

*J. H. Douglass,
Sash Holder.*

No 83,266.

Patented Oct. 20, 1868.

Fig. 1

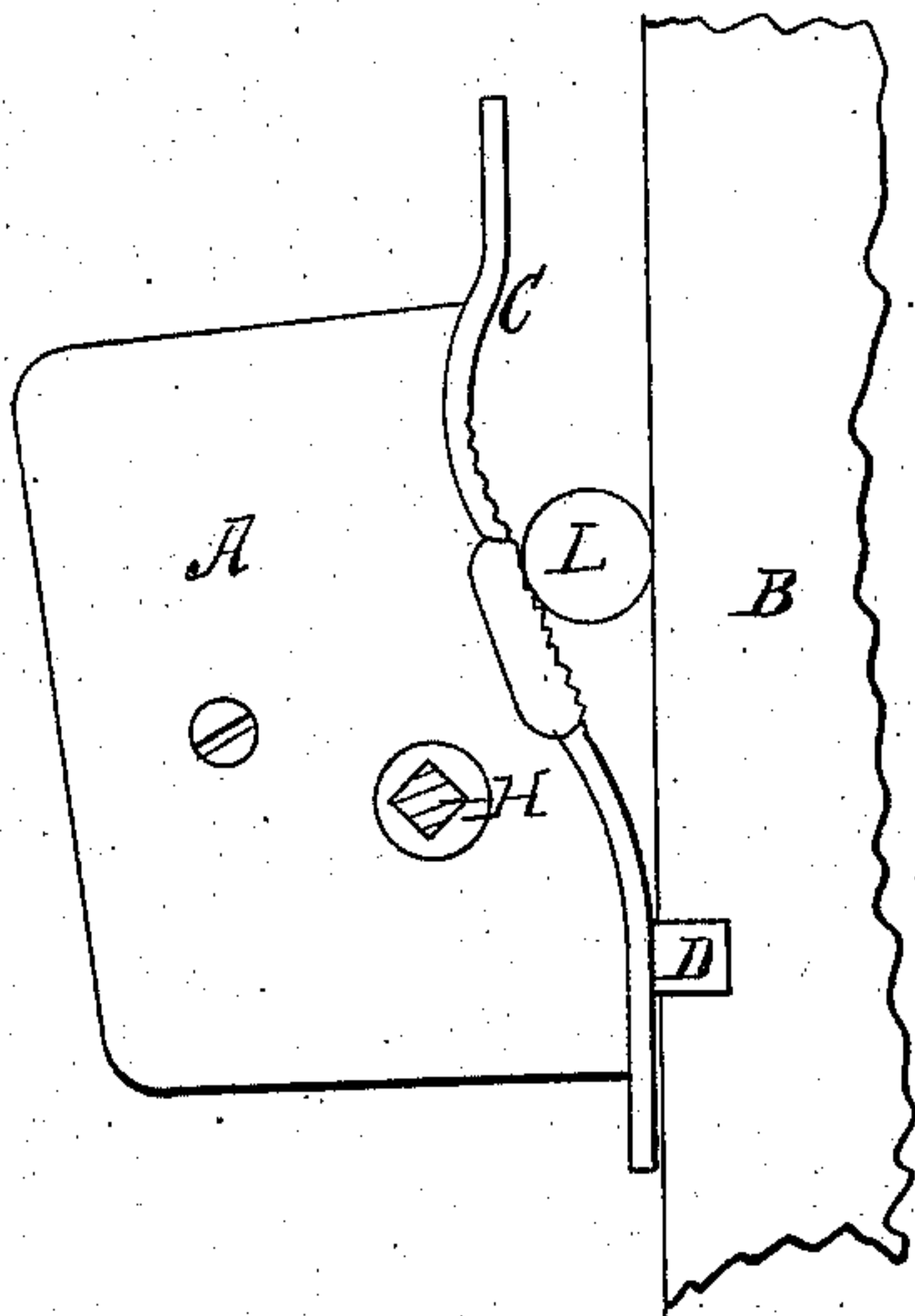


Fig. 2

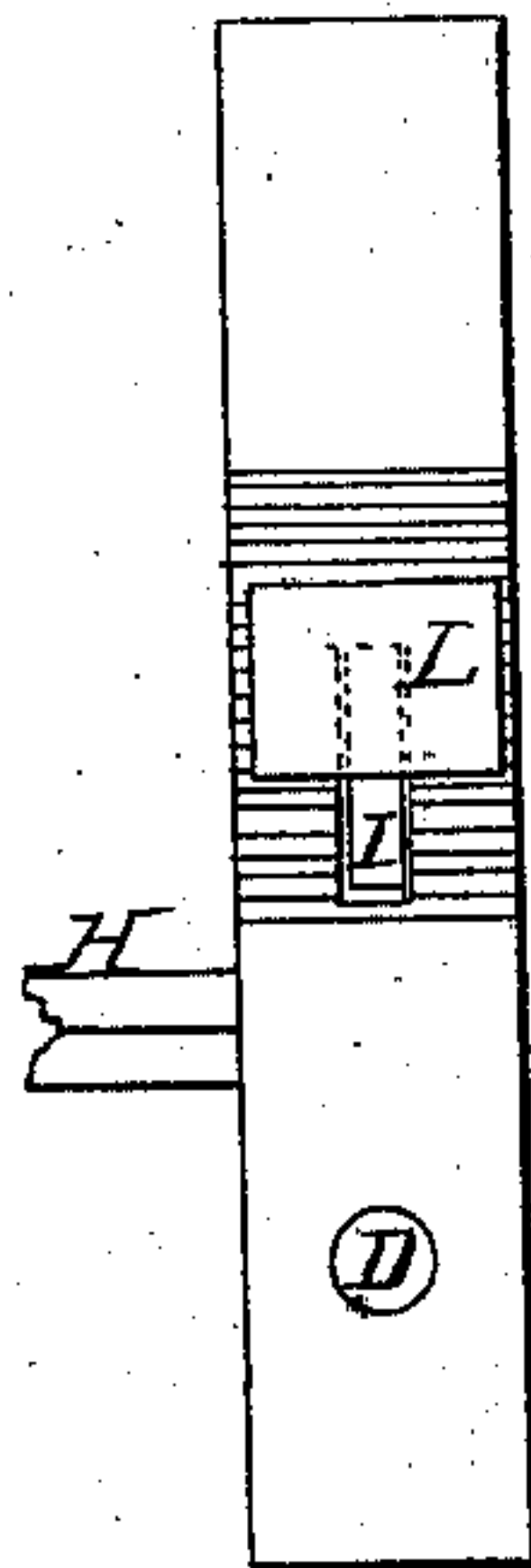


