

No. 663,556.

Patented Dec. 11, 1900.

W. L. AMBLER.  
SHUTTER SLAT FASTENER

(Application filed Jan. 17, 1900.)

(No Model.)

Fig. 1.

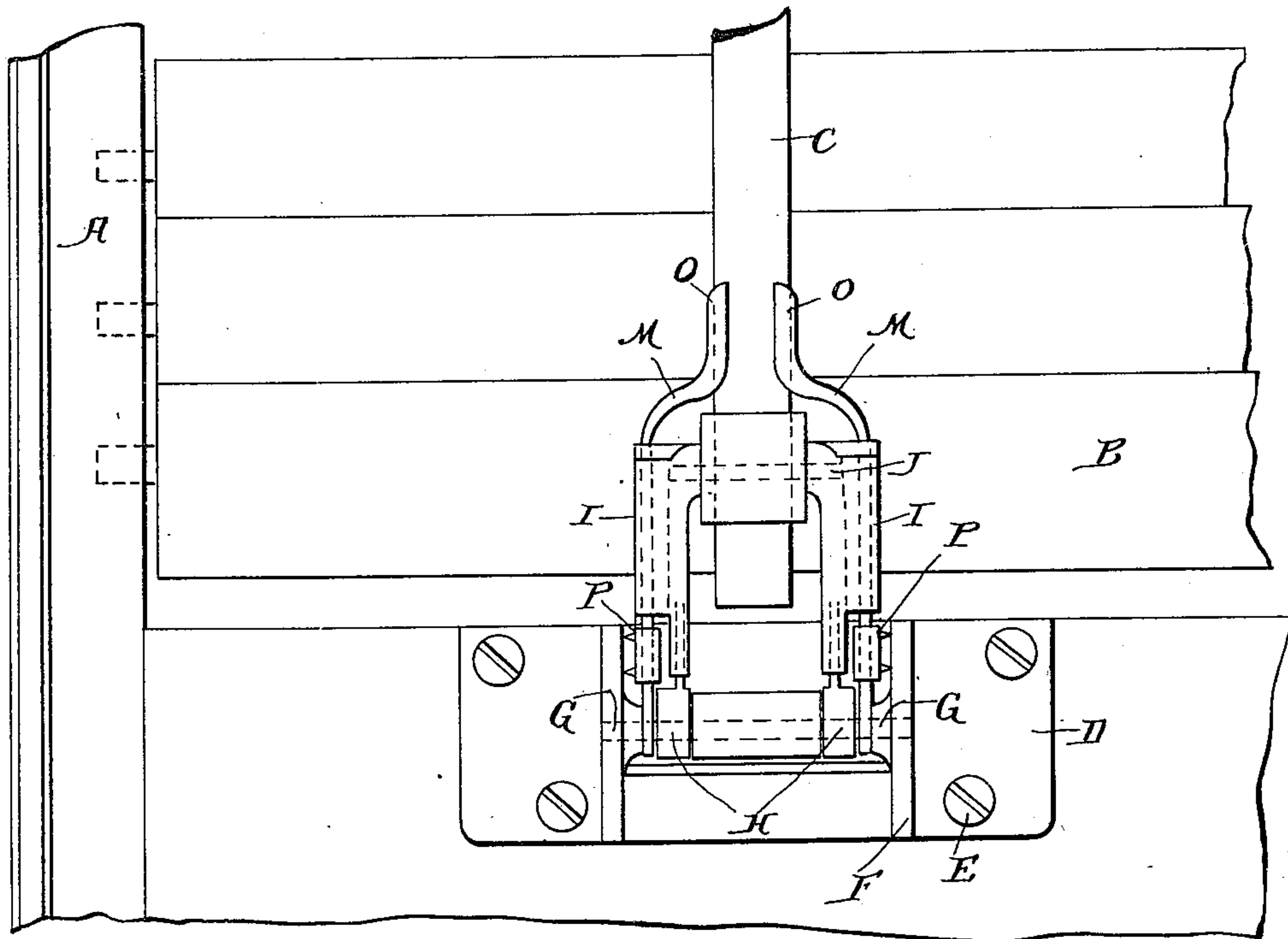


Fig. 2.

