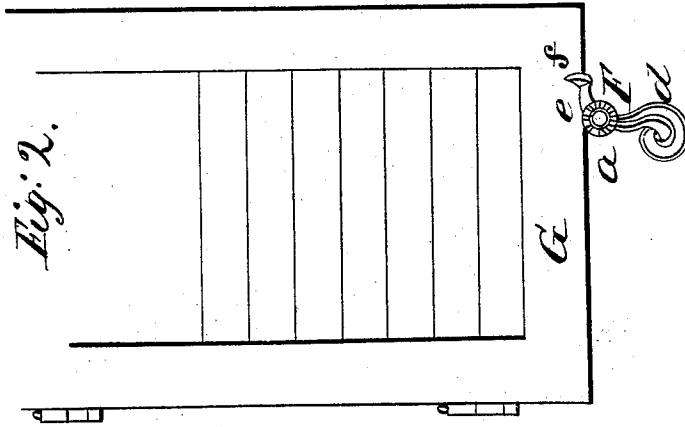


*J. L. Chapman,*

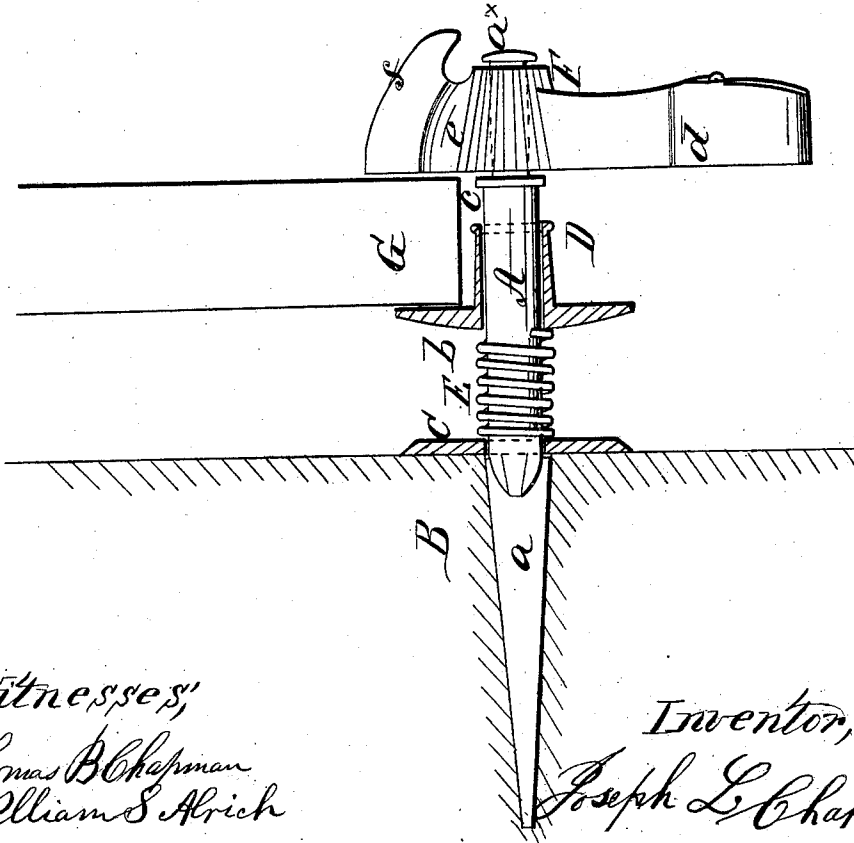
*Shutter Fastener.*

*N<sup>o</sup> 22,470.*

*Patented Dec. 28, 1858.*



*Fig. 1.*



*Witnesses,*  
*Thomas B. Chapman*  
*William S. Alrich*

*Inventor,*  
*Joseph L. Chapman*

# UNITED STATES PATENT OFFICE.

JOSEPH L. CHAPMAN, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO HIMSELF AND GEO. CHAPMAN, OF SAME PLACE.

## TURNBUCKLE FOR WINDOW-BLINDS.

Specification of Letters Patent No. 22,470, dated December 28, 1858.

*To all whom it may concern:*

Be it known that I, JOSEPH L. CHAPMAN, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and Improved Turnbuckle or Fastening for Securing Window Shutters and Blinds in an Open State; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1, is a sectional side view of my invention applied to a building and represented as securing a window blind in an open state. Fig. 2, is a diminished front view of ditto.

Similar letters of reference indicate corresponding parts in the two figures.

The object of this invention is to obtain a fastening that will secure window shutters or blinds in an open state without allowing the same to play or rattle and at the same time accommodate itself to shutters or blinds of different thicknesses, and one also that will not be liable to work loose in a building by the action of the shutter or blind upon it when thrown open.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A, Fig. 1, represents a spindle or cylindrical rod having a shank or tang *a*, at one end which is driven into the building B, at the proper spot. This spindle or rod may be of cast or wrought metal. On the spindle or rod A, a washer C, is placed loosely and a collar D, is also placed loosely on the spindle or rod said collar having an annular flanch *b*, at its inner end. On the spindle or rod A, and between the washer C, and collar D, a spiral spring E, is placed, and near the outer end of the spindle or rod there is a stop bead *c*. This stop bead *c*, prevents the outer end of the collar from coming in contact with the turn buckle, the stop bead is at the edge of a shoulder on the spindle, the outer part of the spindle beyond the shoulder being of considerably reduced diameter to form the axis of a turn buckle F, which is placed loosely thereon, and secured by a head *a'*. The turn buckle is simply a loaded latch which may be of scroll or other suitable form, the lower part *d*, being sufficiently heavier than the upper part *e*, to keep the latch *f*, on the part *e*, in a

vertical position and over the lower edge of the shutter or blind G, as shown in both figures.

From the above description it will be seen that when the blind G, is thrown open the lower edge of the blind will depress the latch *f*, pass behind it, and strike the flanch *b*, of the collar D, the spring E, yielding to allow the lower edge of the shutter to fit between the latch *f*, and the flanch *b*, it being understood that the latch *f*, rises to its original position on account of the weight of the lower part *d*, as soon as the lower edge of the blind has passed over the latch, and it will also be seen that the spring E, keeps the flanch *b*, pressed snugly against the shutter and between the flanch *b*, and latch *f*, so that there can be no play or rattle of the shutter, and shutters also of different thicknesses may be fastened by the same device, owing to the yielding of the spring *b'*.

The inner end of the spring E, bears against the washer C, which is in contact with the building and consequently the slight concussion or jar produced by the striking of the blind against the flanch *b*, will not be transmitted to the tang *a*, the latter therefore will not be liable to work loose in the building.

This invention is extremely simple and it possesses many advantages over the ordinary turn buckle or fastening. The shutter or blind G, not being allowed to play and rattle is a great improvement. The preventing also of the tang from working loose in the building, a contingency of frequent occurrence in stone or brick buildings is a great object and also the adjusting of the device to shutters or blinds of different thicknesses.

Having thus described my invention what I claim as new and desire to secure by Letters Patent, is,

1. The turn buckle F, and sliding collar D, provided with the flanch *b*, and the spring E, placed on the spindle or arbor A, the whole being arranged to operate substantially as and for the purpose set forth.

2. I also claim in combination with the above named parts, the washer C, placed on the arbor A, for the purpose set forth.

JOSEPH L. CHAPMAN.

Witnesses:

THOMAS B. CHAPMAN,  
WILLIAM S. ALRICH.