

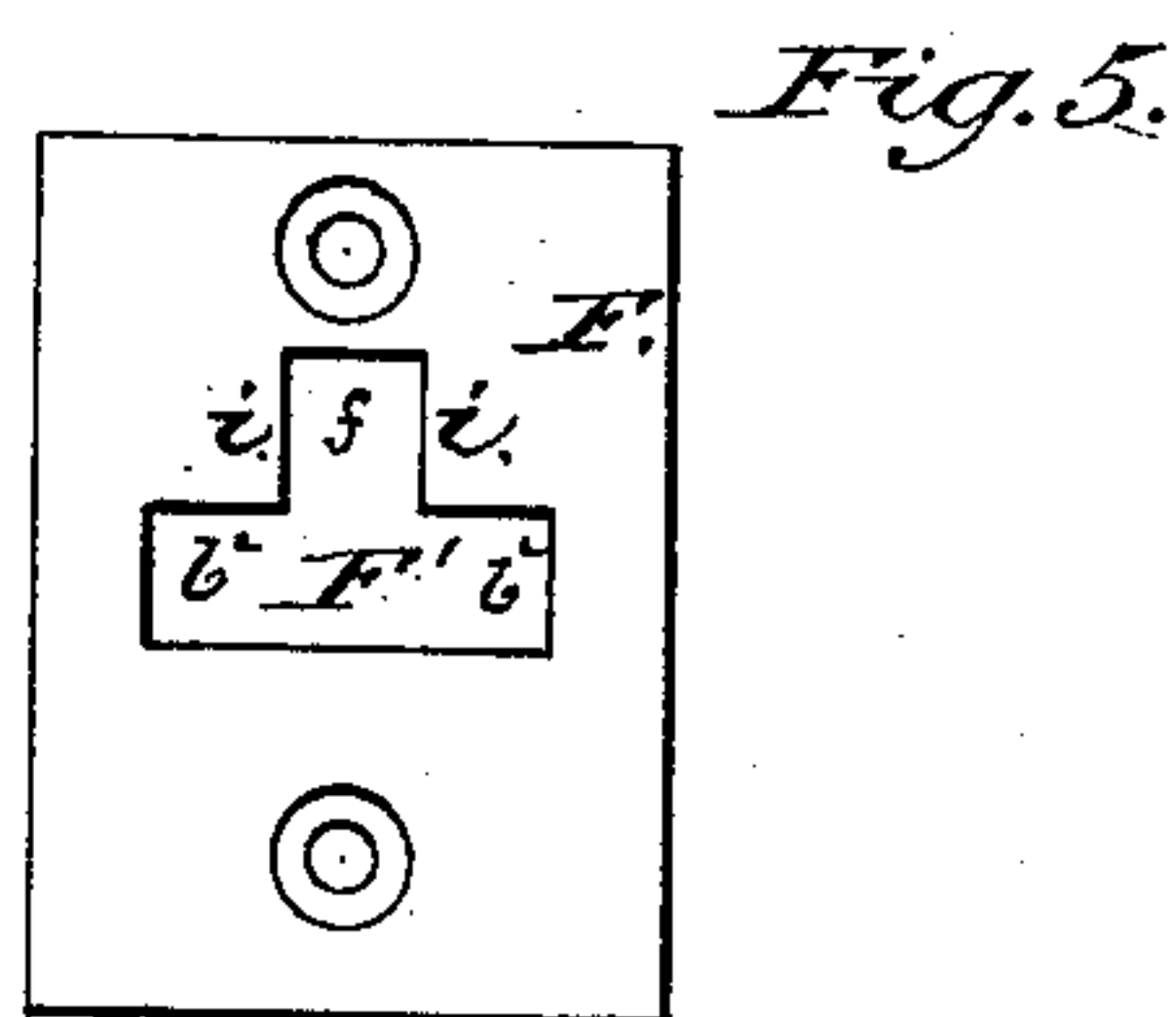
