

No. 622,714.

Patented Apr. 11, 1899.

J. E. SALADÉ.  
DOOR FASTENER.

(Application filed June 11, 1898.)

(No Model.)

Fig. 1.

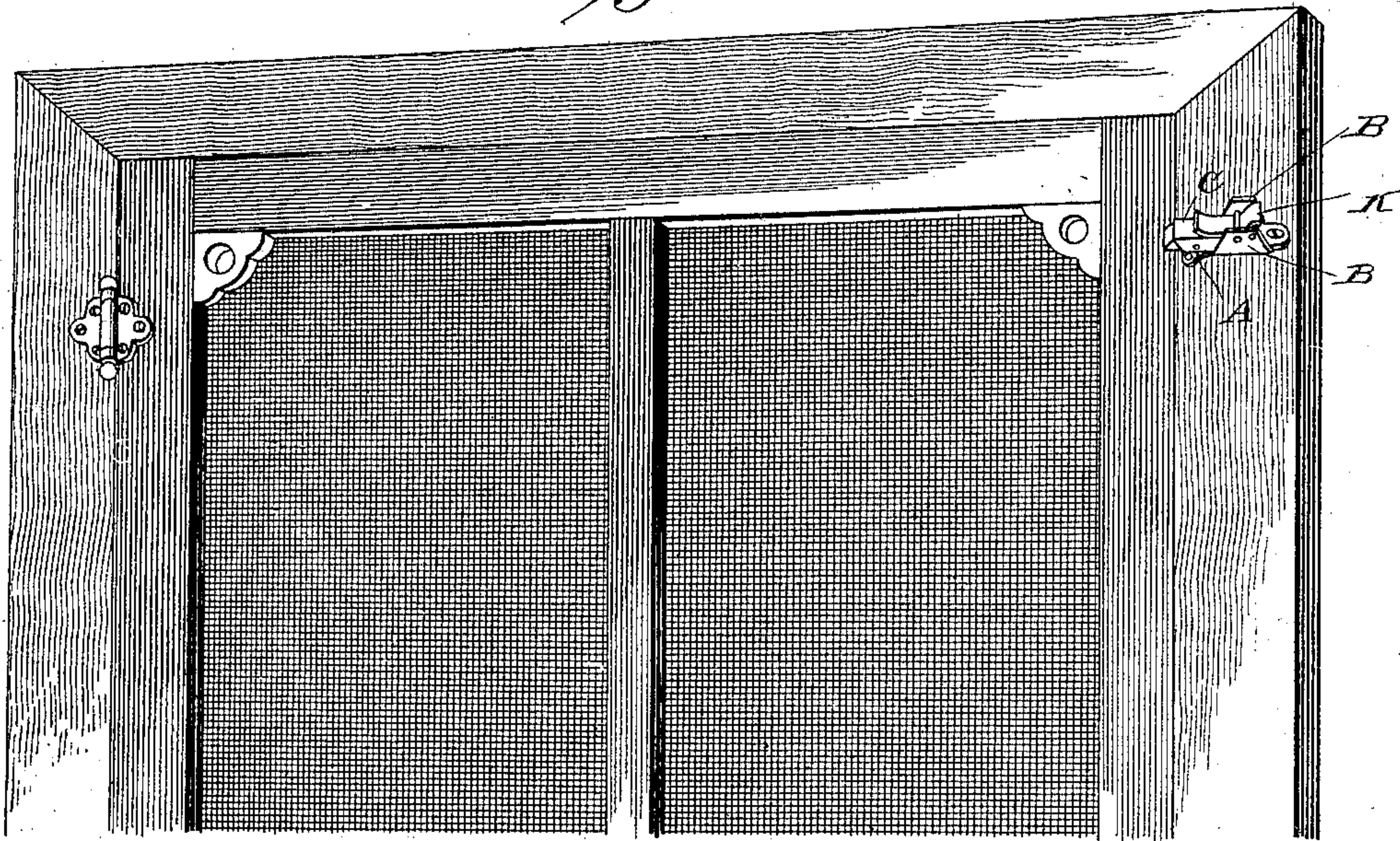


Fig. 2.

