

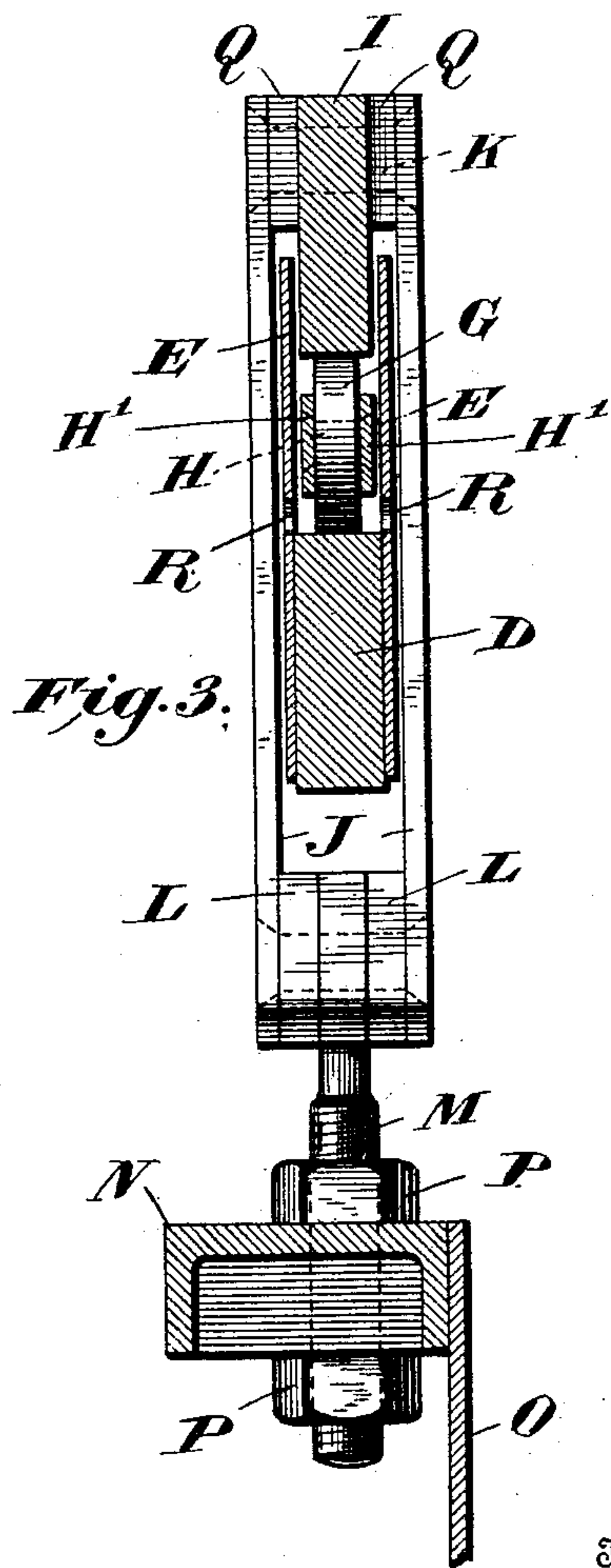
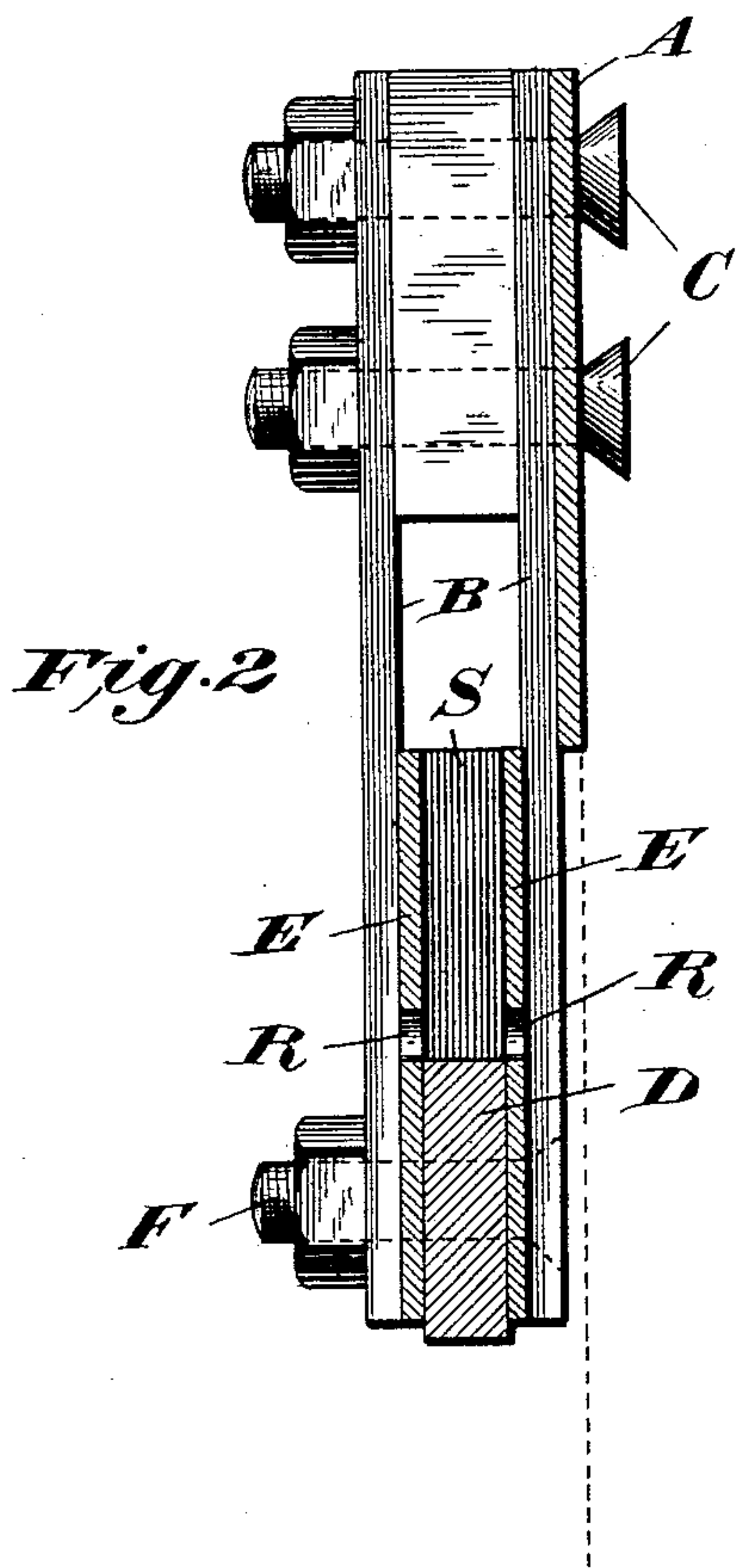