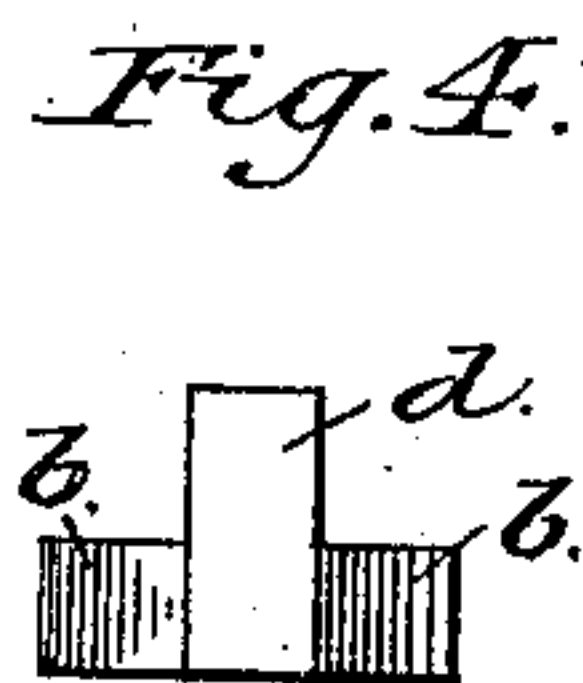
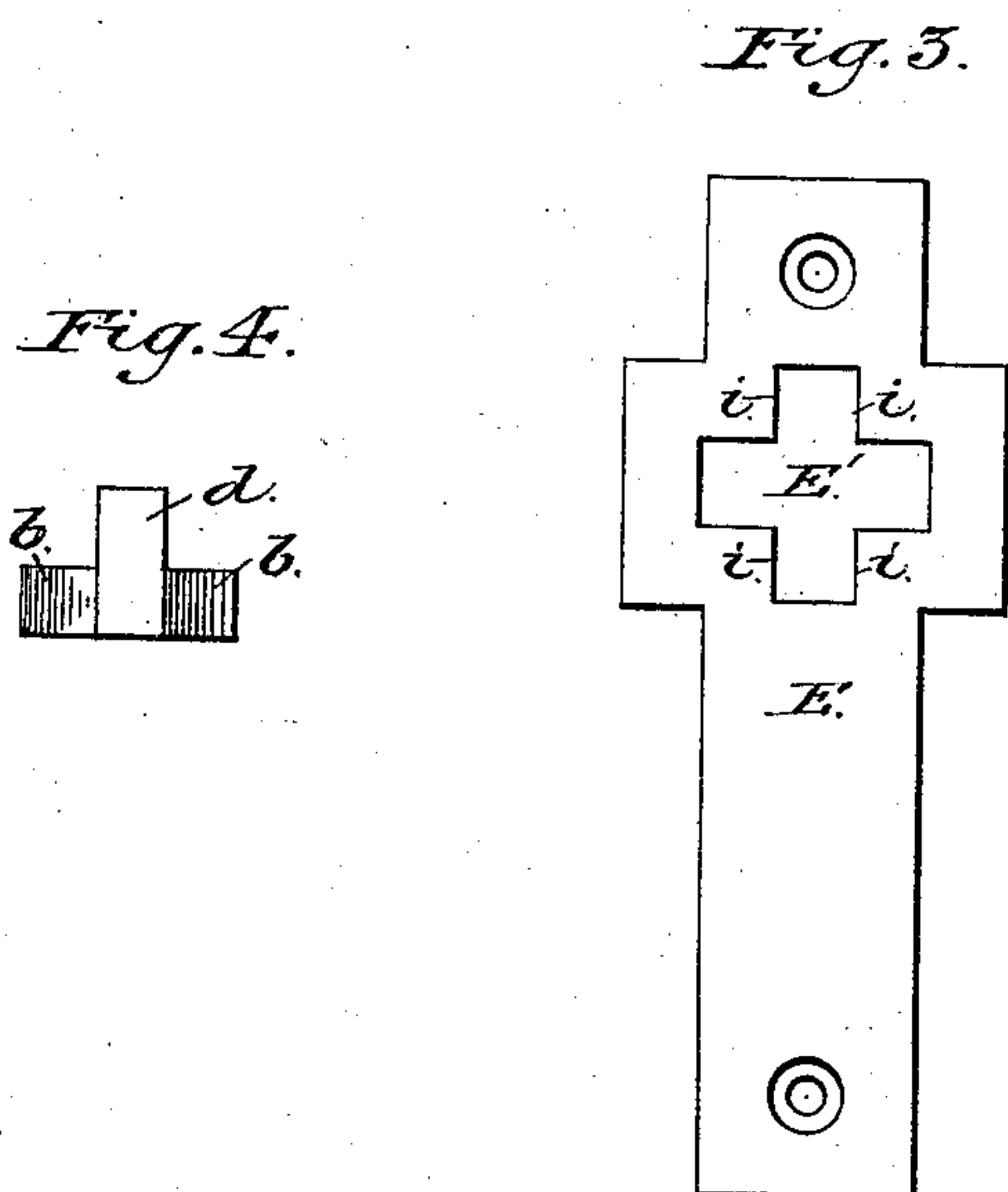