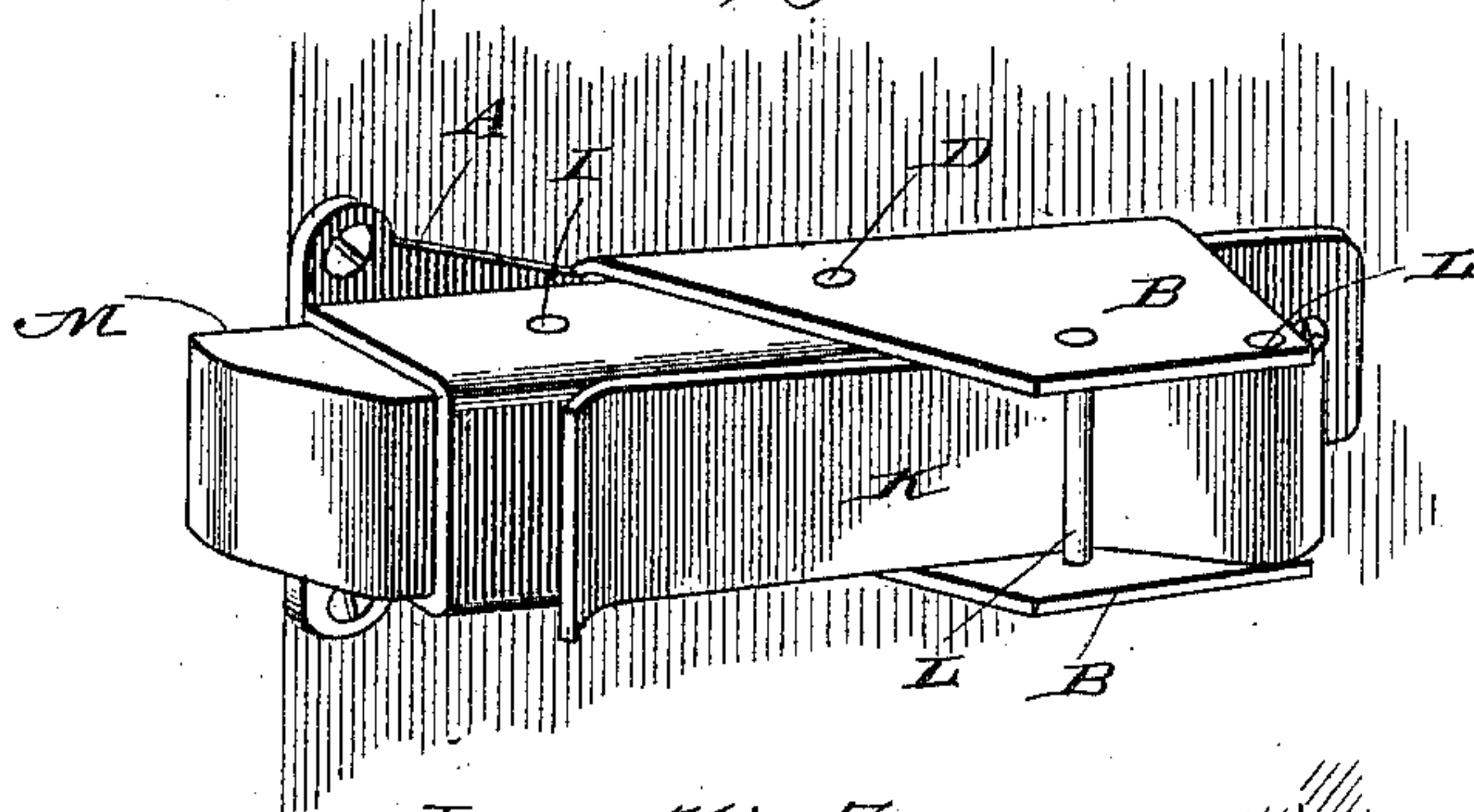


Fig. 3.

