

N. M. HUTTON.
Window-Blind Fastenings.

No. 222,136.

Patented Dec. 2, 1879.

Fig. 1.

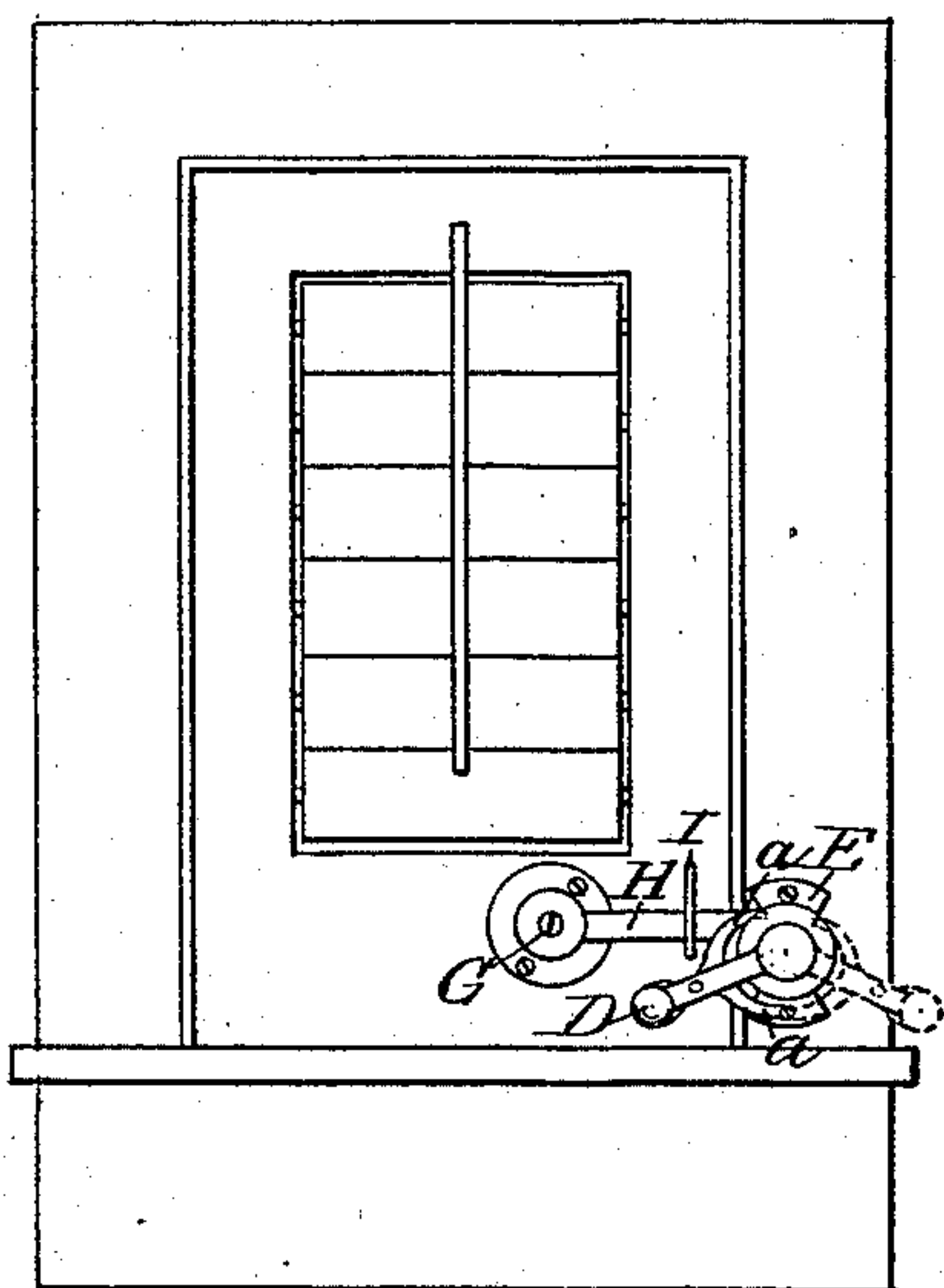


Fig. 2.