Fig. 3

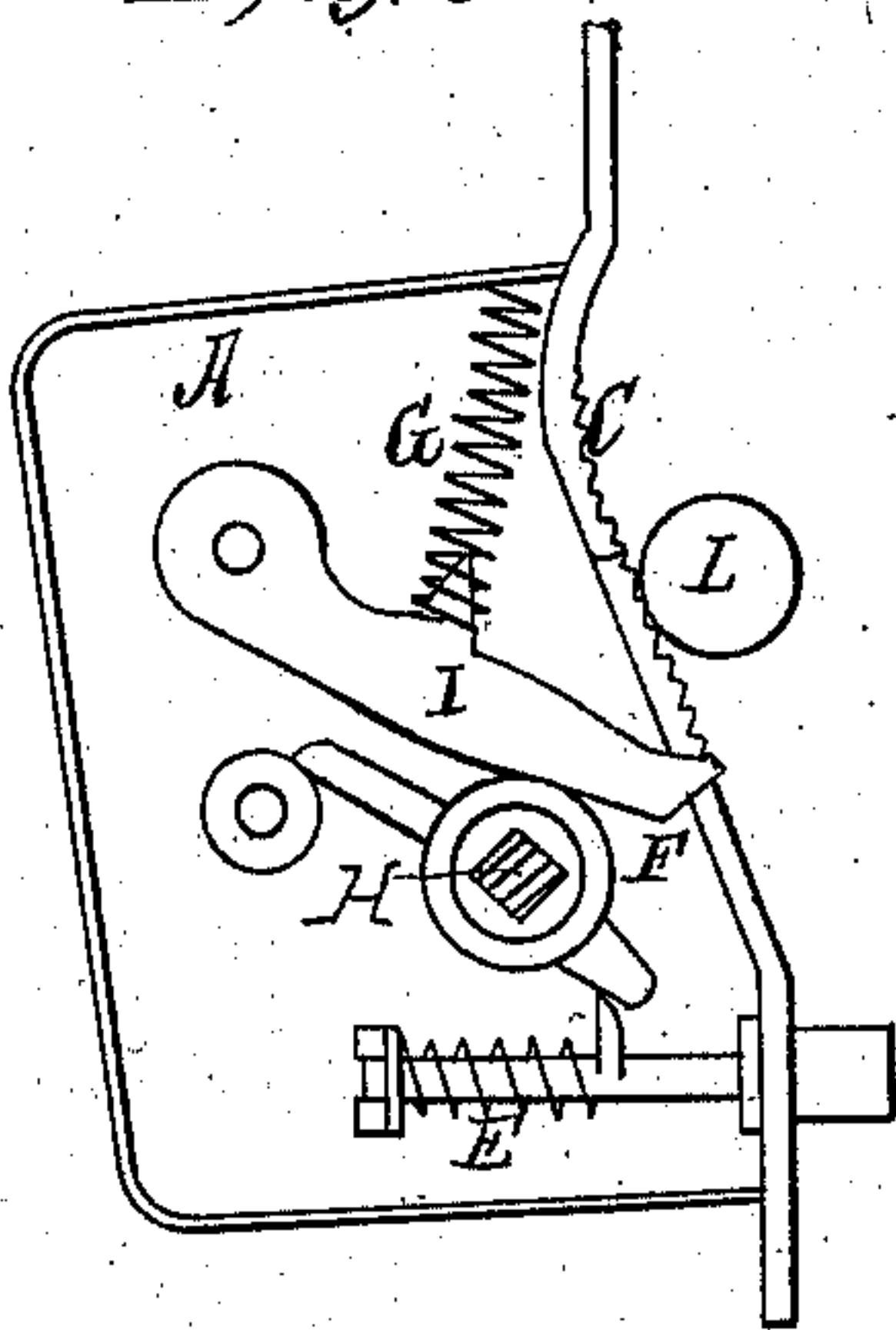
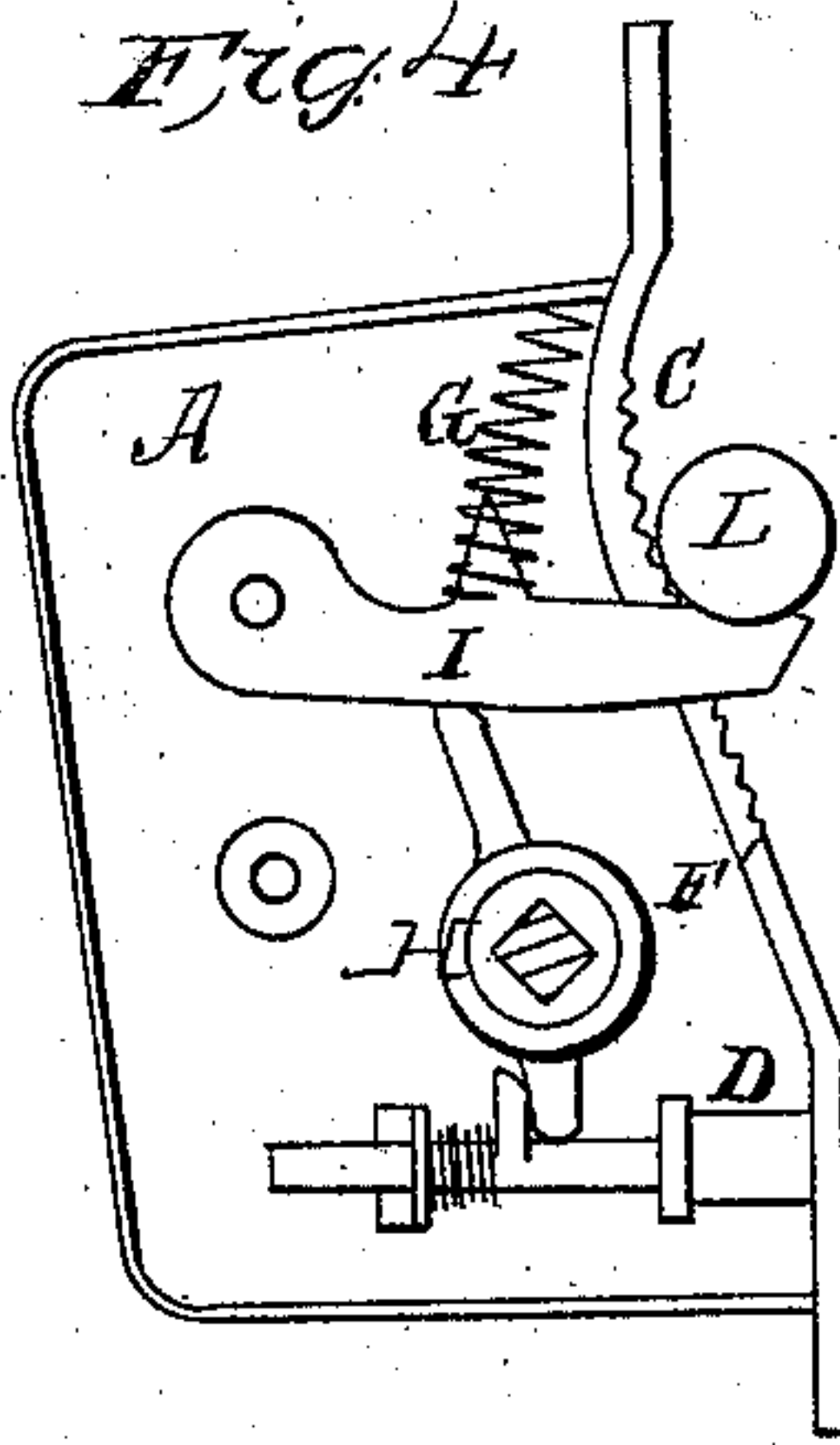