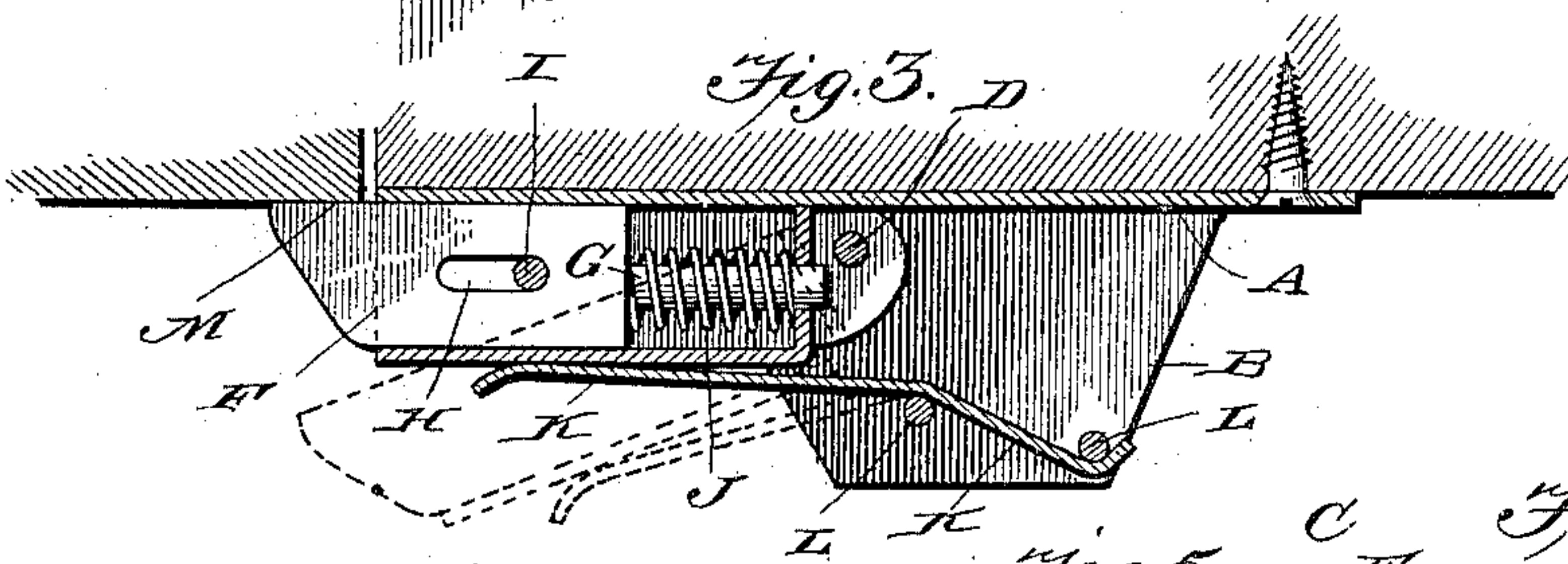


Fig. 4.

