

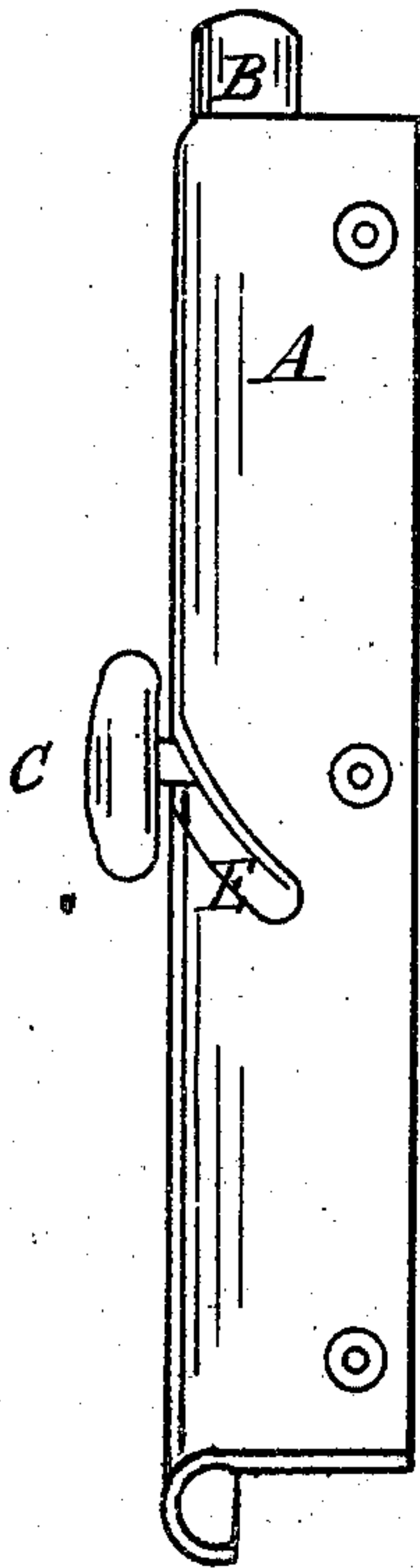
*T Rattenbury*

*Bolt*

*No. 74846*

*Patented Feb. 25. 1868*

*Fig. 1*



*Fig. 2*



*Witnesses*

*Chas. Atwood*  
*J. W. Houghton*

*Inventor*

*Thomas Rattenbury*

# United States Patent Office.

THOMAS RATTENBURY, OF DETROIT, MICHIGAN.

*Letters Patent No. 74,846, dated February 25, 1868.*

## IMPROVED SELF-ACTING BOLT.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO WHOM IT MAY CONCERN:

Be it known that I, THOMAS RATTENBURY, of the city of Detroit, in the county of Wayne, in the State of Michigan, have invented a new Self-Acting Bolt for double doors of every description; and I do declare that the following is an accurate description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, and being a part of this specification.

Figure 1 is a front view of the bolt.

Figure 2 is a rear view of the bolt, showing the bolt and spring inside the case.

The same letters represent similar parts of the bolt upon each figure.

The nature of my invention consists in using the case A, provided with the slot E, with the bolt B, and the thumb-piece C. Upon the end of the pin F, (which forms a part of the bolt B,) I place the spiral spring D, which forces the bolt back into the frame A when the doors are open. I make these bolts either right or left-handed, and apply them to double doors, upon the left-hand door at the top and bottom, in such a manner that, when the right-hand door is closed, the inner side of the door strikes the thumb-piece C, and forces the bolt B into the appropriate bolt-sockets, cut into the top and bottom of the door-frame. When the door strikes the thumb-piece, it revolves the bolt by the thumb-piece traversing the slot E.

The bolt is automatic in its operation, requiring nothing but the closing of the doors to fasten the left-hand door, when, by turning the key in the right-hand door, both are fastened.

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

1. The projection or thumb-piece C, working in the slot E, by which the closing of the second door compels the bolt B to act.

2. The combination of the above-described parts with the frame A, the spring D, and the stem F, when constructed to act automatically, substantially as described.

THOMAS RATTENBURY.

Witnesses:

H. S. SPRAGUE,

JEROME EBERTS.