(No Model.)

W. CRONK.

STAY ROLLER FOR SLIDING DOORS.

No. 288,980. Patented Nov. 27, 1883.

Fig. 1

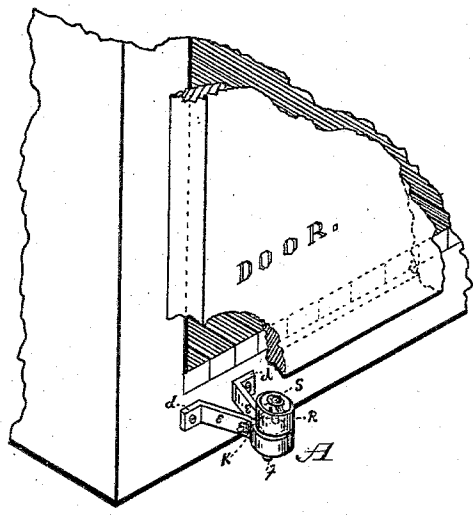


Fig. 2

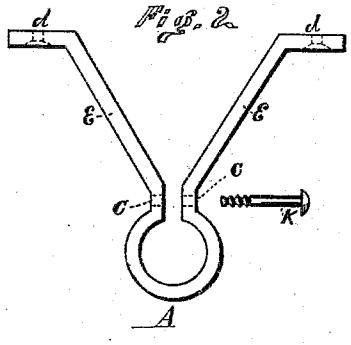


Fig. 3

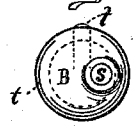
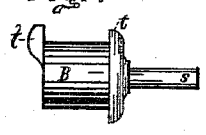


Fig. 4



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UNITED STATES PATENT OFFICE.

WILLIAM CRONK, OF HAVANA, NEW YORK.

STAY-ROLLER FOR SLIDING DOORS.

SPECIFICATION forming part of Letters Patent No. 288,980, dated November 27, 1883.

Application filed March 29, 1883. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM CRONK, a citizen of the United States, residing at Havana, in the county of Schuyler and State of New York, have invented a new and useful Improvement in Door-Stay Rollers; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures marked thereon.

Figure 1 is a perspective view of entire device, showing a section of door and mode of fastening. Fig. 2 is a detail plan view of the frame or support to roller. Figs. 3 and 4 are detail plan and vertical views of the roller-stud.

The present invention has relation to certain new and useful improvements in that class of rollers employed for guiding the bottom of sliding doors; and the invention consists in the manner of construction, as illustrated in the drawings, and hereinafter claimed.

In the accompanying drawings, Fig. 2, A represents the frame or support, made of one continuous strap of wrought-iron, formed in its center in a circle corresponding in diameter, and to nearly encircle the stud B, and provided with a hole, C, near either terminus of such circle, while the remaining portions, *e e*, of the strap A are bent outward, yet bracing toward each other, and, to form the attaching ends *d d* on a like plane, having countersunk holes by which to fasten the ends to a barn or other support.

B represents the cylindrical roller-stud, corresponding in diameter to the circle in the frame A, provided with a projection, *f*, at its lower end, and an encircling-flange, *t*, near its center, while its upper portion, S, eccentrically located, yet within radii of the part B, and at right angles to projection *f*, has the roller R journaled thereon, and made to stay by slipping on a washer and upsetting the free end of stud.

By tightening the bolt K, which passes through the holes C C in the frame A, the stud B can be clamped and held in any desired position. Thus the portion S, being a part thereof carrying the roller R, can be stayed in any point of its revolution around the axis of the part B, thereby to a degree regulating its distance from the attaching ends.

I am aware that door-stays have been made having a longitudinal adjusting-stud. Such I do not claim; but

What I do claim is—

1. In a door-stay roller, the combination of the wrought-iron strap A, made in one continuous piece, and curved at its center to form a circular support, and its ends bent at right angles to form flat bearings for attachment, the bolt K passing through the strap, and the flanged stud B of the roller-pintle, all as and for the purpose specified.

2. The improved stay-roll for sliding doors, consisting in the combination of the frame A, having arms *e d* at its attaching end, clamping-circle at its opposite end, holes C C for the clamping-bolt K, and the stud B, having eccentric stud S, carrying roller R, stud B, pivoted within the circle at free end of frame A, substantially as and for the purpose set forth.

WILLIAM CRONK.

Witnesses:
EMMET HORTON,
F. P. BUTTS.