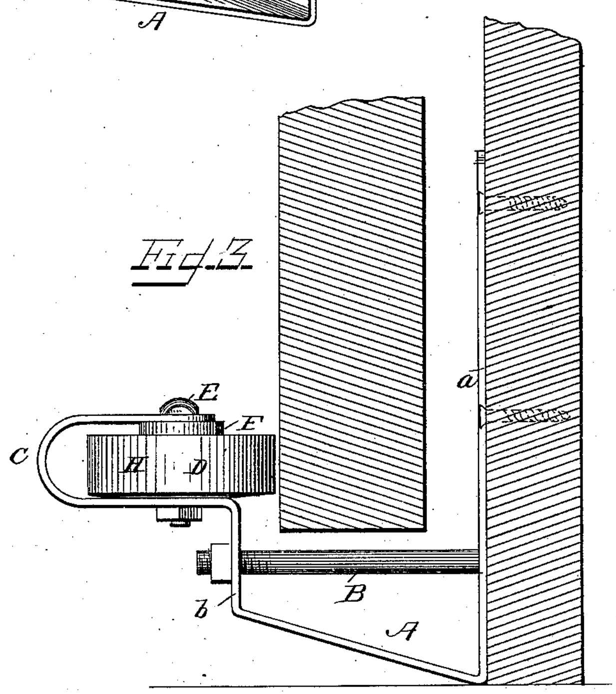


Fig. 3.



WITNESSES

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ALFRED B. MATTOON, OF OWASCO, NEW YORK, ASSIGNOR OF ONE-HALF TO DOR HEALD, OF SAME PLACE.

STAY-ROLLER FOR SLIDING DOORS.

SPECIFICATION forming part of Letters Patent No. 307,131, dated October 28, 1884.

Application filed March 15, 1884. (No model.)

To all whom it may concern:

Be it known that I, ALFRED B. MATTOON, a citizen of the United States, residing at Owasco, in the county of Cayuga and State of New York, have invented a new and useful Stay-Roller for Sliding Doors, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to improvements in stay-rollers for sliding doors; and it has for its object to provide a device of this character which shall be cheap and simple in its construction, and durable in its use, and, further, to provide a device of this character which may be readily attached to or detached from a building.

The invention consists in the improved construction and combinations of parts, hereinafter fully described, and pointed out in the claims.

In the drawings, Figure 1 is a perspective view illustrating my invention. Fig. 2 is a cross-section of Fig. 1, and Fig. 3 is an elevation showing my improvement applied.

In the accompanying drawings, in which like letters refer to corresponding parts throughout the several figures, A represents the shank or supporting-frame for the stay-roller. This supporting-frame A consists of a vertical portion or strip, *a*, which is provided with holes or eyes for the passage of screws for its attachment. This portion *a* is bent outwardly at its lower end, and slightly inclined, from whence it is bent at an angle to form a strip or portion, *b*, which is provided with a perforation for the passage of a suitable bracing bolt or bar, B. This bar B is secured at its lower end to the vertical portion or strip *a*, and serves to firmly brace and keep in position the angular portion *b*. This angular portion *b* is then bent upwardly and downwardly to form a U-shaped loop, C, within which is mounted the stay-roller D, in the following manner: Near the lower end of the loop C are provided perforations or openings, *d*, through which pass a transverse bolt, E. Upon this transverse bolt E is mounted a shaft, F, which is provided with an elongated slot, G, so that the shaft may be adjusted at any point in said slot by inserting the bolt and tightening the same by means of a nut. Upon this shaft F is mounted the stay-roller H, which is provided with an enlarged opening, I.

It will be seen that by the construction above described the roller may be adjusted so as to render the frictional contact with a door as great or little as may be desired or found necessary to the proper working of the roller. It will also be seen that any wear may be easily and readily compensated for with but little trouble in adjusting the parts.

In the application of the above-described device the vertical portion or strip *a* is secured to the timber of a building adjacent to the sliding door, so that the roller comes in contact with the lower outer edge thereof, and serves to securely retain the door in contact with the side of a building, or as close thereto as is necessary to insure the proper and easy sliding of the door.

It will be obvious that a roller constructed and mounted as above described is of simple construction, and that the same is thoroughly braced to prevent accidental displacement or detachment of the parts.

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

1. A supporting-frame for sliding-door rollers, consisting of a vertical strip bent outwardly at its lower end and then upwardly, the end being formed with a horizontal loop for the support of the roller, and a bracing-rod located adjacent to said loop, its other end being connected with the vertical attaching-strip, substantially as set forth.

2. A roller for sliding doors, consisting of an inner shaft or core provided with an elongated slot, and an outer ring or roller adapted to revolve upon said shaft or core, substantially as set forth.

3. The combination, with a supporting-frame consisting of a vertical strip bent outwardly at its lower end and then upwardly, and provided at its extremity with a horizontal U-shaped loop, said frame being suitably braced and provided with means for attachment, of a shaft mounted upon a transverse bolt of said horizontal U-shaped loop, said shaft having an elongated slot, and roller mounted on said shaft to revolve thereon, substantially as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

ALFRED B. MATTOON.

Witnesses:
DOR HEALD,
W. H. CURTIN.