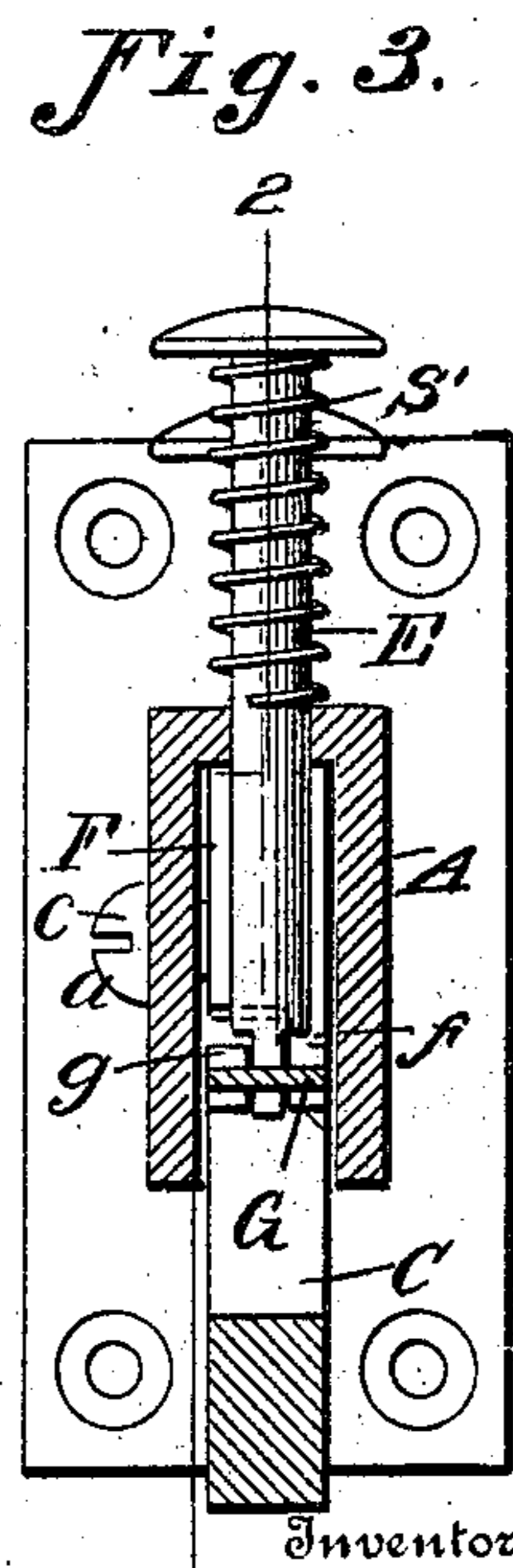
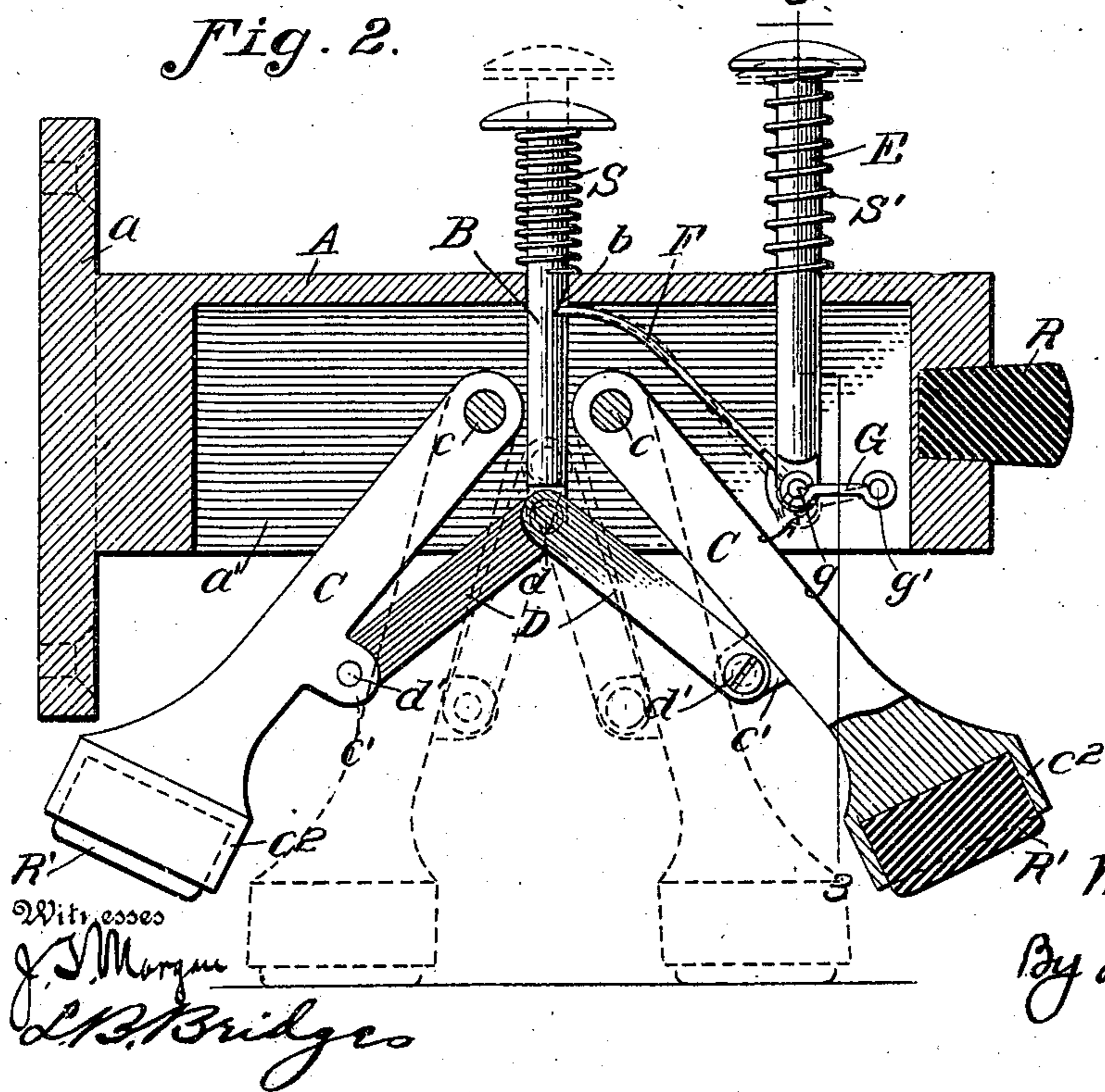
