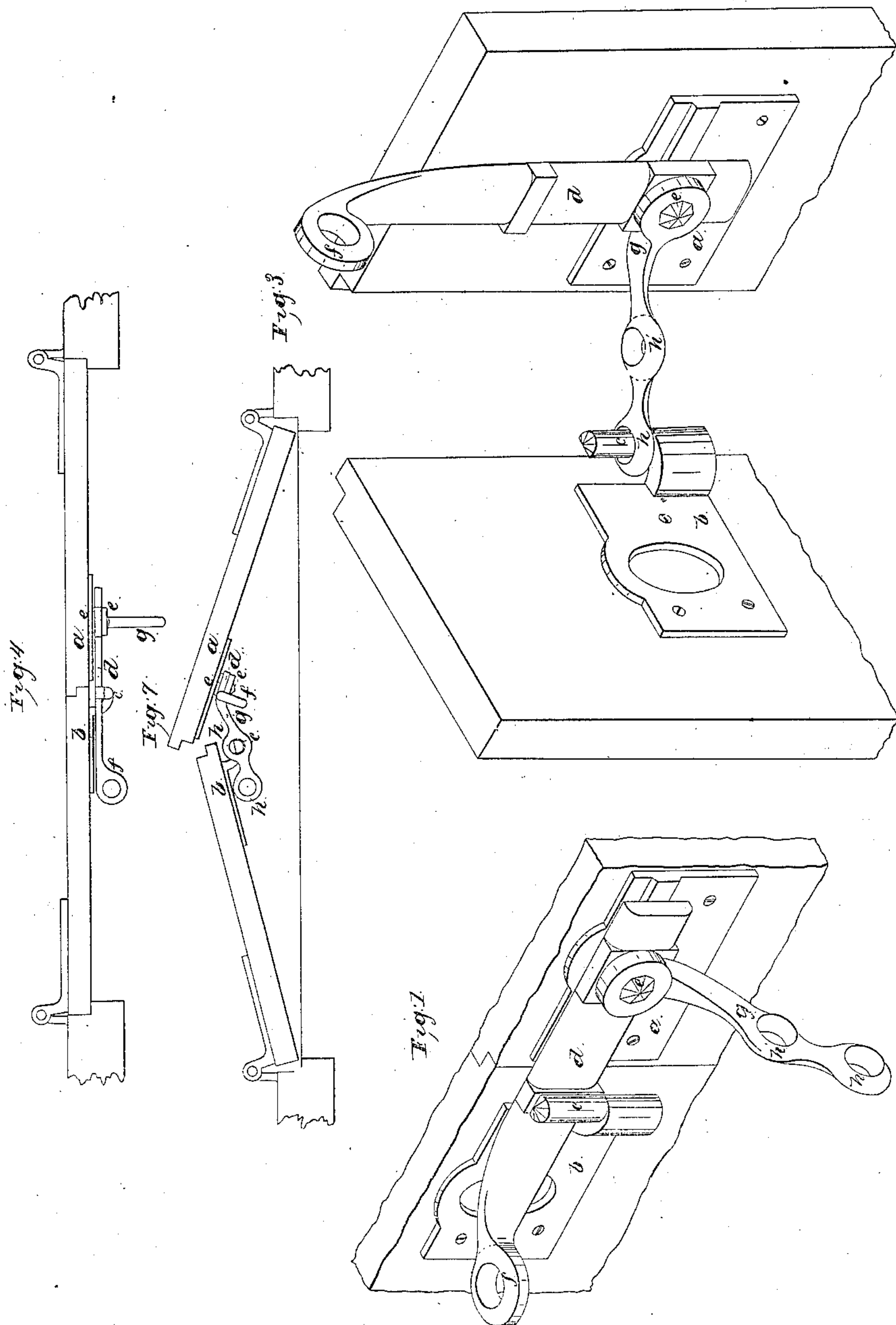


C. Adams,

Shutter Bower.

Patented Oct. 25, 1853.

N<sup>o</sup> 10,146.



Witnesses:  
L. R. Livingston  
W. B. Barwell.

Inventor:  
C. Adams.

C. Adams,  
Shutter Bower.

N<sup>o</sup> 10,146.

Patented Oct. 25, 1853.

Fig. 6.