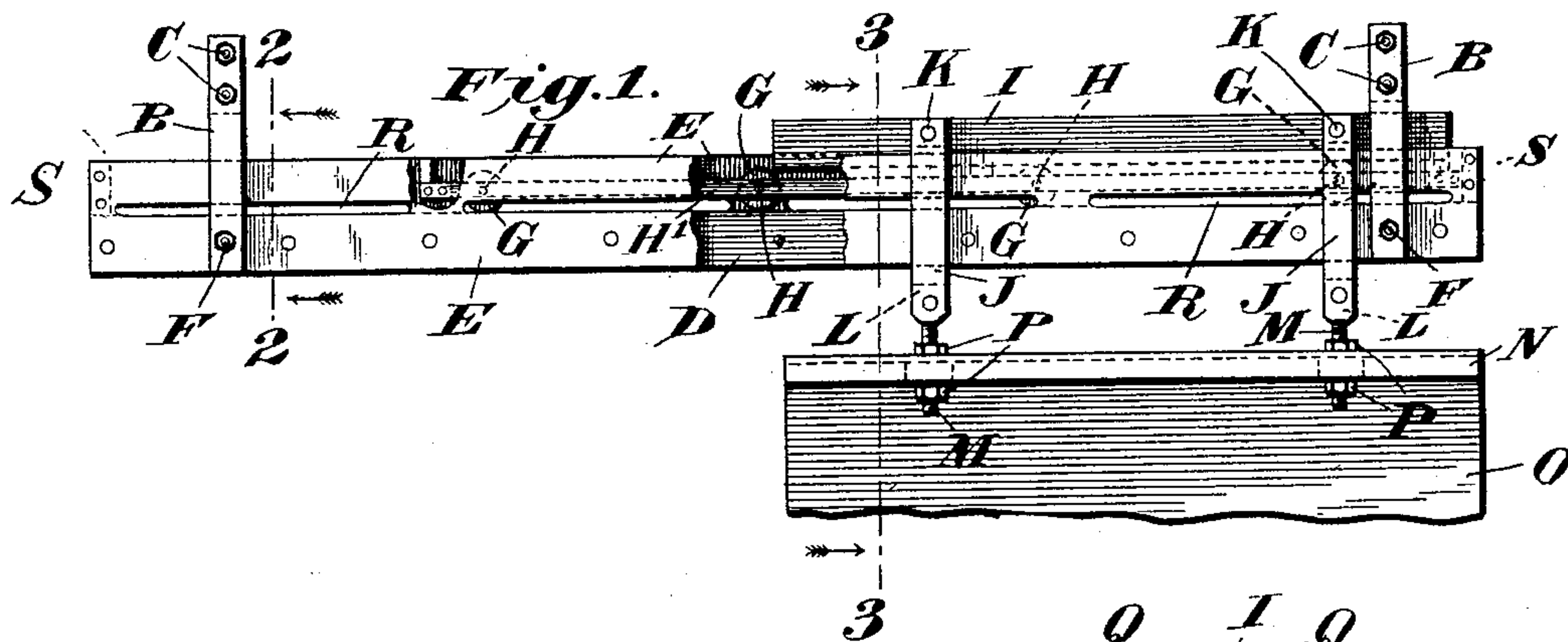
No. 750,589.