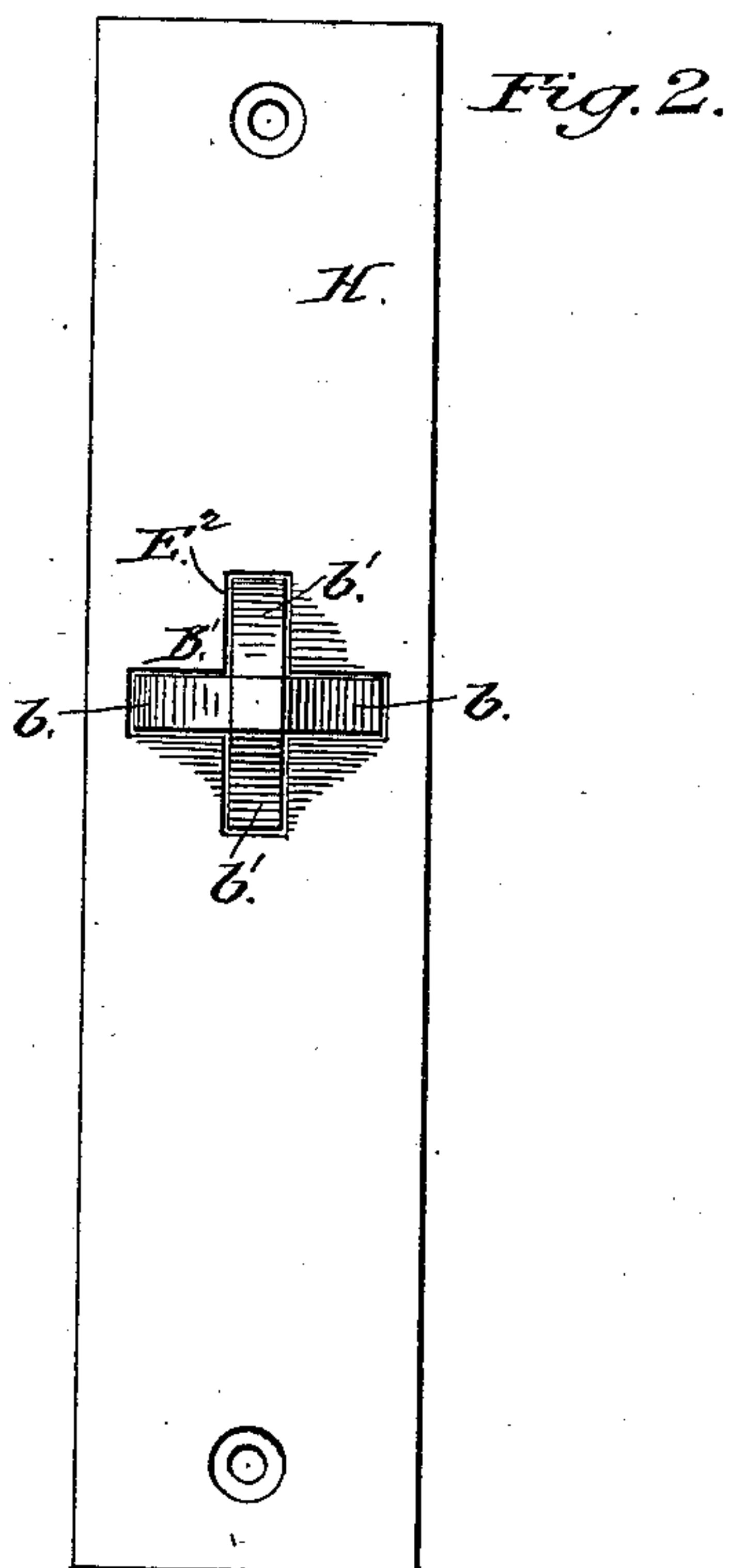