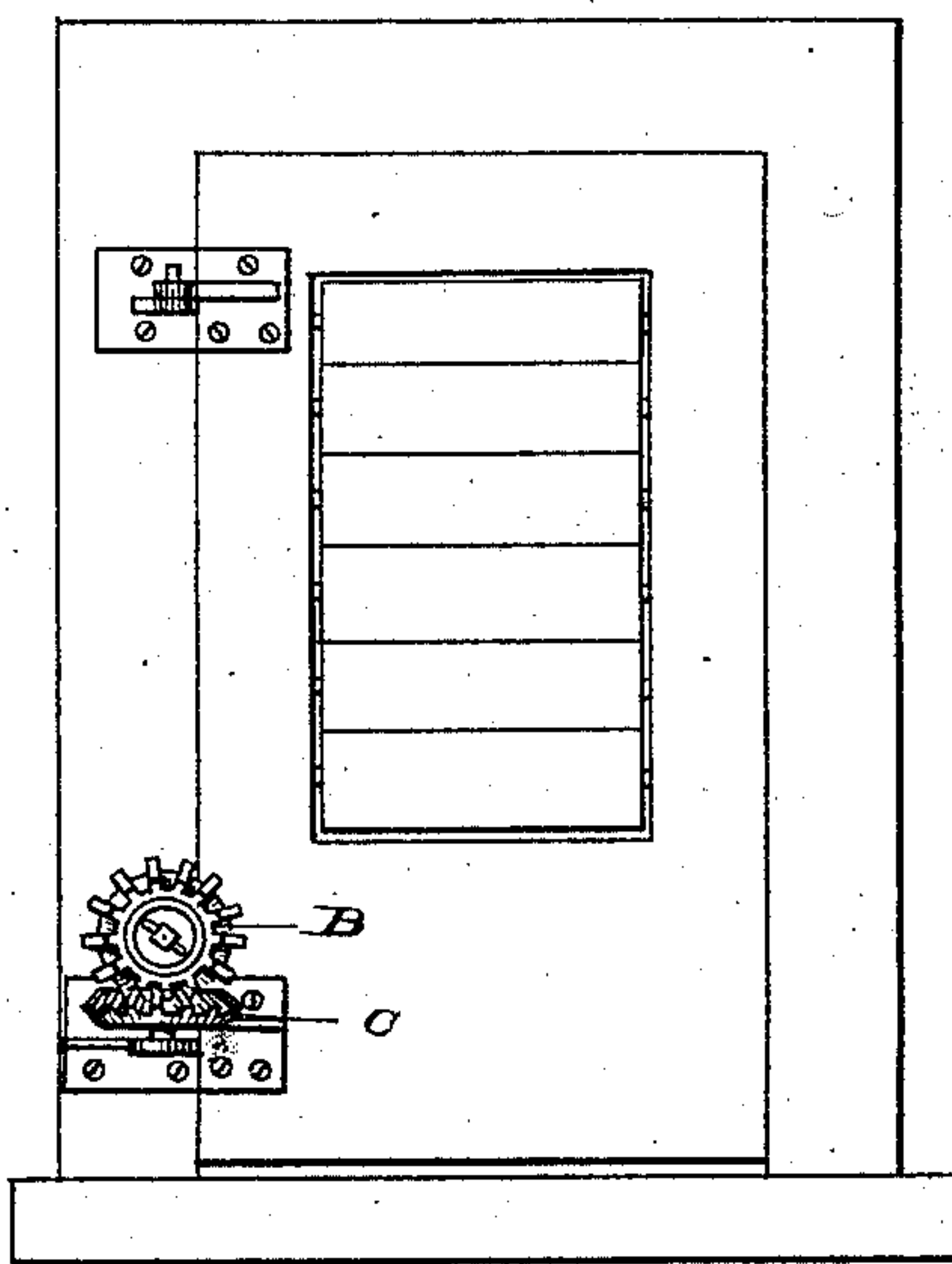
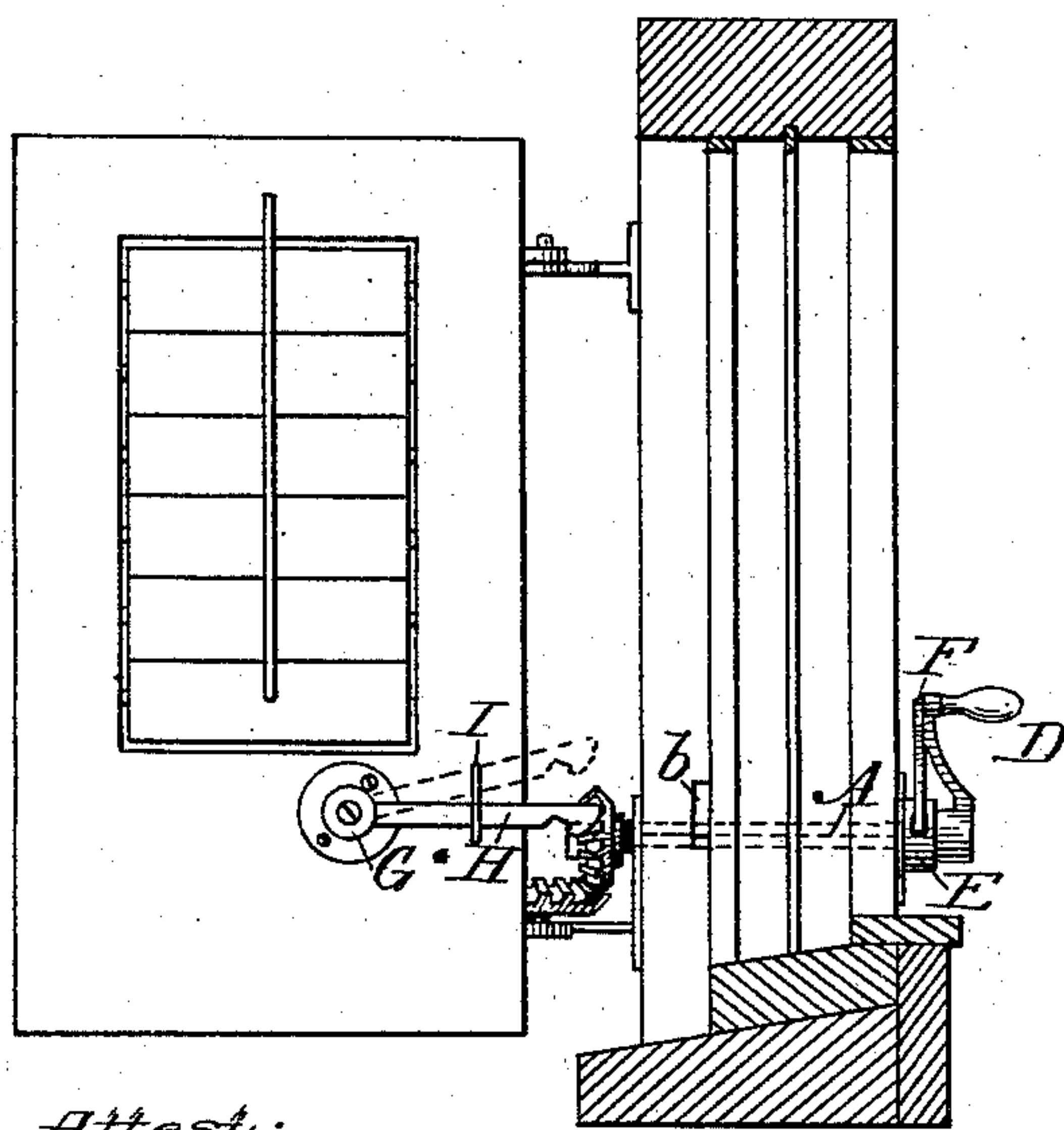


