

No. 672,473.

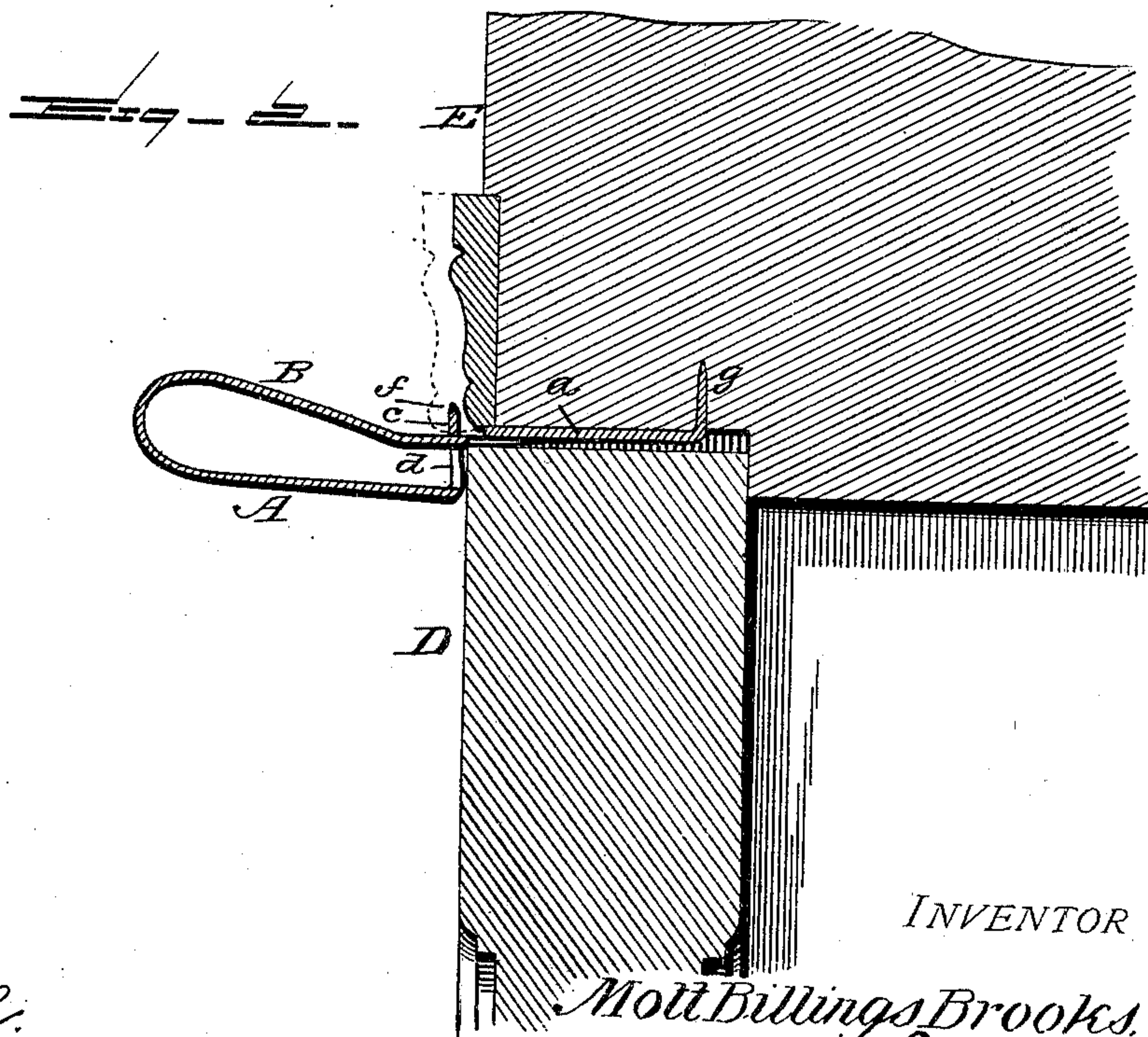
