

# Robert Bates, Sash-Fastener.

No 74,192.

Patented Feb. 11 1868.

Fig. 3.

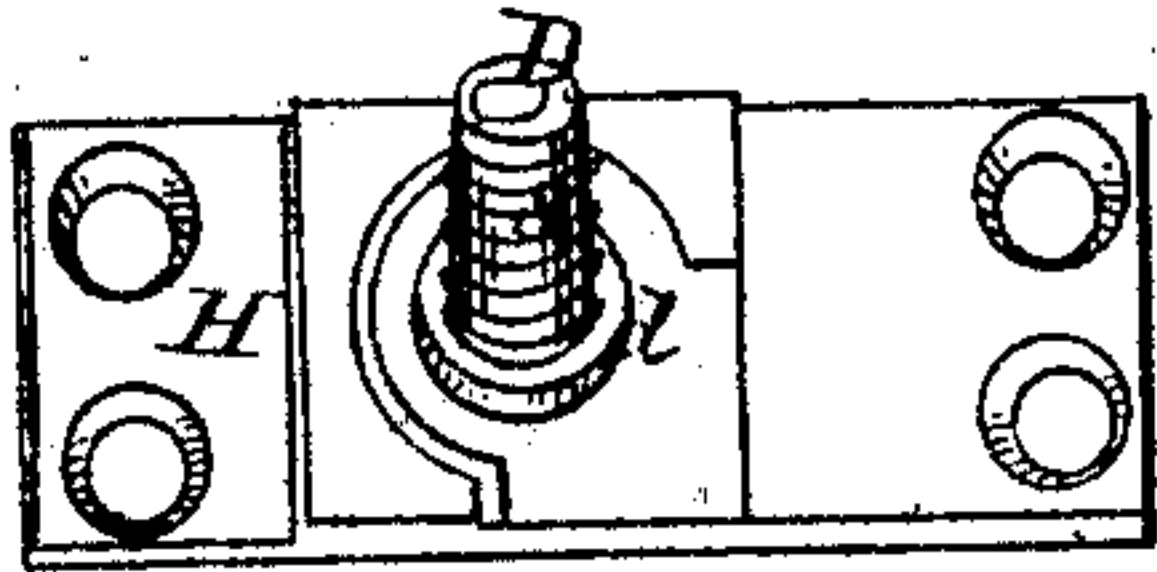


Fig. 4.

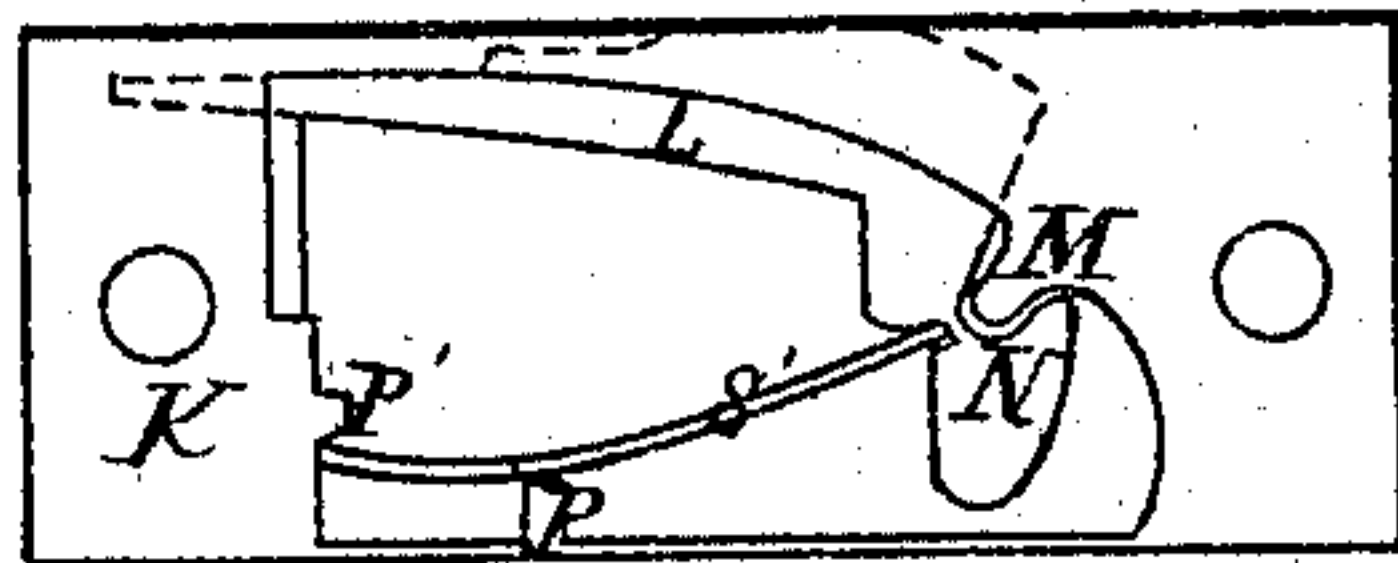


Fig. 1.

