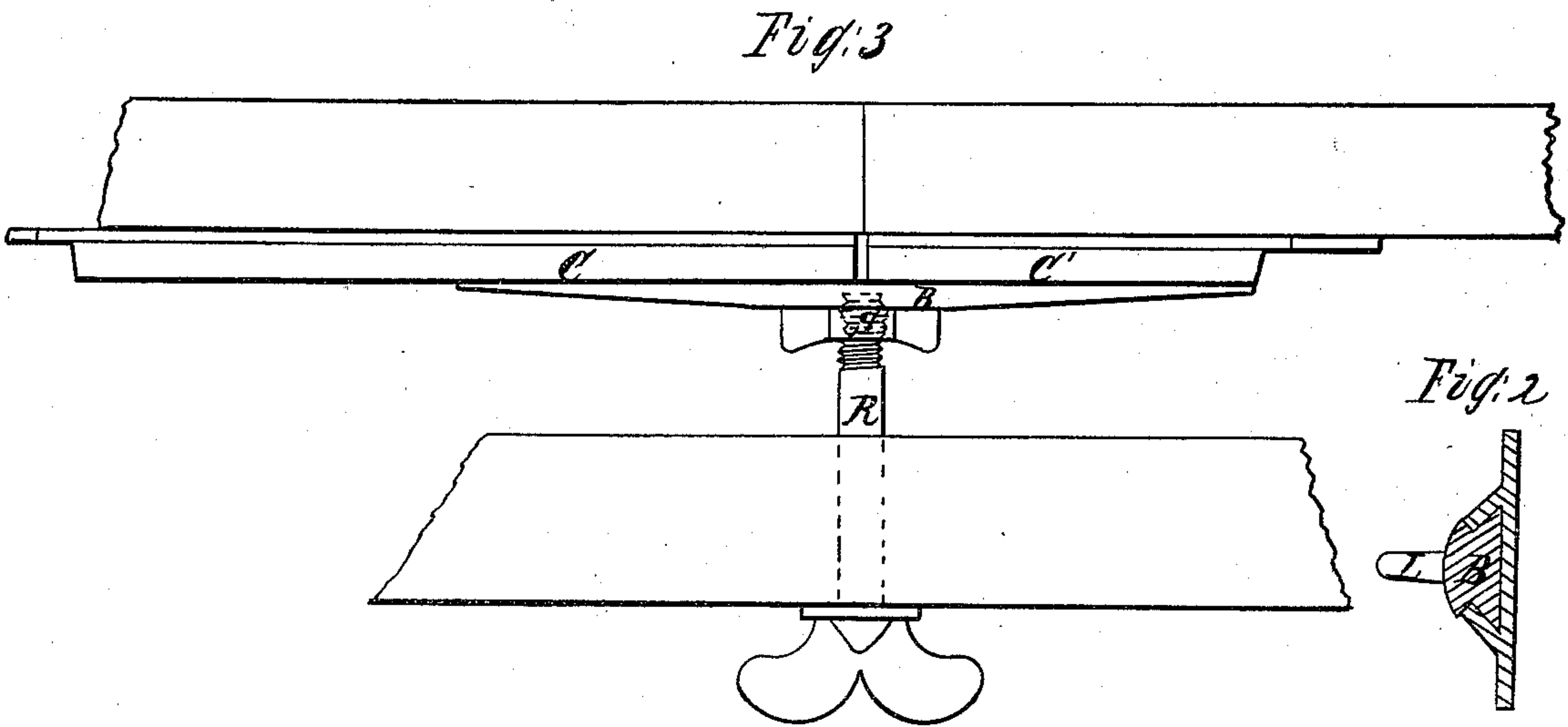
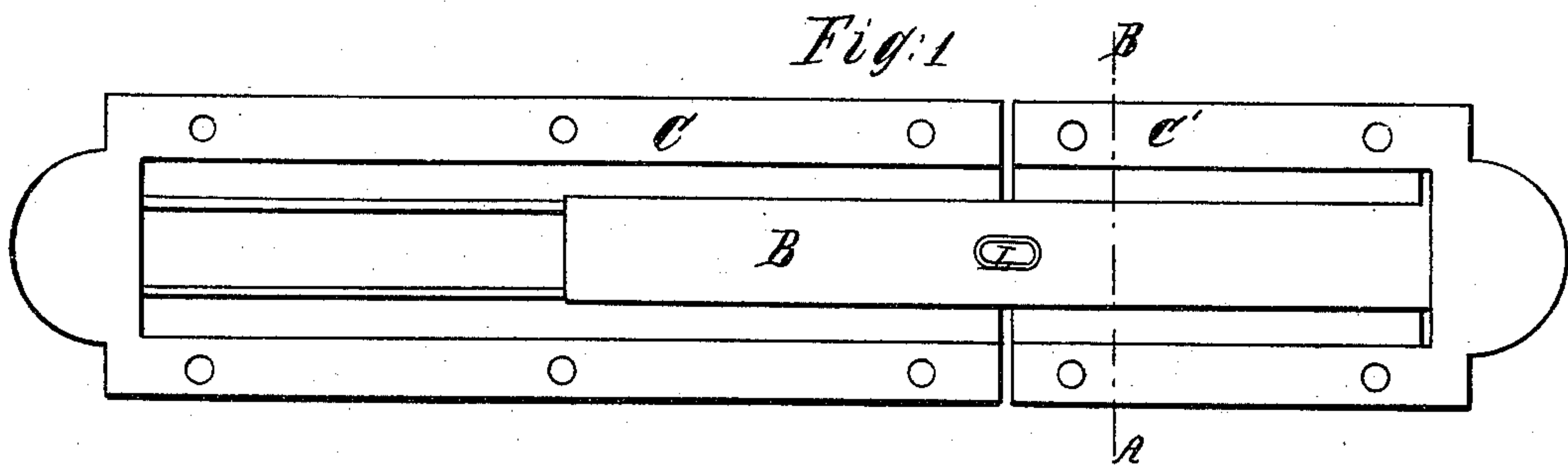