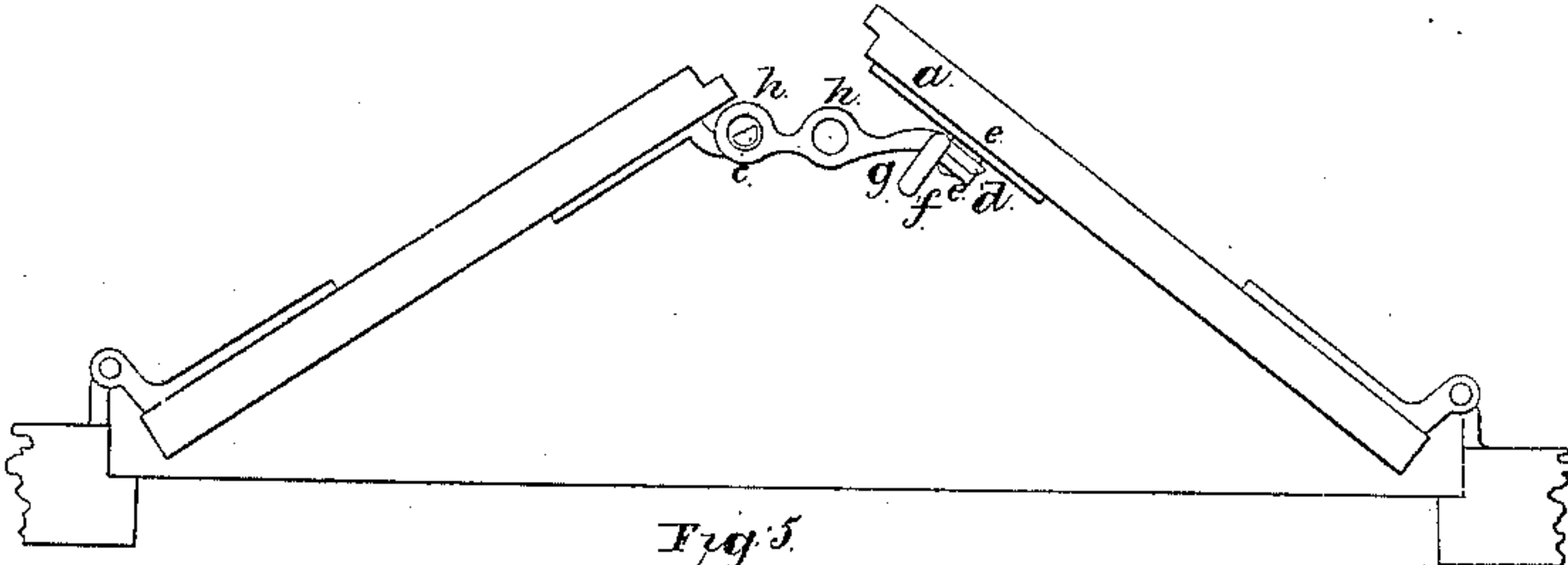


Fig. 5.