PATENTED JAN. 26, 1904.

F. A. BURDETT.  
DOOR HANGER.

APPLICATION FILED DEC. 18, 1902.

NO MODEL.



Witnesses

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# UNITED STATES PATENT OFFICE.

FREDERICK A. BURDETT, OF NEW YORK, N. Y.

## DOOR-HANGER.

SPECIFICATION forming part of Letters Patent No. 750,589, dated January 26, 1904.

Application filed December 18, 1902. Serial No. 135,786. (No model.)

*To all whom it may concern:*

Be it known that I, FREDERICK A. BURDETT, a citizen of the United States, and a resident of New York city, in the State of New York, have invented certain new and useful Improvements in Hangers for Sliding Doors, of which the following is a specification.

This invention relates to hangers for sliding doors, and especially to that class of hangers known as "trolleys" for supporting those sliding doors which are hung from above, such doors being in almost universal use in elevators and in general use wherever a sliding door is desired.

The object of the invention is to provide an improved hanger or trolley for such suspended doors which shall be simple and economical in construction, easy in operation, and strong and durable.

With this object in view the invention consists in the improved construction, arrangement, and combination of parts hereinafter fully described and afterward specifically claimed.

In the accompanying drawings, in which I have illustrated a construction embodying my invention, Figure 1 represents in front elevation part of a door and its supports, parts being broken away. Fig. 2 is a cross-sectional view taken on the line 2 2 of Fig. 1. Fig. 3 represents a sectional view on the broken line 3 3 of Fig. 1.

Like letters of reference mark the same parts in all of the figures.

Referring to the drawings by letters, A indicates any stationary part to which are secured straps or hangers B by means of bolts C, said hangers being in pairs which at their lower ends embrace a bar D and side pieces E E, the hangers being secured by bolts F, which pass through the bars and side pieces.

G indicates disks or rollers which rest on the bar D and are mounted in a frame composed of bars H' and pins H, which serve as axes for the disks, the frame being freely movable with the disks and serving only to maintain the disks at proper distances apart,

the plates H' being held apart to prevent them from clamping the disks by any suitable separating-pieces.

Above and in the same vertical plane with the bar D and disk G is a bar I, which is supported on the disks.

Straps or hangers J are secured to the bar I by bolts K, said straps being in pairs and embracing the supporting-bar D and extending below it, where a block L is secured between the straps of each pair, from which blocks rods M centrally depend and are passed through a horizontal flange N on the upper edge of the door O, being adjustably secured by nuts P, threaded on the rods above and below the flange N.

Suitable spacing blocks or washers Q are used to properly center the bar I over bar D and the disk.

The weight of the door being wholly supported on the disks relieves the pins H or axles therefrom and renders them free to turn on their journals in the frame H'. When the door is moved, the disks ride freely on the bar D as the bar I moves on the top of the disks. The disks act as antifriction-rollers. The door is limited in its movement by the hangers B, which serve as stops when struck by the hangers J.

The side pieces E may be slotted, as at R, serving to lighten them and as escape-passages for dust or dirt on bar D.

Pieces S at the ends of bar D serve as stops to limit the movement of the disks.

When these hangers or supports are used for the doors of elevator-cushions, the track will usually be inclined, so that the doors will close by gravity.

While I have specifically described the construction of the various parts, I desire it to be understood that slight changes or modifications might be made therein without departing from the spirit and scope of the invention.

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

In supports for sliding doors the combina-

tion of a horizontal bar or track, side pieces  
thereon, disks resting on the bar between the  
side pieces, an upper horizontal bar resting  
on the disks, straps depending from the up-  
5 per bar, and embracing the track-bar and  
side pieces, a door suspended from the upper  
bar, and hangers secured to and supporting  
the track-bar and serving as stops to limit the

sliding movement of the door, substantially  
as described. 10

In testimony whereof I affix my signature.

FREDERICK A. BURDETT.

In presence of—

J. E. GASSIN,

R. S. THOMPSON.