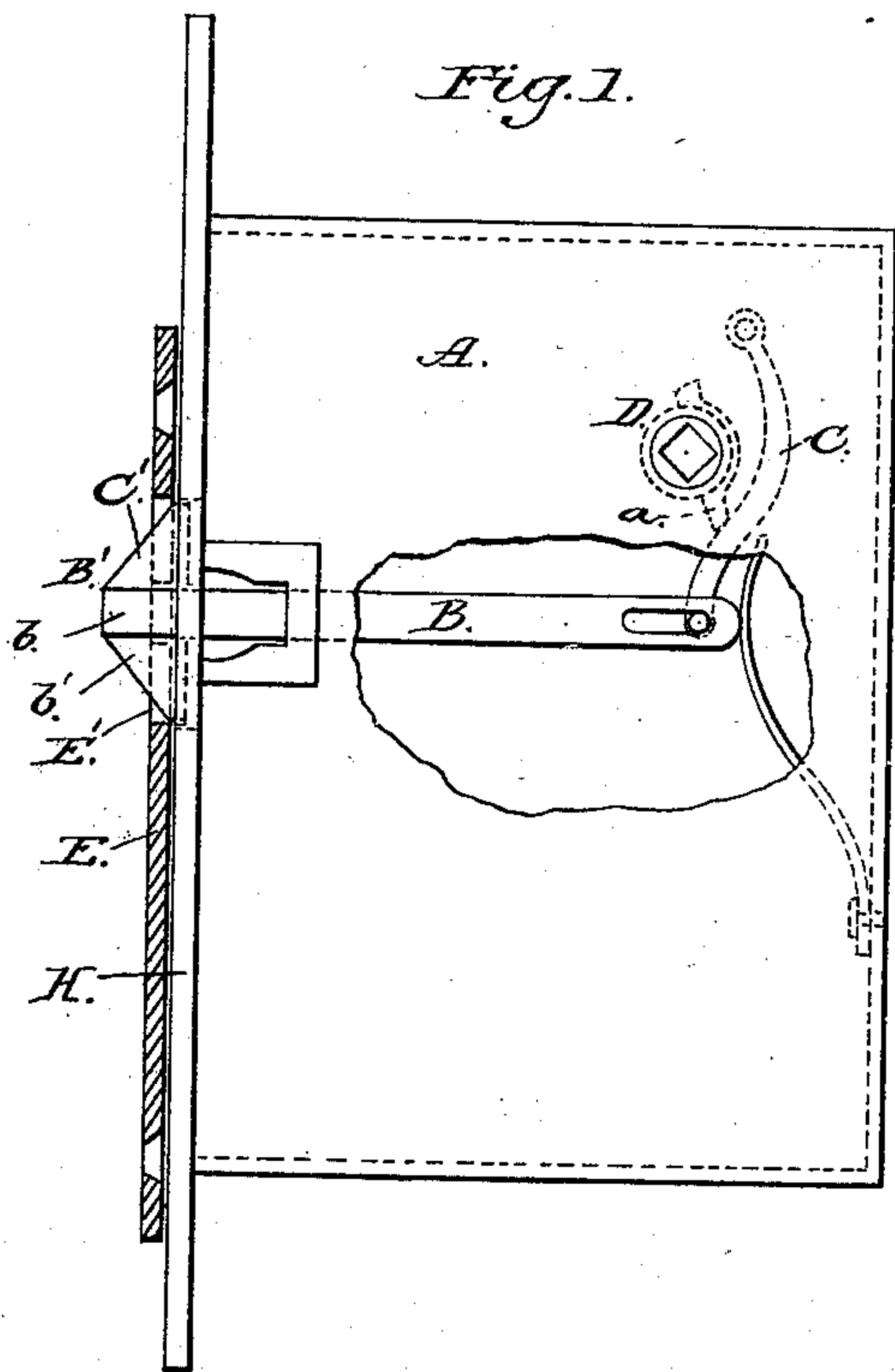
(No Model.)