Fig. 3.



Attest:
R. F. Barnes
Warren Seely.

Inventor:
Noah M. Hutton
by E. C. Spear
Att'y

UNITED STATES PATENT OFFICE

NOAH M. HUTTON, OF QUINCY, ILLINOIS.

IMPROVEMENT IN WINDOW-BLIND FASTENINGS.

Specification forming part of Letters Patent No. **222,136**, dated December 2, 1879; application filed September 17, 1878.

To all whom it may concern:

Be it known that I, NOAH M. HUTTON, of Quincy, Adams county, Illinois, have invented a new and useful Improvement in Fastenings for Window-Blinds; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being made to the accompanying drawings, wherein—

Figure 1 is an inside view of the blind and fastening. Fig. 2 is an outside view; and Fig. 3 is a section through a window-frame, showing the blind half-open.

A is a square shaft passing through the frame of the window. On the outside end of the shaft is a bevel-gear wheel, B, which meshes with a corresponding bevel-gear, C, on the hinge of the blind. D is a handle on the inner end of the shaft A, by which the shaft is turned, and the blind opened and closed by the action of the gear-wheels.

As a main fastening device I can use any of the well-known attachments now employed for the purpose.

I have shown in the drawings a disk or collar, E, around the shaft A inside the window-blind, provided with notches, and a dog, F, which is attached to the handle D and has two arms, *a a*, which are held by the notches in the disk or collar E.

I have found, however, that in practice the fastening device above described is not sufficient to fully resist any accidental or intentional strain that may be applied to the blind from the outside. I therefore furnish my blind with an additional fastening, by the use of which a greater degree of security is obtained, and which I will now describe.

G is a collar which is secured to the inside

of the blind, and to this collar I attach a dog or latch, H, with a recessed head. A slot, *b*, is cut in the window-frame to expose the shaft A. By the operation of closing the blind the latch H is locked over the square shaft, and prevents the breaking of the fastening by any degree of violence.

In order that the latch H may not impede the opening and closing of the blind from the inside, the recess on the head is of such shape that the turning of the handle will release the latch from engagement with the shaft A. A guide, I, is placed on the blind, which limits the motion of the latch.

The advantages of my device, as will be readily seen, lie in the security afforded by its use. The single fastening first described might be broken by the exercise of a very moderate degree of force; but by the use of my device the difficulty of effecting an entrance would be greatly increased, and it would be practically impossible by any direct strain to injure the fastening or render it useless.

Having thus fully described my invention and explained some of its advantages, what I claim as new therein, and desire to secure by Letters Patent, is—

In a blind-fastening, the combination of the collar G on the blind, the latch H, the square shaft A, and the handle D, for the purpose of releasing the said latch from engagement with the shaft, all substantially as described and shown.

NOAH M. HUTTON.

Witnesses:

GEORGE SIMMONDS,
SAMUEL WOODS, Jr.