

I. A. Ives. Button.

No. 21,341.

Patented Aug. 31, 1858.

Fig: 2.

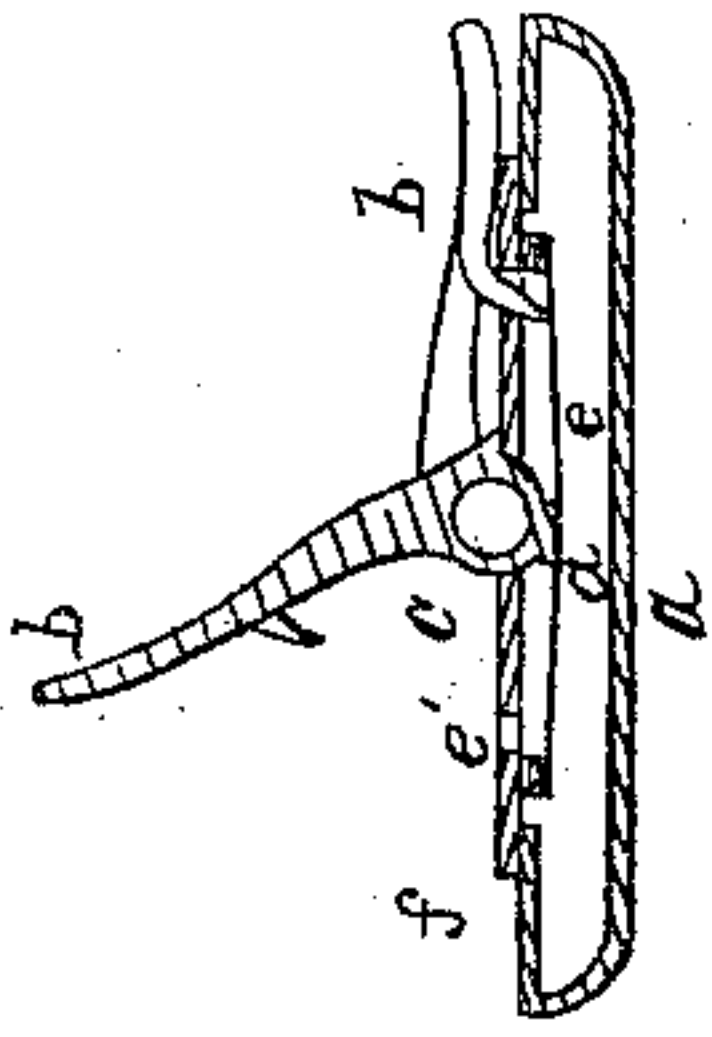


Fig: 6. B, b,

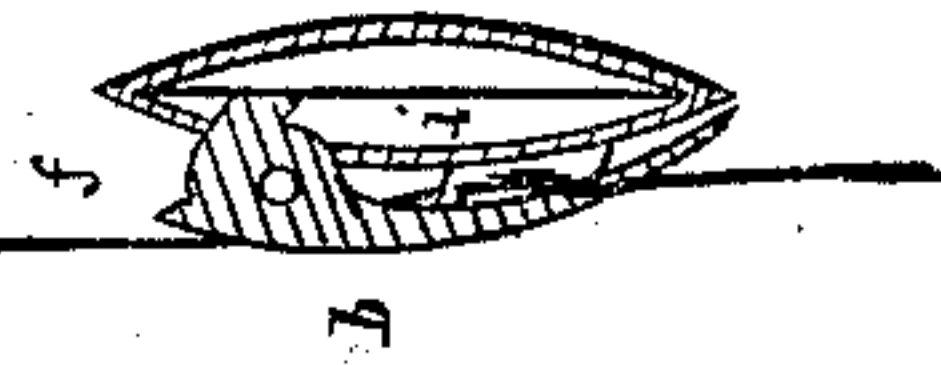


Fig: 3.

