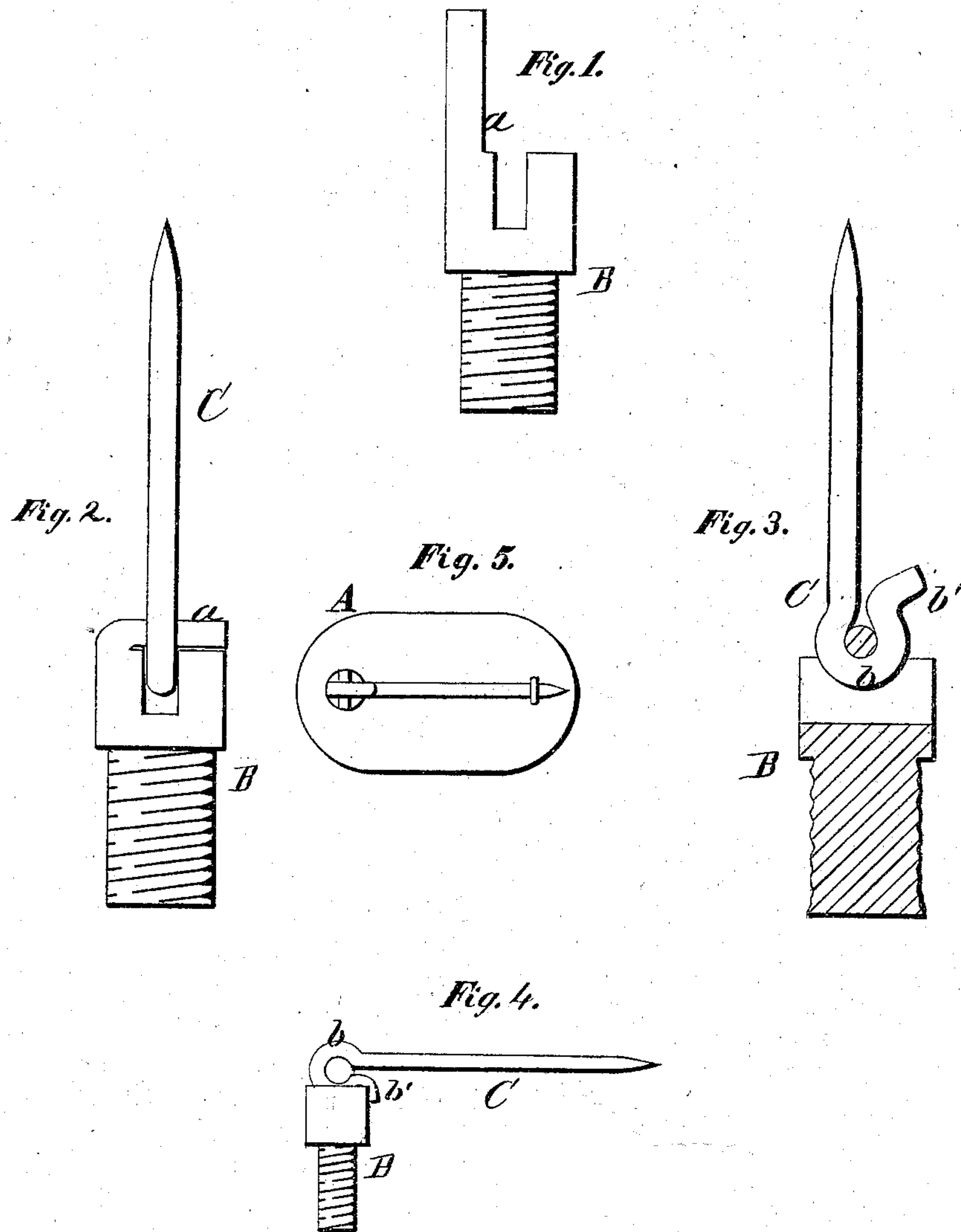


A. LYONS & I. B. ABRAHAMS.

Pin-Hinges.

No. 138,418.

Patented April 29, 1873.



Witnesses.
C. B. Steele
Geo. E. Upham.

Inventors
Abraham Lyons,
Isaac B. Abrahams,
Chipman & Son & Co
Atty

UNITED STATES PATENT OFFICE.

ABRAHAM LYONS AND ISAAC B. ABRAHAMS, OF NEW YORK, N. Y.

IMPROVEMENT IN PIN-HINGES.

Specification forming part of Letters Patent No. **138,418**, dated April 29, 1873; application filed September 21, 1872.

To all whom it may concern:

Be it known that we, ABRAHAM LYONS and ISAAC B. ABRAHAMS, of New York, in the county of New York and State of New York, have invented a new and valuable Improvement in Brooch-Pin Hinges; and we do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of the pin-post. Fig. 2 is a view of the same, showing pin attached. Fig. 3 is a sectional view of the same. Fig. 4 is a side view, and Fig. 5 is a bottom view, of the brooch.

This invention has relation to brooch-pin hinges; and it consists in forming the hinge-pivot by bending over a projection on the end of the hinge-post, substantially as hereinafter more fully described.

Referring to the drawing, A represents the brooch; B, the hinge-post, having a threaded shank so that it may be secured to the brooch.

The head of this post is slotted to receive the eye of the pin C, and has a projection, *a*, which is bent over and passed through the eye of the pin, thus forming a pivot for the pin to work upon. The eye of the pin is made by bending the blunt end to the form of a loop, as shown at *b*. A projection or stop, *b'*, is made by turning out the end, so that when the pin is in the hook it can go no further, the stop then coming in contact with the head of the post B.

What we claim as our invention, and desire to secure by Letters Patent, is—

In combination with a brooch-pin, the post B, cleft at its head and having an extension, *a*, adapted to be bent over and passed through the eye of the brooch-pin, substantially as specified.

In testimony that we claim the above we have hereunto subscribed our names in the presence of two witnesses.

ABRAHAM LYONS.
ISAAC B. ABRAHAMS.

Witnesses:

L. H. GANO,
SAMUEL LYONS.