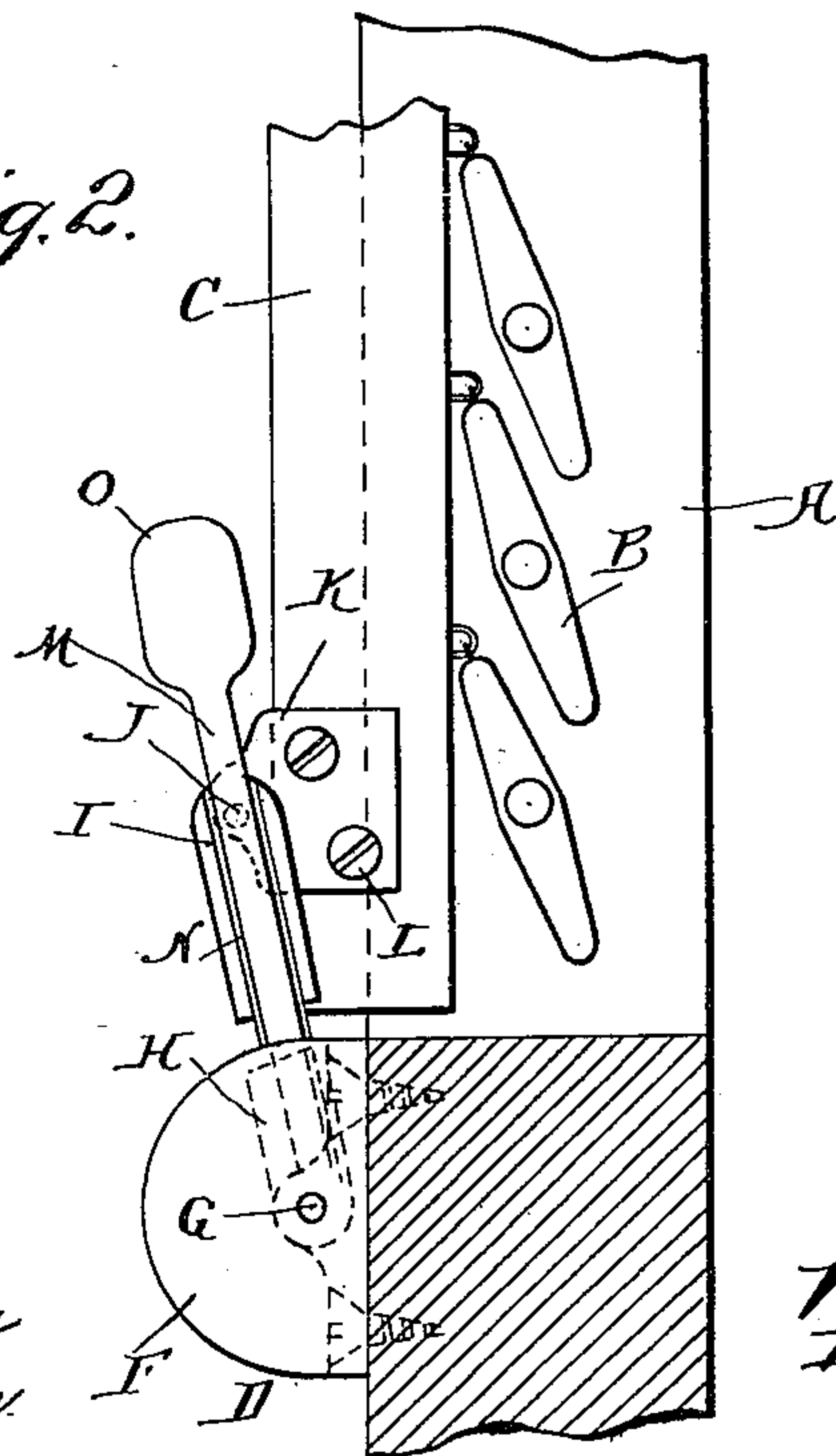
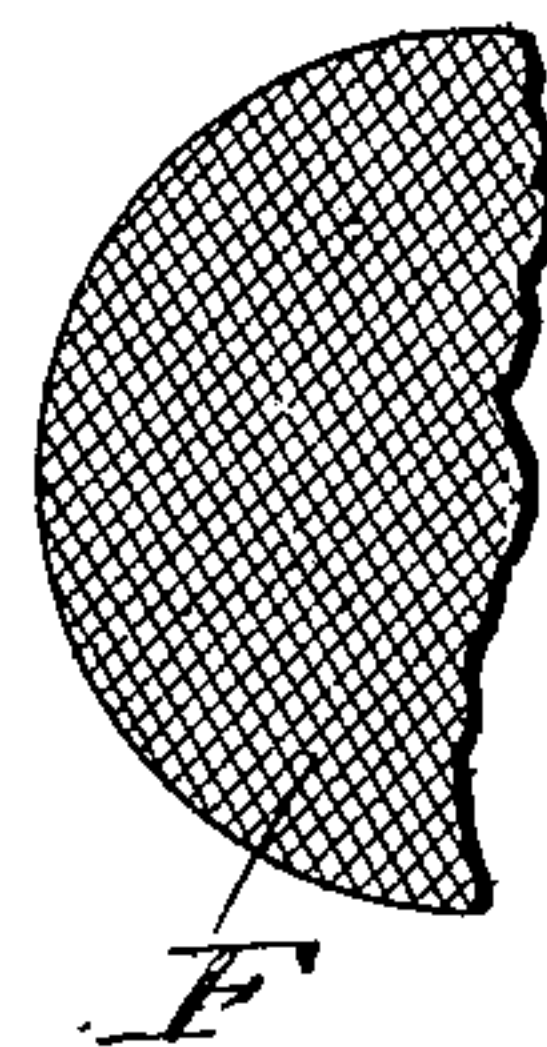