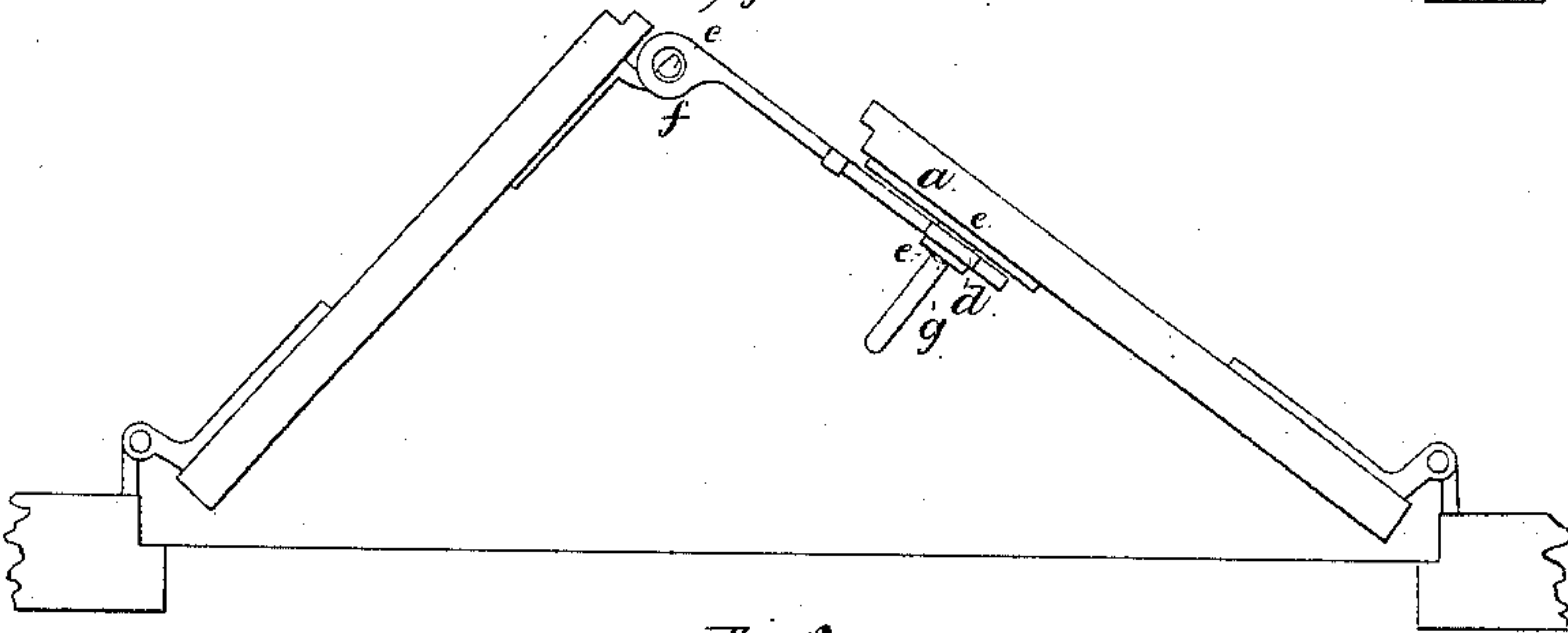
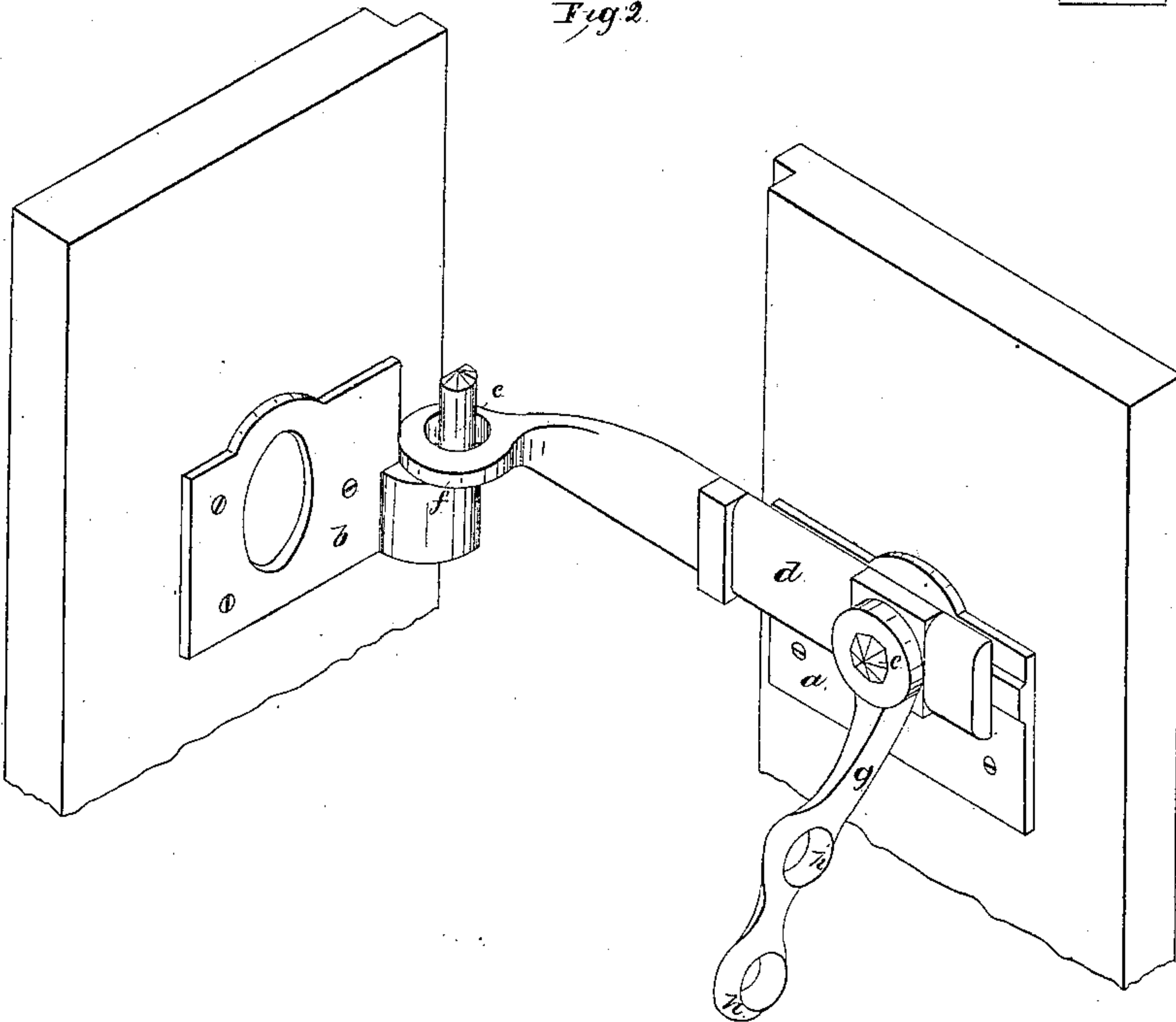


Fig. 2.



Witnesses:  
L. P. Thompson.  
W. B. Kewell.