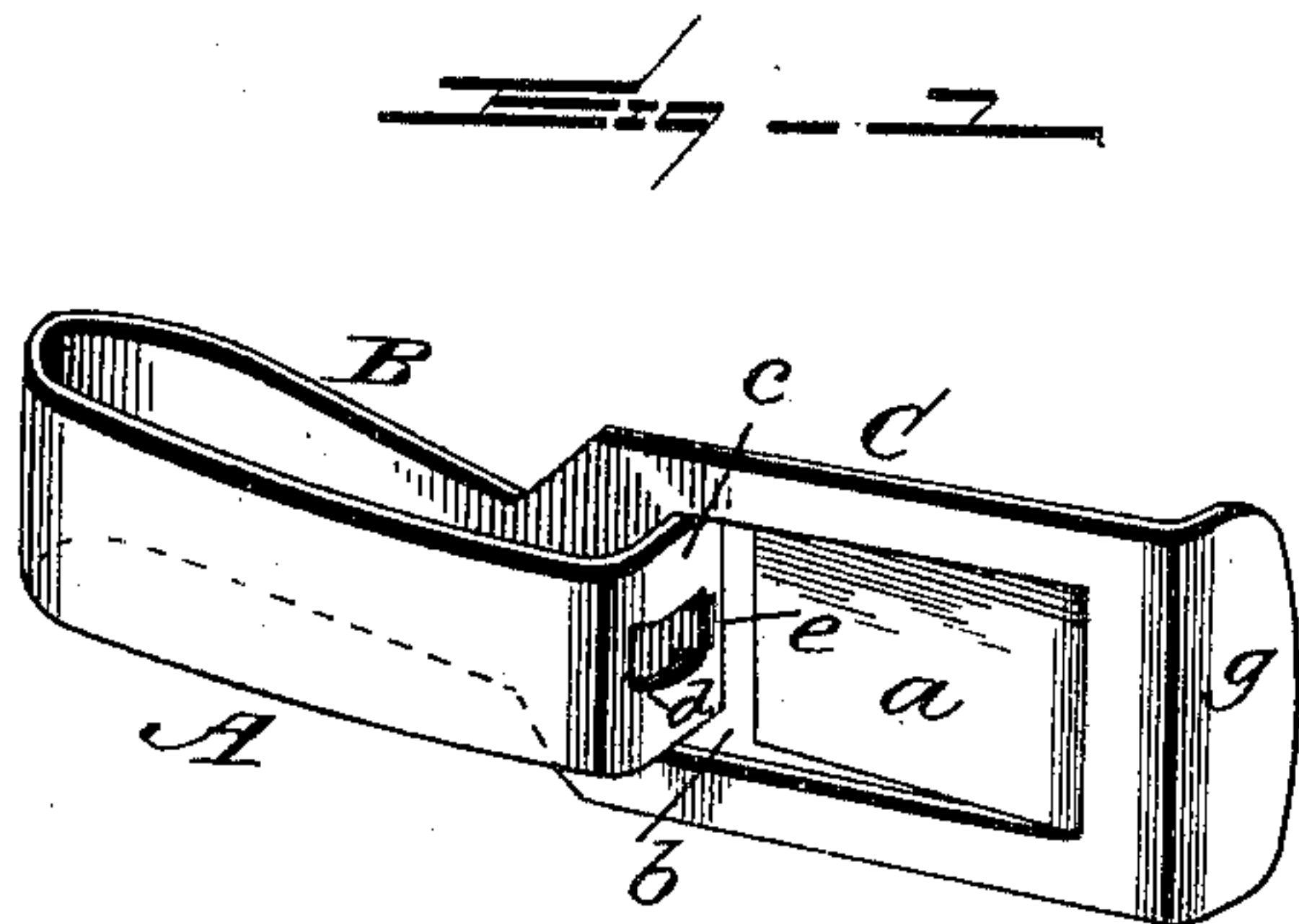
Patented Apr. 23, 1901.