Fig. 3.



Witnesses

J. Williamson  
W. W. Williamson.

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# UNITED STATES PATENT OFFICE.

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## SHUTTER-SLAT FASTENER.

SPECIFICATION forming part of Letters Patent No. 663,556, dated December 11, 1900.

Application filed January 17, 1900. Serial No. 1,718. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM L. AMBLER, a citizen of the United States, residing at Norristown, in the county of Montgomery and State of Pennsylvania, have invented a certain new and useful Improvement in Slat Fasteners or Retainers for Window Shutters or Blinds, of which the following is a specification.

My invention relates to a new and useful improvement in slat fasteners or retainers for window shutters or blinds, and has for its object to provide a simple and effective device which may be attached to a shutter or blind and to the connecting-rod of the slats, and thereby the said slats may be adjusted at any angle or closed or opened by simply manipulating the fastener, and when so adjusted the fastener will firmly hold the slats in their adjustments.

With these ends in view this invention consists in the details of construction and combination of elements hereinafter set forth and then specifically designated by the claims.

In order that those skilled in the art to which this invention appertains may understand how to make and use the same, the construction and operation will now be described in detail, referring to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is an elevation of a portion of a shutter or blind, showing my improvement attached thereto and to the connecting-rod of the slats, the latter being closed; and Fig. 2, an end view of a portion of the slats and connecting-rod, the end rail of the shutter being sectioned away, so as to clearly show the connection between the fastener and the connecting-rod. Fig. 3 is a fragmental view showing the inner surface of one of the ears.

In carrying out my invention as here embodied, A represents the shutter or blind, B the slats pivoted therein, so as to turn horizontally, and C the connecting-rod pivoted to each of the slats, so as to operate the same in unison, all of which is well known.