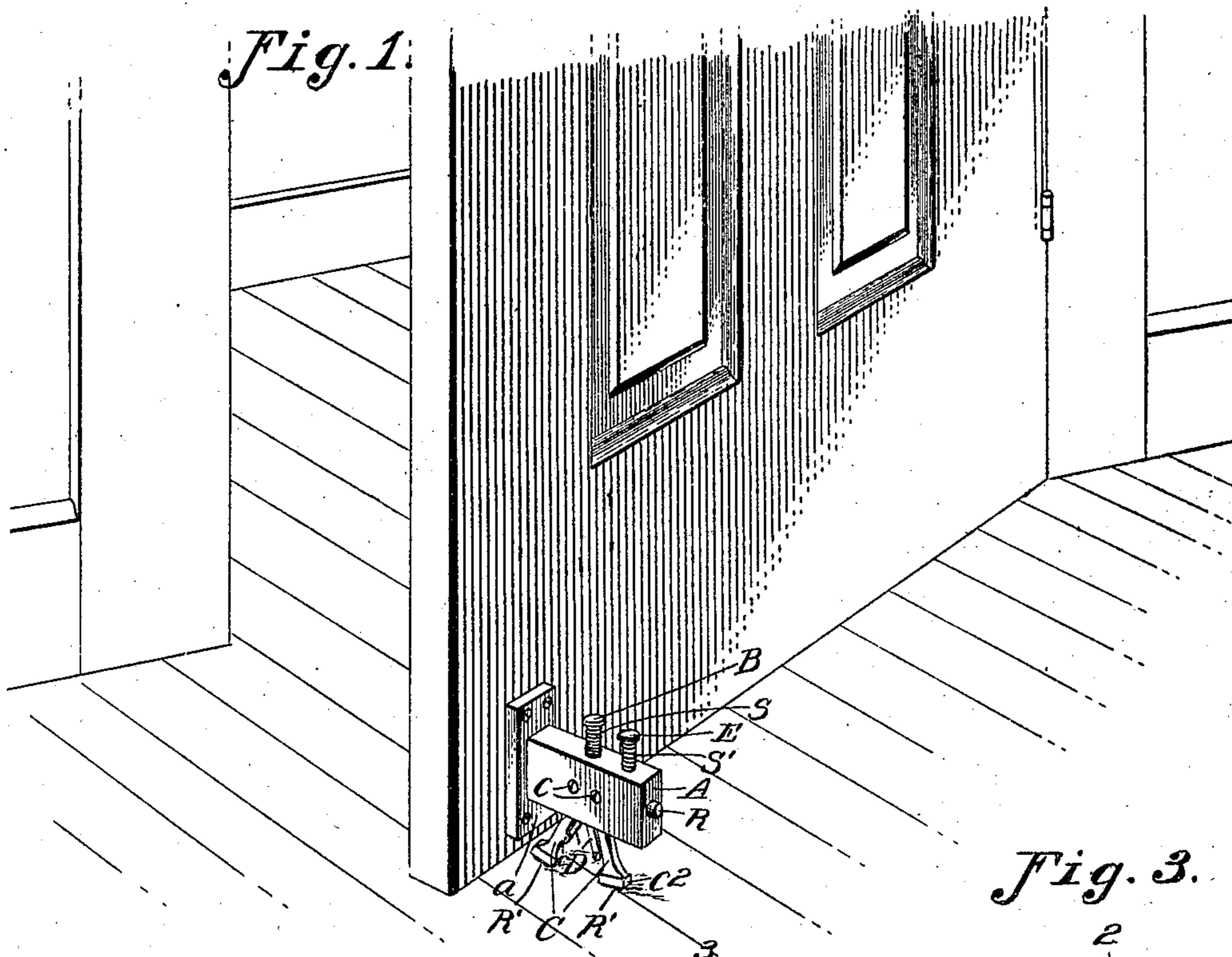