J. E. PARKER.

BOLT.

No. 376,544.

Patented Jan. 17, 1888.



WITNESSES:

John A. Ellis.
G. Sedgwick.

INVENTOR:

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UNITED STATES PATENT OFFICE.

JOHN E. PARKER, OF HAMILTON, ONTARIO, CANADA.

BOLT.

SPECIFICATION forming part of Letters Patent No. 376,544, dated January 17, 1888.

Application filed August 6, 1887. Serial No. 246,261. (No model.)

To all whom it may concern:

Be it known that I, JOHN E. PARKER, of Hamilton, in the Province of Ontario and Dominion of Canada, have invented a new and useful Improvement in Bolts for Door-Locks and other Fastenings, of which the following is a full, clear, and exact description.

My invention relates to a bolt designed more particularly for flap-doors hinged to swing in both directions, but may be used on windows, trap-doors, and in various other situations.

The invention consists, principally, in forming the outer end of the bolt which engages with the apertured plate with two or more bevels and with a stop for holding the bolt in the aperture of the plate.

The invention also consists of the special construction of the bolt and of the combination therewith of a casing and spring, all as hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a broken side elevation of a door-lock case having my new bolt applied thereto, and showing also a striker-plate in sectional elevation. Fig. 2 is a front elevation of the casing and bolt. Fig. 3 is a front elevation of the striker-plate. Fig. 4 shows a modified form of the bolt, and Fig. 5 a modified form of the plate.

The casing A may be of any approved construction provided with means for forcing the bolt B forward, said means consisting in this instance of a common plate-spring. The bolt may be withdrawn by a lever, C, and spindle D, provided with a lug, *a*, or by any other suitable means. The outer end of the bolt B is enlarged to form a head, B', which is formed with two or more opposite beveled edges, *b b'*. In the form of bolt shown in Figs. 1 and 2, I make the head of the bolt with four beveled edges, so that the bolt is adapted to be used upon a door or other object opening in any

direction. In the form of bolt shown in Fig. 4, the same is formed with but two beveled edges, *b*, and a side projection or stop, *d*, to engage with a notch, *f*, made in the retaining or striker plate E. (Shown in Fig. 5.) This plate is formed with the two side openings, *b²*, to receive or form clearances for the center and beveled portions of the head of the bolt.

I prefer to form the head of the bolt star-shaped, as in Figs. 1 and 2, with four beveled edges, *b b' b' b'*, in which case the retaining or striker plate E will be formed with a four-sided aperture, E', as shown clearly in Fig. 3. When the bolt thus constructed is arranged as shown in Figs. 1 and 2, the beveled edges *b b* are the chafing-surfaces and permit the door to which it is applied to close freely from either direction, while the edges *b' b'* serve as stops to enter the vertical portions of the aperture E' and act against the vertical edges *i i* to retain the door.

It will be understood that the face-plate of the lock will be formed with an opening, E², to correspond with the shape of the outer end or head of the bolt.

By constructing the bolt as described, it is adapted to all methods of door-hanging, and when used on house-doors it has special advantage in not presenting any projection on which clothing can be caught and torn.

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

1. The bolt B for door-locks, formed with two or more beveled faces and stop-surfaces, substantially as described.

2. The retaining or striker plate E, formed with the aperture E', having stop edges *i i*, in combination with the bolt formed with the beveled edges *b b'*, substantially as described.

JOHN E. PARKER.

Witnesses:

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ROBT. A. WYLLIE.