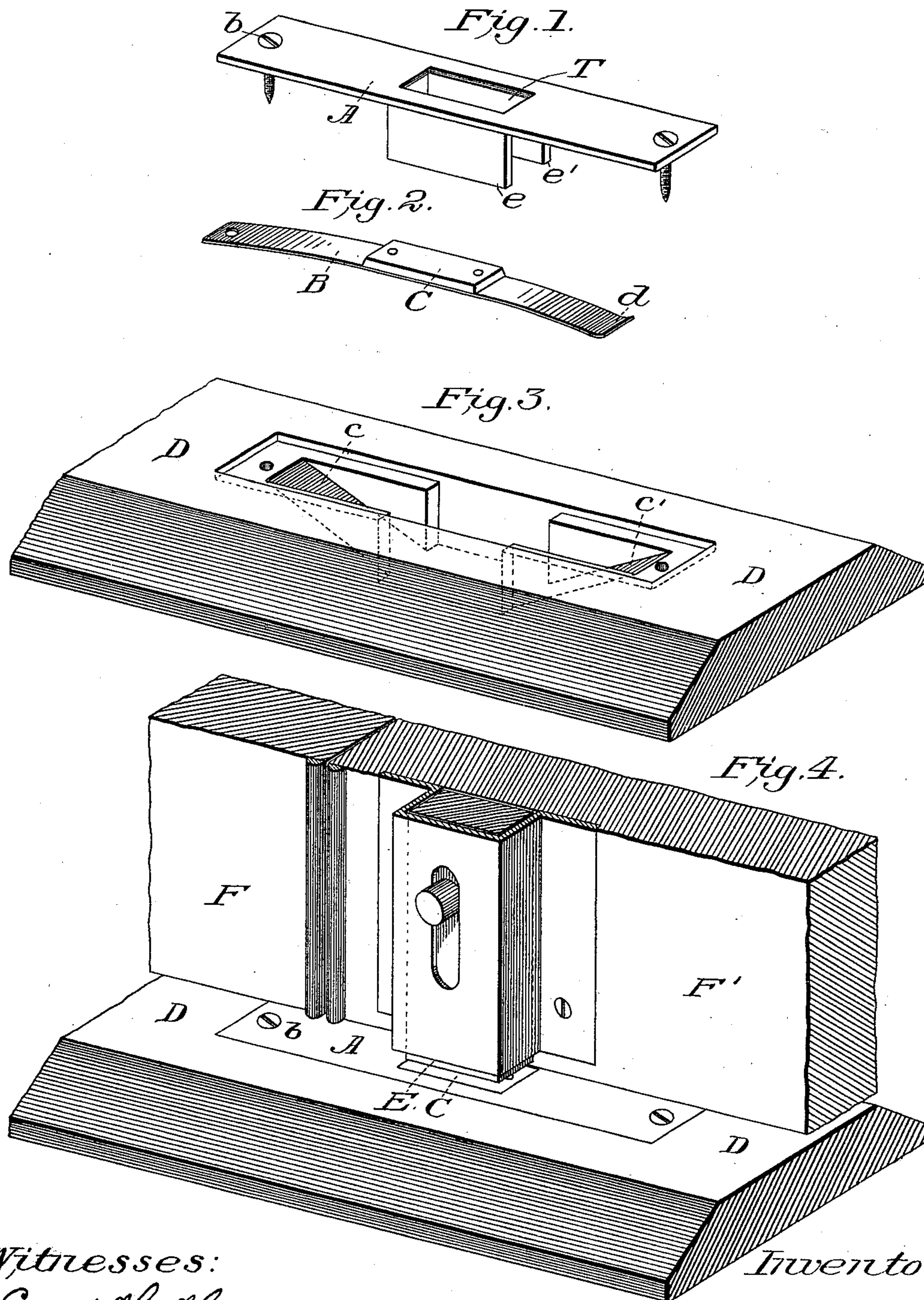


(No Model.)

B. HEYMANSON.
BOLT SOCKET.

No. 518,405.

Patented Apr. 17, 1894.



Witnesses:
Ernst H. Hesse.
Louis Antisell

Inventor:
Benjamin Heymansson

UNITED STATES PATENT OFFICE.

BENJAMIN HEYMANSON, OF BOISE CITY, IDAHO.

BOLT-SOCKET.

SPECIFICATION forming part of Letters Patent No. 518,405, dated April 17, 1894.

Application filed October 16, 1893. Serial No. 488,334. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN HEYMANSON, a citizen of the United States, residing at Boise City, in the county of Ada and State of Idaho, have invented a new and useful Bottom-Bolt Spring-Socket for Folding Doors, of which the following is a specification.

My invention relates to improvements in bottom bolt spring sockets for folding doors, and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others, skilled in the art to which it appertains, to make and use the same.

The object of my invention is to keep the bolt socket from filling up with dirt or sweepings when the doors are open, as nearly every day the bolt socket fills up and has to be cleaned, or picked out to allow the bolt to enter. I attain this object by the device illustrated in the accompanying drawings.

Figure 1, represents the bottom bolt socket plate with two bolt socket bearings, or jambs, on opposite sides of bolt opening. Fig. 2, represents the spring with the filling plate riveted to it, fitting the bolt opening, which is made a little wider beneath than at the top, as likewise the filling plate to fit the bolt opening in socket. Fig. 3 represents the mortise for the socket plate. The spring B is screwed down with plate A at *b*, and operates in the mortise beneath bolt socket plate, on the inclined planes *c* and *c'*, shown in Fig. 3. The spring is turned upward in a curve at *d* and moves freely downward when bolt is pushed in socket, and on raising the bolt the spring B throws the filling plate C upward and into the opening T, closing the same and preventing dust or dirt from filling the socket.

Fig. 4 shows the entire device adjusted with bolt attached to door F'.

Similar letters refer to similar parts throughout the several drawings.

It will now be seen, that when the bolt is pushed down, it will push the filling plate C down through the socket, it closes the opening and fastens the door, and when bolt is raised, the spring B will throw the plate into socket opening, closing same, and preventing dust or dirt from entering. Any of the bolt devices attached to bottom of doors will successfully operate in new spring socket device, and the mortises made in strip, beneath the doors now employed for sockets are easily changed by lengthening the same and cutting in the strip D the two inclined planes *c* and *c'*, shown in Fig. 3, for the spring and slug, Fig. 2, to work in. The spring B should be made only of sufficient strength to operate the plate, so as not to throw open the bolt, where no bolt catch is employed. The filling plate fits closely between the bearings or jambs *e* and *e'*, forming guides, between which it freely moves up and down as the bolt is raised or lowered.

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

In a bolt socket or strike plate the combination of plate A having an opening for the bolt of a flat spring plate B provided with the filling plate C for the bolt opening substantially as described.

BENJAMIN HEYMANSON.

Witnesses:

ERNST H. HESSE,
J. W. COOVERT.