M. B. BROOKS.

DOOR SECURER.

Application filed Feb. 9, 1901.

(No Model.)



WITNESSES:

Wm. F. Doyle.

E. R. Ruppert.

INVENTOR

Mott Billings Brooks.

BY

Chas. H. Fowler.

Attorney

UNITED STATES PATENT OFFICE.

MOTT BILLINGS BROOKS, OF ROCHESTER, NEW YORK.

DOOR-SECURER.

SPECIFICATION forming part of Letters Patent No. 672,473, dated April 23, 1901.

Application filed February 9, 1901. Serial No. 46,627. (No model.)

To all whom it may concern:

Be it known that I, MOTT BILLINGS BROOKS, a citizen of the United States, residing at Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Door-Securers; 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, and to the letters of reference marked thereon.

The present invention has relation to that class of door-securers adapted for attachment to the casing to automatically lock the door at the closing of the same; and the object thereof is to provide a simple, durable, and effective door-securer that may be readily attached to or removed from the casing, as desired, and possesses the requisite strength to hold the door closed against any pressure from the outside and admit of the door being unfastened from the inside when desired.

The invention consists in a door-securer constructed substantially as shown in the drawings and hereinafter described and claimed.

Figure 1 of the drawings is a perspective view of a door-securer embodying my invention, and Fig. 2 a sectional view showing the door-securer in position with relation to the door and the door-casing.

In the accompanying drawings is shown the door-securer constructed from a single strip or rectangular piece of spring-steel or other suitable sheet metal, as found desirable, this strip or piece of sheet metal being bent in such shape as to present a suitable spring A and the arm B, said arm terminating in a body C of increased width. This body C is formed with a spring-tongue *a* to bear against the door-frame to hold the securer in the required position in relation thereto, said body terminating in a spur or projection of any suitable form or construction that will readily enter the wood of the door-casing to secure the device thereto. An opening *b* is left between the free end of the spring-tongue *a* and the body C, and in this opening plays the stop or flange *c* upon the end of the spring A, said stop or flange having a slot *d*, with which engages the lip *e*, formed on the body C. The stop or flange *c* has a sharp edge *f* to enter the wood of the molding when said molding projects beyond the plane of the door when closed; otherwise the device could not be suc-

cessfully applied to a casing having projecting moldings.

To better illustrate the advantage of the stop or flange *c*, by reference to the dotted lines of Fig. 2 of the drawings it will be seen that the molding indicated by dotted lines projects some distance beyond the plane of the door when closed, and without some provision was made to have the stop enter said projecting molding the spur or projection *g* could not enter the wood of the door-frame on account of the end of stop or flange *c* being in the way. It is for this reason that the stop or flange *c* is made to enter the wood, so that the spur or projection will in like manner enter the wood of the door-casing the required distance, as shown in Fig. 2 of the drawings.

The spring-tongue *a* acts to force the body C against the edge of the door, as indicated at D, so that a firm lock will be made between the door and door-frame E, as shown in Fig. 2 of the drawings.

It is evident that many changes or modifications may be made in the details of construction without in any manner affecting the essential features of the invention, and any such changes as would come within ordinary mechanical skill may be resorted to without affecting the practical working of the device.

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

1. A door-securer comprising a spring terminating in a stop or flange, an arm integral therewith having a body formed with a spring-tongue and a spur or projection upon the end of the body and substantially at right angles thereto, the stop or flange entering a slot or opening in the body, substantially as and for the purpose set forth.

2. A door-securer comprising a spring and an arm integral therewith, the arm terminating in a body having a spring-tongue and a spur or projection, and the spring having a slotted stop or flange and a guide-lip upon the body engaging with the slot, substantially as and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

MOTT BILLINGS BROOKS.

Witnesses:

GEORGE M. BOND,
C. M. FORREST.