No. 847,285.

PATENTED MAR. 12, 1907.

M. L. HARRIS.
DOOR CHECK.

APPLICATION FILED DEC. 19, 1906.



Witnesses
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UNITED STATES PATENT OFFICE.

MARVIN L. HARRIS, OF NEWPORT NEWS, VIRGINIA.

DOOR-CHECK.

No. 847,285.

Specification of Letters Patent.

Patented March 12, 1907.

Application filed December 19, 1906. Serial No. 348,583.

To all whom it may concern:

Be it known that I, MARVIN L. HARRIS, a citizen of the United States, and a resident of Newport News, in the county of Warwick and State of Virginia, have invented certain new and useful Improvements in Door-Checks, of which the following is a full and clear specification, reference being had to the accompanying drawing, in which—

Figure 1 is a perspective view of the lower end of an open door, showing my device applied thereto in a locked position; Fig. 2, a vertical longitudinal section of the device, showing the locking-legs dotted in position for engagement with the floor, said section being taken on the line 2 2 of Fig. 3; and Fig. 3, a transverse section on the line 3 3 of Fig. 2.

The object of this invention is to provide a simple door-holding device which will hold the door in any position desired against movement in either direction and which may be actuated by means of a pair of foot-operated pins or rods, as more fully hereinafter set forth.