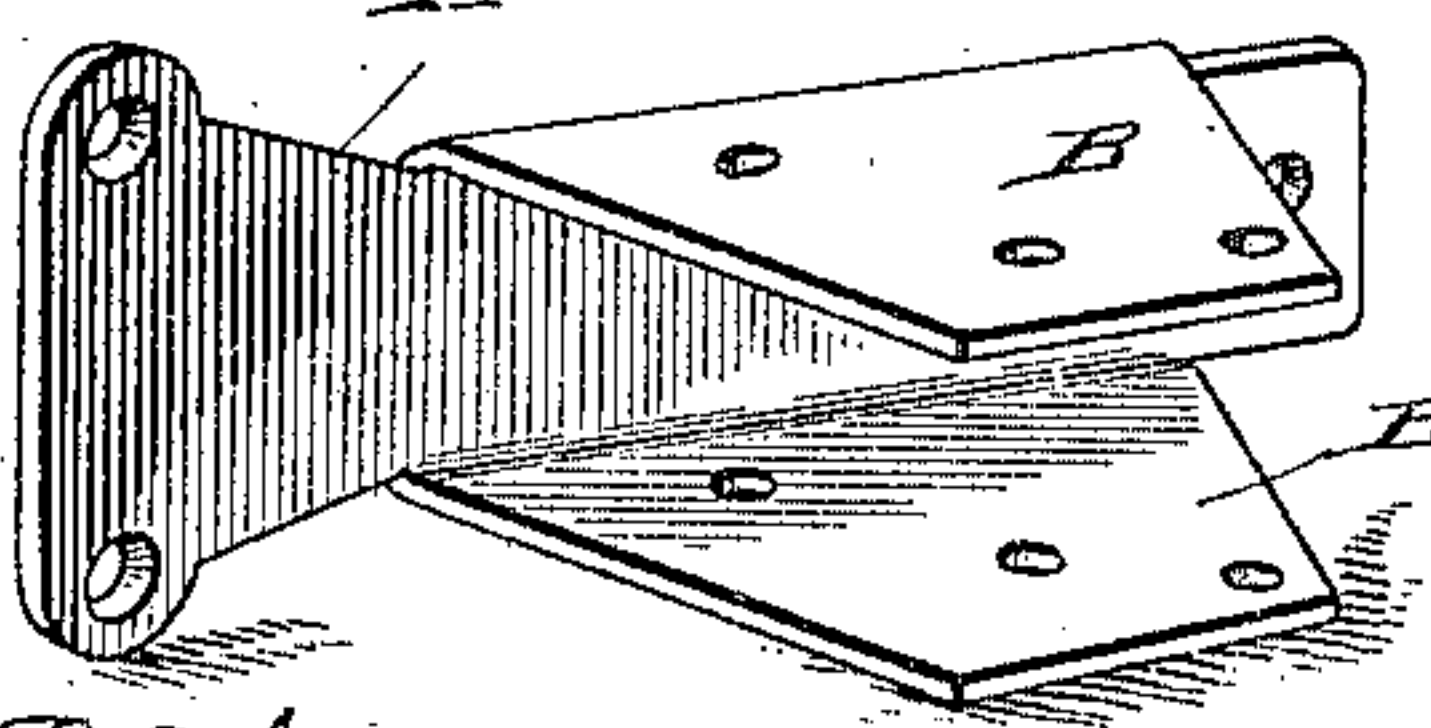


Fig. 5.

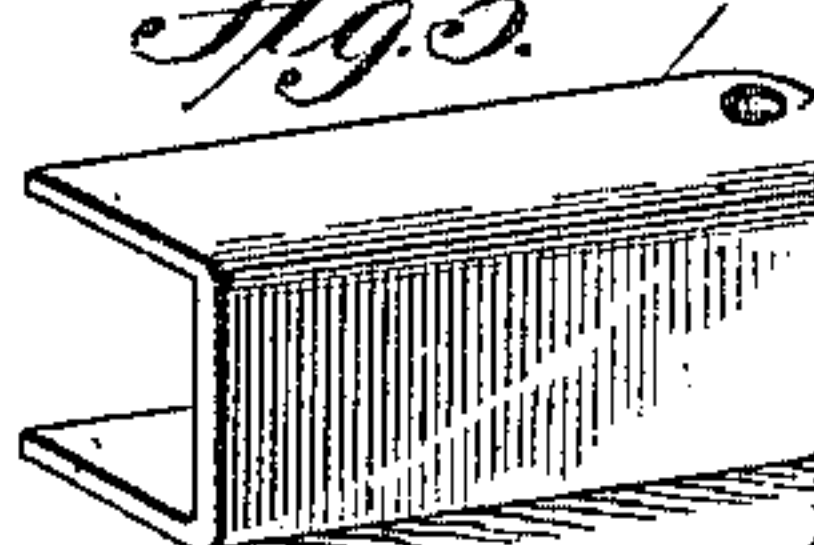


Fig. 6.

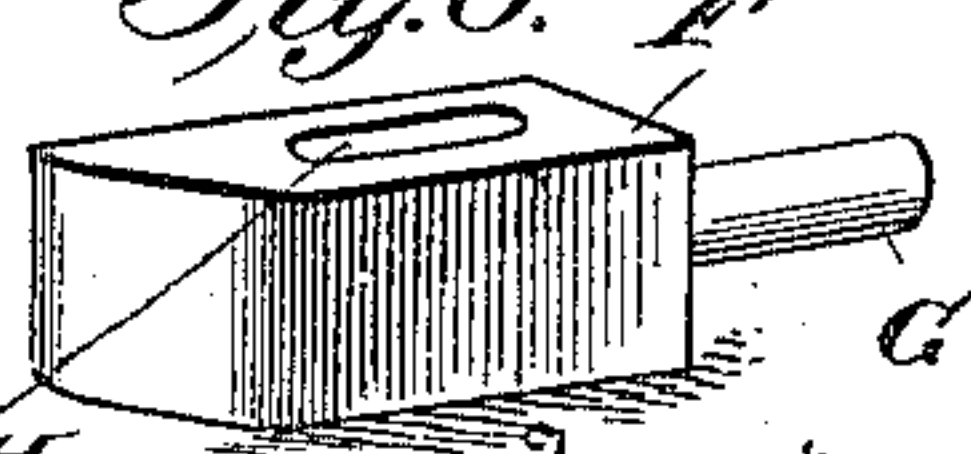
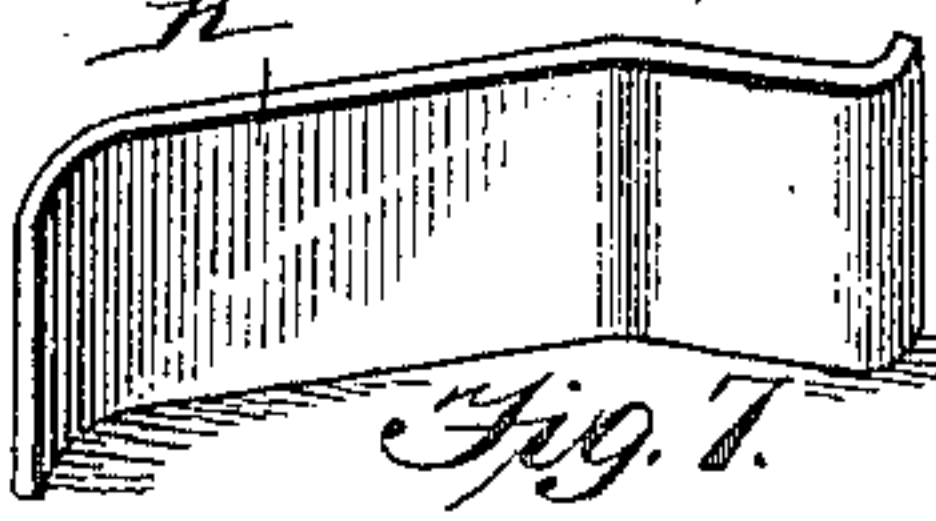