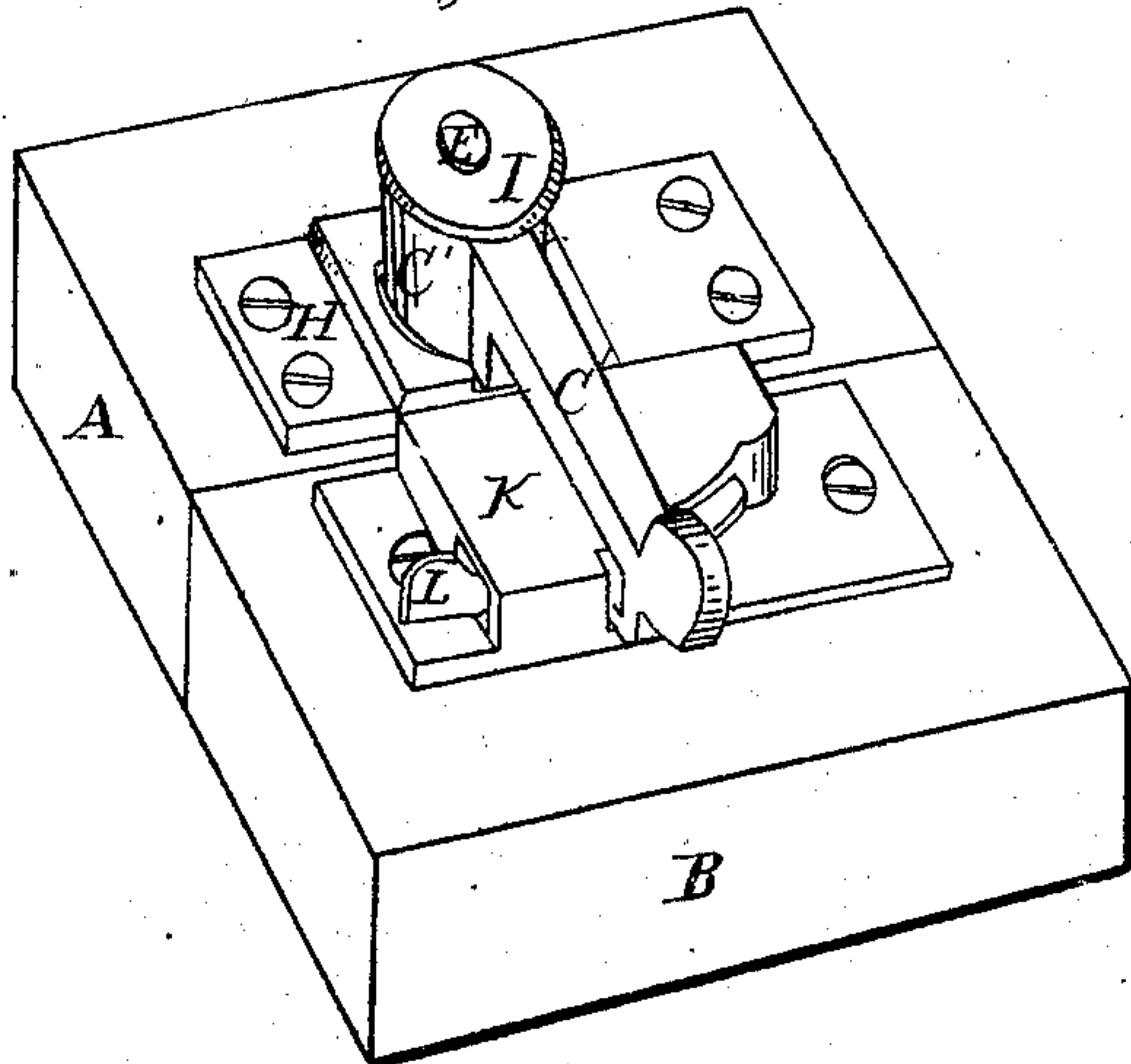


Fig. 2.