Inventor:  
C. Adams.



# UNITED STATES PATENT OFFICE.

CALVIN ADAMS, OF PITTSBURGH, PENNSYLVANIA.

## WINDOW-SHUTTER FASTENER AND HOLDER.

Specification of Letters Patent No. 10,146, dated October 25, 1853.

*To all whom it may concern:*

Be it known that I, CALVIN ADAMS, of the city of Pittsburgh, county of Allegheny, and State of Pennsylvania, have invented a new and useful Improvement in Inside Fasteners for Shutters; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, forming part of this specification, in which similar letters of reference in the several figures refer to like parts of the shutter-fastener.

My invention consists in attaching to and combining with the latch or bolt of a shutter fastener a contrivance for bowing the shutter, that is securing it in its position when partially opened.

In the drawings, Figure 1, is a perspective view of my improved shutter fastener as it appears when the shutters are closed and fastened. Fig. 4 is a vertical plan of the same, drawn to a smaller scale and showing it attached to a pair of shutters closed and fastened. Fig. 2 is a perspective view of my shutter fastener, showing the shutters opened in part and secured in that position by my fastener, and Fig. 5 is a vertical plan of the same. Fig. 3 is a perspective view of my fastener, showing the shutters less widely opened than in Fig. 2, and Fig. 6 is a vertical plan of the same. Fig. 7 is a vertical plan of a pair of shutters very slightly opened and secured in that position by my improved fastener. Figs. 4, 5, 6 and 7 are drawn to a smaller scale than the other drawings in order to represent the whole width of the shutters so as to show more clearly the various positions of the shutters when bowed by my improved fastener.

In the several figures *a* is the latch plate which is designed to be screwed in the usual manner to the right hand shutter, *b* is the plate to which the pin or keeper *c* is attached, which is to be fastened in a line with the plate *a*, to the left hand shutter, the pin *c* being cast or wrought in one piece with the plate *b*. The latch or bolt *d* is attached to the plate *a* by a pin or pivot *e* on which the bolt *d* turns freely. The bolt *d* is a strong metal bar, which, when the shutters are closed (see Fig. 1,) is turned on its pivot *e* and passing over the joint between the shutters, enters the keeper, between the pin *c* and the face of the plate *b*, thus firmly

bolting or fastening the shutters in their closed position. At the end of the bolt *d*, is a circular hole or ring *f* which is large enough to receive the pin *c*, so that when it is desired to have the shutters bowed they are opened until the ring *f* of the bolt *d* can be passed over the pin *c* as shown in Fig. 2, when it is manifest that the shutters will retain their half opened position without liability to be blown to, or more widely opened by the action of the wind, or otherwise and they can be immediately relieved from this position by raising the bolt or latch *d*, so as to remove the ring *f* from the pin *c*. An arm *g* is attached to the bolt *d* immediately under the turning point of the pin or pivot *e* at right angles to the bolt *d* and projecting outward from the shutter at an angle of about thirty degrees. This arm *g* has two (or more if desired) holes or rings *h*, *h'*, the axes of which holes are at right angles to the axis of the ring *f*, so that when the bolt *d* is raised to a perpendicular position the arm *g* will extend outward horizontally, and the holes *h*, *h'*, being made of the right diameter to receive the pin *c*, either of them can be passed over the pin *c* and these rings *h*, *h'*, being at different distances from the center or turning point of the bolt *d*, the shutters will, by the passing of either of these rings *h*, *h'*, of the arm *g*, over the pin *c* be bowed at a different angle and with a different degree of opening to what they were when the ring *f* on the extremity of the bolt *d* was used as before described.

It is manifest that the arm *g* may be in practice made as long as is desired, with holes or rings at various distances apart, but it is presumed that the three different positions for bowing the shutters described and shown in Figs. 5, 6 and 7, will be sufficient for ordinary purposes.

Fig. 5 represents the shutters bowed by the use of the ring *f*, at the extremity of the latch *d*; Fig. 6 the position attained by the use of the ring *h* at the extremity of the arm *g*, and Fig. 7 the position consequent on the use of the ring *h'*.

Having thus described the construction and operation of my improved shutter fastener, I do not claim the construction of the shutter fastening, nor the use of the latch *d* and pin *c*, as used for fastening shutters

when closed, nor otherwise than in combination with the contrivance for bowing shutters, but

What I do claim as my invention and  
5 desire to secure by Letters Patent, is—

The combining with the latch or bolt of an inside shutter fastener, a contrivance for securing the shutters in a partially opened

position by means of the rings *f*, *h*, *h'*, and the arm *g* in combination with the latch *d* 10 and pin *c*, substantially in the manner and for the purpose hereinbefore set forth.

CALVIN ADAMS.

Witnesses:

STEPHEN JARVIS,  
W. BANEWELL.