Referring to the drawing annexed by reference characters, A designates a hollow supporting bar or casing, which is provided at one end with a vertical flange *a*, which adapts it to be attached to a door in the manner shown in Fig. 1. A pair of legs or arms C are pivoted upon horizontal transverse pins *c*, and these legs depend from the casing in a diverging manner, one inclining toward the door and the other away from the door. On the bottom of each leg is a cup *c*², in which is a rubber or other resilient floor-engaging pad R'.

A pair of toggle-links D are mounted between the legs and are adapted to break upward, their inner ends being pivoted together at *d* and their outer ends by pivots *d'* to inward-extending ears *c'* on the legs. Connected to the knuckle *d* is a vertical push-rod B, which works up through a hole in the top of the casing or support and is normally raised by means of a coil-spring S. In the side of the rod B is a notch *b*, having its lower shoulder square and its upper shoulder beveled off upwardly. The free end of a flat spring F, inclosed within the casing, is adapted to normally engage in said notch, said spring extending downwardly and outwardly from said notch to the lower end of a push-rod E, to which it is pivoted by means of a horizontal pivot *g*, said rod extending up, like rod B, through a hole in the top of the

casing and being normally held up by a coil-spring S'. The pivot *g* is mounted on and moves vertically with the rod E, and in order to swing the lower end of rod E forwardly when it is pushed down, and thus withdraw catch F from notch *b*, as shown in dotted lines in Fig. 2, the said movable pivot *g* is pivotally connected to a stationary pivot *g'* by means of a horizontal link G, extending toward the outer end of the support. A resilient buffer R is mounted in the end of the casing or support to prevent the end of the casing and the door-knob from striking the wall or the wainscoting or the washboard back of the door.

It will be observed that when the push-rod B is released it is normally raised by its spring, and the locking feet or legs are thus swung downwardly and toward each other. The device is so positioned on the door that these locking-feet strike the floor before they are brought to a vertical position, as shown in Fig. 2, in which position they lock the door against movement in either direction. The bottom faces of the pads R' are so angularly disposed with reference to the feet that when the device is in locking position they abut squarely against the floor or the carpet, thus preventing injury to the floor or carpet by scraping or biting into the floor or carpet.

To unlock the device, it is simply necessary to press down on the rod B, which straightens out the toggle and lifts the feet off the floor. As soon as the rod B has descended far enough the latch F springs into notch *b*, and thus prevents the rod returning to its normal position, thus holding the locking-feet off the floor.

To lock the device, it is simply necessary to press down on rod E until latch F releases rod B, as stated.

It will be observed that the push-rods may be conveniently actuated by the foot of the operator.

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

1. In combination with a support adapted for attachment to a door, a pair of locking-feet pivotally depending from said support and inclining away from each other and normally tending to swing downward toward each other into engagement with the floor, foot-operated means between the arms for spreading and raising them against their normal tendency, and foot-operated means for

normally locking the arms in their raised position.

2. In combination with a support adapted for attachment to a door, a pair of locking
5 arms or feet pivotally depending from said support and adapted at their lower ends for engagement with the floor, spring-actuated means for normally swinging the arms downwardly toward each other to locking position,
10 said means embodying a vertical push-rod extending above the top of the support, and a latching device for holding said means out of action, this latching device embodying a second push-rod extending above the sup-
15 port.

3. In combination with a support adapted for attachment to a door, a pair of floor-en-

gaging legs depending from said support and inclining away from each other, a pair of toggle-links connected to the legs and to each
20 other, a push-rod and a spring for normally raising it, said push-rod being provided with a locking-notch and being pivotally connected to the knuckle of the toggle, and a latching device for said push-rod embodying a
25 second push-rod and means for normally holding it up.

In testimony whereof I hereunto affix my signature in the presence of two witnesses, this 18th day of December, 1906.

MARVIN L. HARRIS.

Witnesses:

WALTER NEXSEN,
W. V. TROUTMAN.