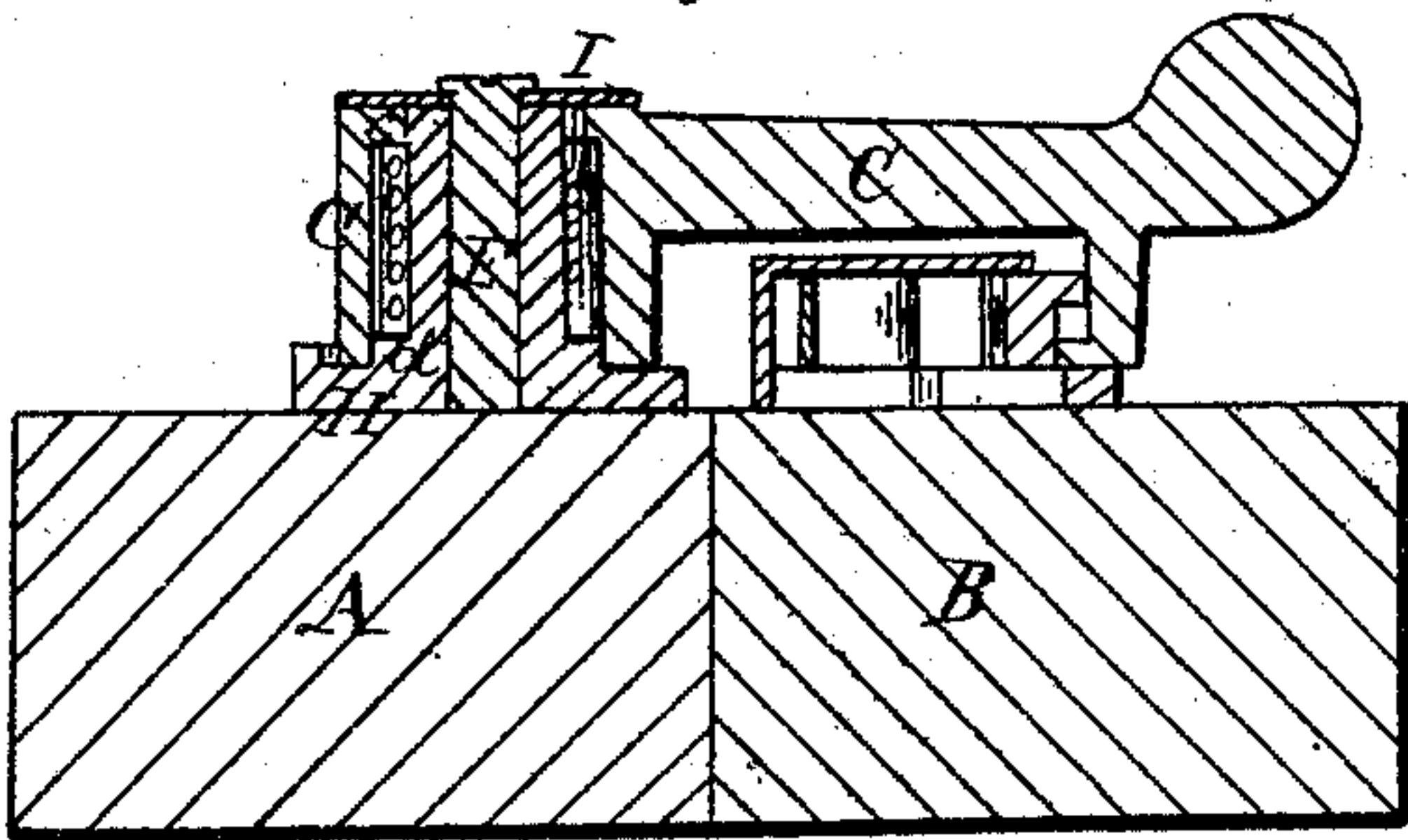
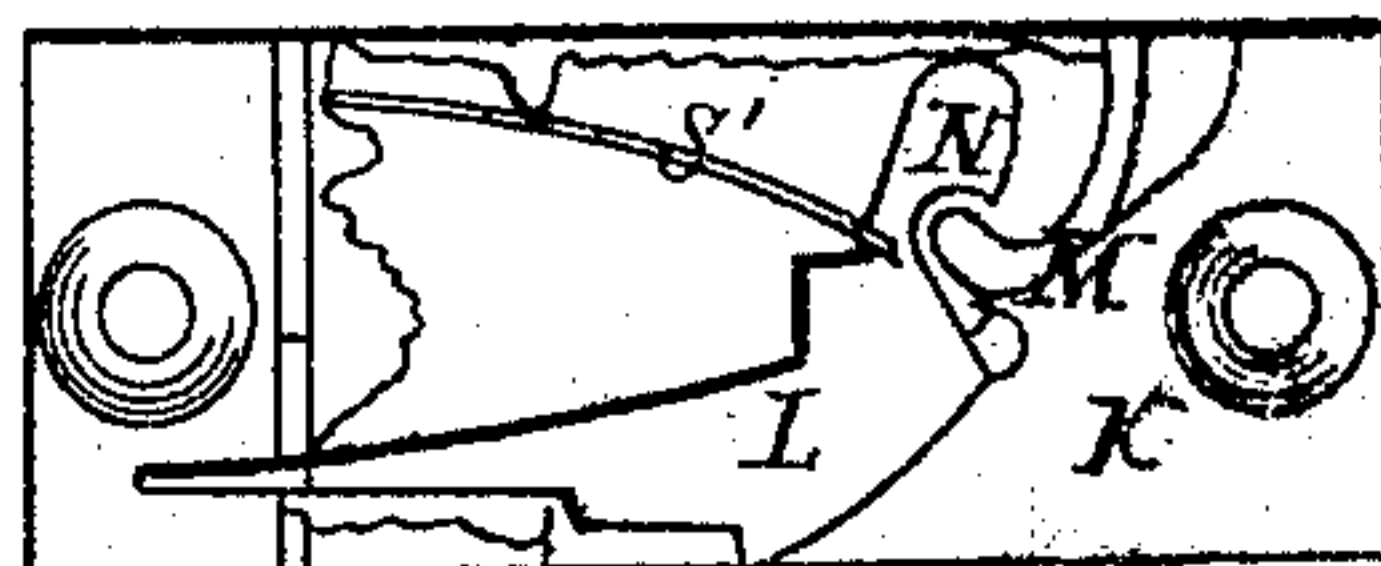