Fig. 4



Witnesses:

*J. H. Thurney
a. J. Tibbitts*

Inventor:

*John H. Douglass
By his Attorney
John E. Early*

United States Patent Office.

JOHN H. DOUGLASS, OF MERIDEN, CONNECTICUT.

Letters Patent No. 83,266, dated October 20, 1868.

IMPROVEMENT IN SASH-FASTENER

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JOHN H. DOUGLASS, of Meriden, in the county of New Haven, and State of Connecticut, have invented a new Improvement in Sash-Fastener; and I do hereby declare the following, when taken in connection with the accompanying drawings, and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a side view;

Figure 2, a face view; and in

Figures 3 and 4, inside views, in different positions.

This invention relates to an improvement in apparatus for locking windows, and for holding them suspended at any desirable point, and consists in the arrangement of a bolt, combined with a lever, and a follower, which actuates both the bolt and lever, and these combined with a roll, which rests upon an inclined surface, and between the said inclined surface and the edge of the sash, so that the said roll, borne down by the weight of the sash, between the sash and the said inclined surface, will hold the sash suspended, and arranged so that the said lever will raise the roll, to permit the lowering of the sash.

To enable others to construct and use my improvement, I will fully describe the same, as illustrated in the accompanying drawings.

A is the case, within which the mechanism is placed, its face, C, being formed with an incline, as seen in fig. 1, that is to say, so that, when the case is inserted into the window-jamb, the face-plate, or a portion of it, will be inclined to the sash B.

Within the case is arranged a bolt, D, with a spring, E, which forces it out, as seen in fig. 3, and in immediate connection with which, a follower, F, is arranged so as to receive a spindle, H, through the window frame, by means of which, with a suitable handle, the follower F may be operated to draw in the bolt, by moving from the position in fig. 3 to that in fig. 4.

Within the case is also arranged a lever, I, operated by the follower F, so that, at the same time the

bolt is drawn in, the lever I will be raised, as from the position in fig. 3 to that in fig. 4, the said lever being forced down by a spring, G, or an equivalent device.

The case is inserted into the window-jamb in such relative position to the sash, that the face-plate C will be inclined thereto, as seen in fig. 1; and upon the said incline, and between that and the sash B, I place a roll, L, of suitable material, and of such size as to rest upon the incline and bear against the sash, the weight of the sash forcing the roll down, and so that, when at its lowest point, the roll L will lie above the lever I, as seen in fig. 3.

At any point where it is desired to lock the sash, a hole is bored into the sash, to receive the bolt D, as seen in fig. 1.

In this position, to raise the sash, turn the spindle H, to withdraw the bolt; then the sash is free to be raised; but, left without being secured by the bolt, the sash itself will fall until the roll is carried down the incline-face, until at such point the roll will wedge the sash hard against the opposite side, and will hold the sash suspended. And to lower the sash from that point, turn the spindle H, to raise the lever I, in which operation the lever strikes the roll, and raises it to the position seen in fig. 4, or to such a point as will free the sash from its control, and thus the sash may be held at any point within its extreme limits.

It will be observed that the lever I and roll may be used without the bolt E; but in such case there is no security to prevent the raising of the sash. I therefore prefer to combine therewith the bolt D.

Having thus fully described my invention,

What I claim as new and useful, and desire to secure by Letters Patent, is—

The follower F, bolt E, and lever I, combined with the roller L and incline C, when constructed and arranged to operate in the manner and for the purpose substantially as described.

JOHN H. DOUGLASS.

Witnesses:

GEO. R. SOUTHWORTH,
THOS. ANDREWS.