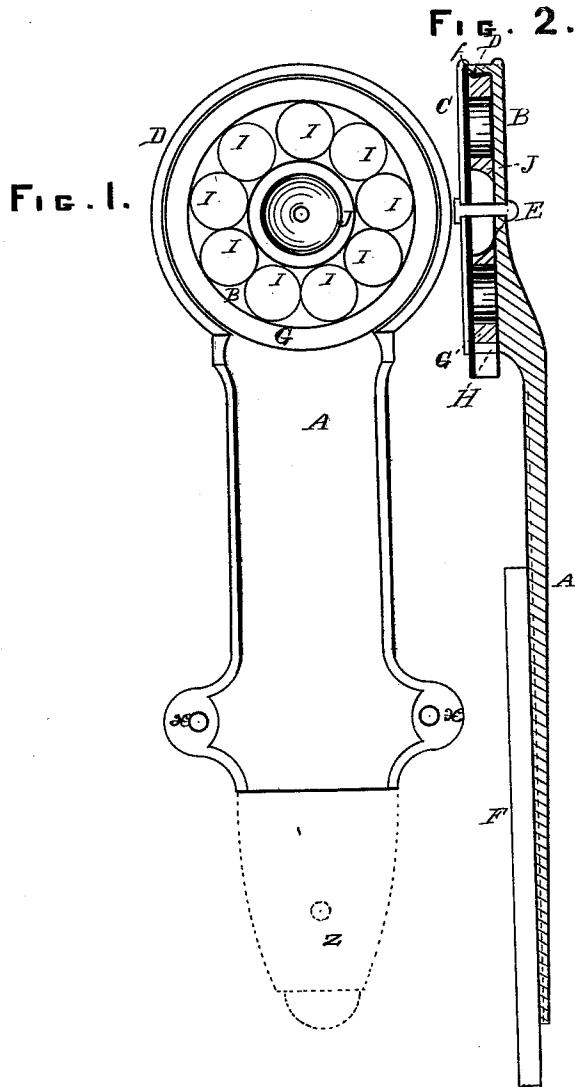


R. L. GLENN.
DOOR-HANGER

No. 175,243.

Patented March 28, 1876.



ATTEST:
W. M. Shepard
O. H. Adix.

INVENTOR:
Robert L. Glenn
By G. H. Chapin,
Atty.

UNITED STATES PATENT OFFICE.

ROBERT L. GLENN, OF ST. CHARLES, ASSIGNOR OF ONE-HALF HIS RIGHT
TO SOLOMON L. BIGNALL, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN DOOR-HANGERS.

Specification forming part of Letters Patent No. **175,243**, dated March 28, 1876; application filed
January 26, 1876.

To all whom it may concern:

Be it known that I, ROBERT L. GLENN, of St. Charles, in the county of Kane and State of Illinois, have invented a new and useful Improvement in Barn-Door Hangers, of which the following is a specification:

The present invention relates to that class of hangers which are to be secured to the upper ends of sliding doors, and obviate friction by supporting the doors on an upper track. Its nature consists in an attaching-plate, which supports a case, in which are placed a series of anti-friction rollers, which travel round an inner circular track, and round which rotates a detachable ring, traveling on a track and supporting the weight of the door. The rollers and ring are securely incased, except so much of the lower periphery of the ring as may be necessary to bear on the track.

In the drawings, Figure 1 is an elevation of the hanger with the cap-plate removed to show the construction inside; Fig. 2, a vertical central section of the hanger in position, and section of track.

A represents the shank or strap of the hanger, which is provided with holes *x*, in the ordinary manner, for fastening it to a door, F. It may be extended, as shown by dotted lines *z*, where greater strength is required. The top end of this strap is provided with a disk, B, surrounded by a rim, D, except at the bot-

tom the rim is cut away to allow the track H to come in contact with a ring, G, and it has projecting inwardly an annular bearing, J. Inside of the rim D is placed an annular ring, G, and between the ring G and the bearing J are placed anti-friction rollers I, so as to travel freely round the bearing J. Over these rollers and ring is placed a cap, C, which is fastened by means of a screw-bolt, E. The shank A is fastened to a door, F, in the ordinary manner, and the ring is placed on the track H and travels thereon. The shank or strap A on one side of the track, and the cap C projecting over the opposite side, prevent the ring from getting out of place.

I know that anti-friction rollers have been before used; I therefore confine myself to the following specific claim.

I claim and desire to secure by Letters Patent—

The combination of the detachable ring G, rollers I, annular center J, shank A, case B *c* D, the cap C projecting down against the track H to keep the ring in place on the track, all substantially as set forth, for the purpose specified.

ROBERT L. GLENN.

Witnesses:

G. L. CHAPIN,
O. H. ADIX.