Fig. 5.



Witnesses:

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ROBERT BATES, OF COHASSET, MASSACHUSETTS.\*

*Letters Patent No. 74,192, dated February 11, 1868.*

## IMPROVEMENT IN WINDOW-SASH FASTENERS.

*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, ROBERT BATES, of Cohasset, in the county of Norfolk, and State of Massachusetts, have invented certain new and useful Improvements in Sash-Fasts; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in the peculiar construction of the parts of a sash-fast. The objects of the improvement are, first, to give a better bearing for the latch to swing on; and, second, to so simplify the construction of the catch and its housing that the parts can be cast and put together without drilling or riveting. The exact nature of my invention cannot be readily understood except by reference to the drawings and specification.

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

Figure 1 shows in perspective one of my fasts as it appears on the sashes.

Figure 2 is a vertical section through the same.

Figure 3 is a perspective, showing the plate H and spindle D, to which the latch C, figs. 1 and 2, is attached.

Figure 4 is a plan, looking from beneath, of the catch-housing K and the catch L.

Figure 5 is a plan of the same, looking from above, a part of the housing being represented as broken away.

The general features of my sash-fast are quite similar to those of the fasts in common use, and therefore do not need particular description.

H represents a bed-plate, to be made secure to the lower bar of the upper sash by means of wood-screws. Upon this bed-plate is the standard D, figs. 1 and 3. The standard D is enlarged near its base by the fillet *d*, figs. 2 and 3. This fillet forms a bearing for the lower end of the barrel C' of the latch C, fig. 2. By forming the standard D with the fillet *d*, I have a convenient space for the spring S, fig. 2, between the lower bearing *d* and the upper bearing *c* of the latch-barrel C'. I, fig. 2, is a washer, riveted to the standard by the rivet E, which serves to hold C' C in position. The object of the spring S is to throw the latch C back, when not held by the catch L, fig. 1. Upon examination of the drawings it will be seen that the bearings *c d* are at the extreme points of the barrel C', so that I secure all the advantages of a long bearing, and yet have a convenient cavity for the spring S.

The second part of my invention relates to the device for the construction of the catch L and housing K. The housing K, shown in perspective in fig. 1, in plan, bottom side up, in fig. 4, and in plan in fig. 5, with a part represented as broken out, is cast in the form represented. M is a projection from the inside of the wall of the housing, and fits into a notch, N, in the catch L, as shown in figs. 4 and 5, thus forming a pivot, upon which the catch L swings. The catch L has a projection, N, figs. 4 and 5, extending towards the walls of the housing, so that the catch cannot get out of place, that is, be slipped clear from the projection M, upon which it swings. S is a spring, sustained in position by projections P P', cast upon the inner wall of the housing. The use of all these parts is so well known as not to require further description.

I do not claim as my invention the latch C, the catch L, nor the combination.

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

1. The combination and arrangement of the standard D, the fillet *d*, and barrel C', made substantially as described, and for the purpose set forth.
2. The housing K, cast with the projection M, substantially as described, and for the purpose set forth.

ROBERT BATES.

Witnesses:

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*Assor to himself and Wm Hall of Brookline, Mass.*