G. W. Curran.

Shutter Fastening.

N^o 86,437.

Patented Feb. 2, 1869.



Witnesses

Charles H. Evans
James H. Catford

Inventor

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GEORGE W. OURAM, OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 86,437, dated February 2, 1869; antedated January 16, 1869.

IMPROVEMENT IN SHUTTER-FASTENINGS.

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, GEORGE W. OURAM, of the city of Philadelphia, county of Philadelphia, and State of Pennsylvania, have invented a new and useful Improvement in Fastenings for Shutters, Doors, &c.; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, making a part of this specification, in which

Figure 1 is a front view of my improvement in fastenings.

Figure 2 is a sectional view through A-B.

Figure 3 is a side view of my invention, with the application of a thumb-screw and bolt.

The nature of my invention consists in constructing fastenings for shutters, doors; &c., as hereinafter described, so as to combine security and stiffness with freedom of movement, and, at the same time, to prevent clogging by ice or snow.

To enable others skilled in the art to make and use my invention, I will now proceed to describe its construction and operation.

The cases O and O', figs. 1 and 3, are made with raised guides, the sides of which are slightly inclined.

Fitted, and working in the raised guides, is a bolt, B, the centre of which is made thicker, in order to give it additional strength at this point.

In the centre of the bolt B, fig. 1, is cast or formed a lug, L, for the purpose of operating the same, and on the bolt B, fig. 3, is cast or formed a boss, S, the centre of which is bored out, and a thread cut therein.

In the opening of the boss S is inserted a rod, R,

the end of which is provided with a thread, and the opposite end flattened out, to serve as a thumb-screw.

In arranging the fastening, as shown in fig. 3, the bolt is placed near the bottom of the shutter, and immediately opposite to the lower part of the window-sash. An opening is then made through the sash, so that when the bolt is pushed all the way up in O', the opening in the boss S will come directly opposite to the opening in the sash. The screw-end of the rod R is then inserted, through the opening in the sash, into the opening in the boss S, and screwed up tight, thus holding the bolt B firmly in place, and preventing it from being pushed back from the outside of the shutter.

It will be obvious that, by inclining the sides of the guides of the cases, all snow and rain are turned off, and prevented from accumulating around the bolt; also, by forming the bolt thicker at the centre, and bringing that part at the point where the greatest strain is on the bolt, I thus prevent all bending or twisting.

Having thus described the construction and operation of my invention,

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

The combination and arrangement of the cases O and O', bolt B, boss S, and rod R, so as to operate substantially in the manner and for the purpose specified.

In testimony whereof, I have hereunto signed my name, in the presence of two subscribing witnesses.

GEORGE W. OURAM.

Witnesses:

CHARLES H. EVANS,
ISAAC R. OAKFORD.