A bracket D is secured to the bottom rail of the shutter or blind by means of the screws E or in any other convenient manner, and from this project the ears F, between which runs the pivot-wire G. Upon this pivot-wire

is secured the short arms H, and the sliding blocks I are so fitted to these arms as to freely move longitudinally thereon for the purpose hereinafter set forth. The upper end of the blocks I are pivoted at J to the clip K, which latter is secured to the connecting-rod C by means of the screws L or in any other suitable manner. By this arrangement it will be seen that the swinging of the arms H will swing the blocks in such manner that the connecting-rods C will be caused to move the slats by reason of the blocks sliding upon the arms, as before set forth. For convenience in bringing about this movement I provide two operating-levers M, which are also pivoted upon the wire G, and I prefer that these levers should be made of spring metal, so as to be deflected inward, for the purpose hereinafter set forth, and they pass upward through slots N, formed in the blocks I, so that said blocks may slide upon these arms, while the latter shall have sufficient sidewise play to be sprung inward, as before set forth. The upper ends of the levers M terminate in finger-pieces O, by means of which the levers may be readily sprung inward by being grasped between the thumb and forefinger and may thereafter be swung upon the wire G, so as to bring about the movement of the blocks I, and consequently the operation of the connecting-rod C, as before stated.

The object of the levers being of spring material is that they may serve to lock the fastener in any adjustment, and this is accomplished by the points N, projecting from the lower portion of each of the levers and secured thereto in any convenient manner, so as to enter into engagement with the inner walls of the ears F, which walls may be notched or roughened, if found necessary, and thus serve to engage and hold the points when sprung outward, which in turn will hold the fastener in its adjustment.

In practice when the adjustment of the slats is to be changed this is readily accomplished by grasping the upper ends of the operating-levers, springing them inward until the points are disengaged from the inner walls of the ears, and then swinging these levers to the desired position and again releasing them, which will effect the locking thereof in their last adjustment, as before mentioned.



The use of my improved fastener proves to be of great advantage, since under ordinary circumstances it is difficult to adjust the slats of a shutter or blind and have them remain in that adjustment against a strong draft; but, as is obvious, this is readily and effectually accomplished by the use of my improvement.

The cost of manufacture of my improved fastener is comparatively small and is readily attached by a person of little or no skill.

Having thus fully described my invention, what I claim as new and useful is—

1. In combination with a shutter or blind, a slat-fastener consisting of a suitable bracket adapted to be secured to the bottom rail, arms pivoted to said bracket, sliding blocks fitted upon said arms, a clip secured to the connecting-rod of the slats and having said blocks pivoted thereto, two operating-levers also pivoted to the bracket, and points carried by said levers adapted to engage with the ears of the bracket, as and for the purpose set forth.

2. The herein-described combination of a bracket adapted to be secured to the bottom rail of the shutter or blind, ears having roughened inner surfaces formed with said bracket, arms pivoted between the ears, blocks fitted to slide upon said arms, a clip to which these

blocks are pivoted, said clips being secured to the connecting-rod of the slats, two operating-levers also pivoted between the ears, and points carried by levers adapted to engage with the roughened surfaces of the ears, as specified.

3. A slat-fastener consisting of a bracket having ears formed therewith, a pivot-wire secured within said ears, two arms pivoted upon said wire, two blocks fitted to slide upon the arms, said blocks being pivotally connected with the slat-rod having grooves formed in the sides thereof, two flexible levers also pivoted upon the pivot-wire, said levers passing through the grooves formed in the blocks, a finger-piece formed upon the outer end of each of the levers whereby they may be manipulated, and points carried by each of the levers for engagement with the inner walls of the ears in holding the fastener in adjustment, as shown and specified.

In testimony whereof I have hereunto affixed my signature in the presence of two subscribing witnesses.

WILLIAM L. AMBLER.

Witnesses:

MARY E. HAMER,  
S. S. WILLIAMSON.