Fig. 7.



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# UNITED STATES PATENT OFFICE.

JOHN E. SALADÉ, OF LONE TREE, IOWA.

## DOOR-FASTENER.

SPECIFICATION forming part of Letters Patent No. 622,714, dated April 11, 1899.

Application filed June 11, 1898. Serial No. 683,217. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN E. SALADÉ, a citizen of the United States, residing at Lone Tree, in the county of Johnson and State of Iowa, have invented a new and useful Door-Fastener, of which the following is a specification.

This invention relates to door-fasteners; and the object thereof is to provide a fastener especially adapted for screen-doors for the purpose of holding the doors tightly closed to prevent the entrance of flies or other insects or the opening of the door by the wind, the fastener being so constructed as to automatically disengage and engage the door as the latter is opened and closed by a person passing therethrough.

The invention consists in the novel details of construction hereinafter fully described in the specification, specifically pointed out in the claim, and illustrated by the accompanying drawings, in which—

Figure 1 is a perspective view of a portion of a door and door-frame, showing my invention applied thereto. Fig. 2 is an enlarged perspective view of the fastener. Fig. 3 is a horizontal longitudinal sectional view of the same, dotted lines indicating the position of the parts when the bolt is swung laterally. Fig. 4 is a perspective view of the attaching-plate. Fig. 5 is a similar view of the bolt-casing. Fig. 6 is also a perspective view illustrating the bolt. Fig. 7 is a similar view of the spring for holding the bolt-casing against the attaching-plate.

Referring now more particularly to the accompanying drawings, A designates a plate adapted to be secured to the door-frame or other suitable securing means formed intermediate its ends with the flanges B projecting laterally from its longitudinal edges. Pivoted at one end, between these flanges, is the bolt-casing C, the same being pivoted through the medium of a pin D, passing through the flanges and ears E, formed on said casing. Movable longitudinally in the casing is a bolt F, having a stem G, movable through an opening in the end wall of the bolt-casing and formed with a longitudinally-extending slot

H, through which a pin I passes, said pin being secured at its respective ends in the walls of the casing. This bolt is normally held outwardly by a spring J, coiled about the stem thereof, as illustrated in Fig. 3. A leaf-spring K is secured at one end between the flanges B through the medium of the pins L, placed on opposite sides thereof, and at its outer end bears against the bolt-casing and holds the same normally pressed against the attaching-plate.

The straight inner face M of the bolt engages the door when the latter is closed and holds the same tightly closed to prevent the ingress of insects or the opening of the door by the wind. When it is desired to open the door to permit the passage therethrough of a person, the same is swung open and through its engagement with the straight face of the bolt swings the bolt-casing laterally, as illustrated in dotted lines in Fig. 3, until the door passes thereby. As soon as the door has passed the bolt the leaf-spring will return the latter to its normal position, and when the door is closed the cam-face of the bolt is engaged and said bolt is retracted until the door passes thereby and is closed, when the bolt will be forced outwardly by the coil-spring, thus holding the door closed.

From the above description it will be seen that I have produced a very simple and effective device for holding the door at all times tightly closed and yet permitting the same to be opened and closed when desired, the fastener operating automatically.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

The combination with a door, of an attaching-plate adapted to be secured to the frame thereof, a bolt-casing pivoted to said plate, a longitudinally-movable spring-actuating bolt in said casing, and a spring for holding the casing normally pressed against the plate, substantially as set forth.

JOHN E. SALADÉ.

Witnesses:

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