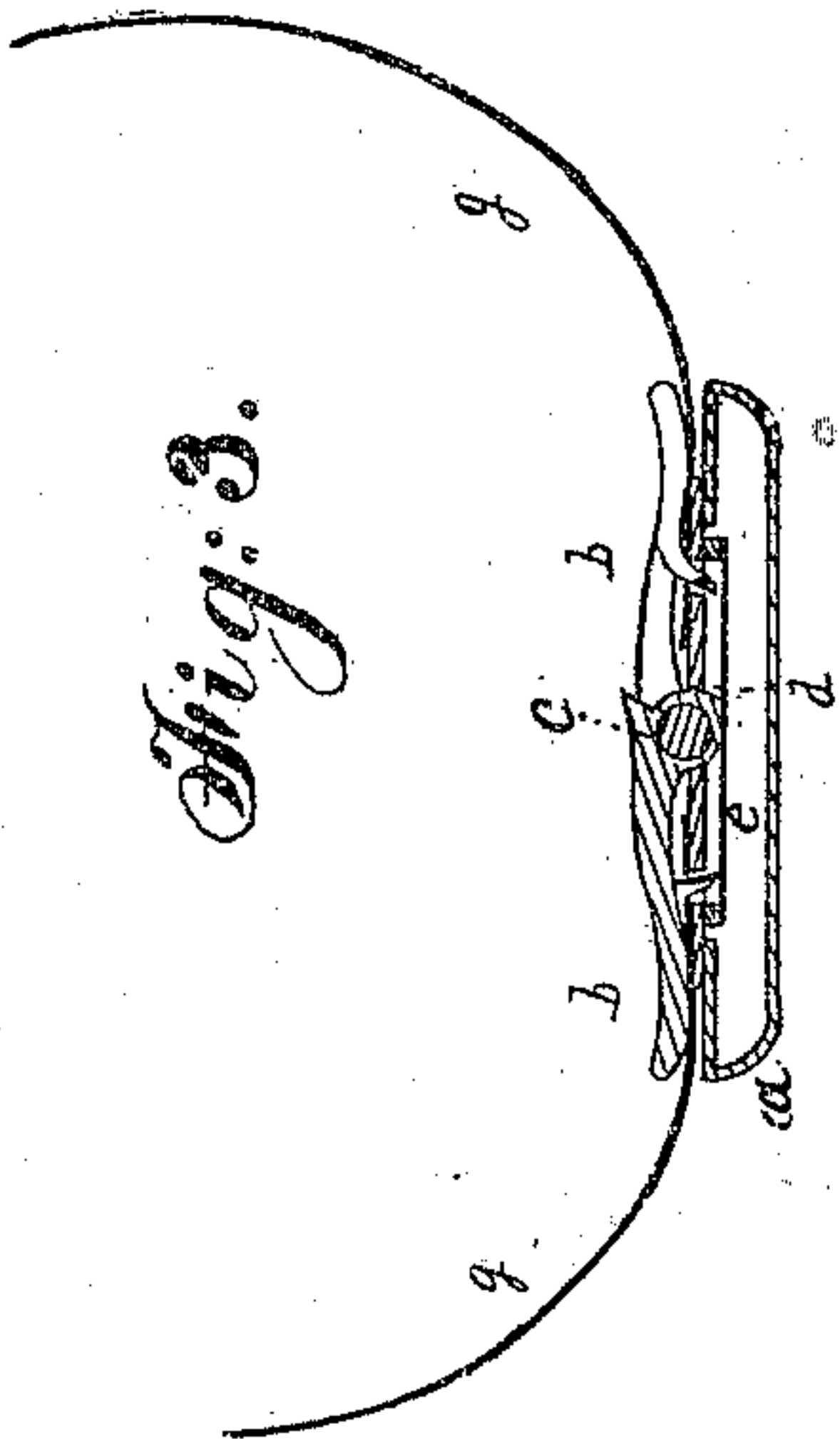


Fig: 4.

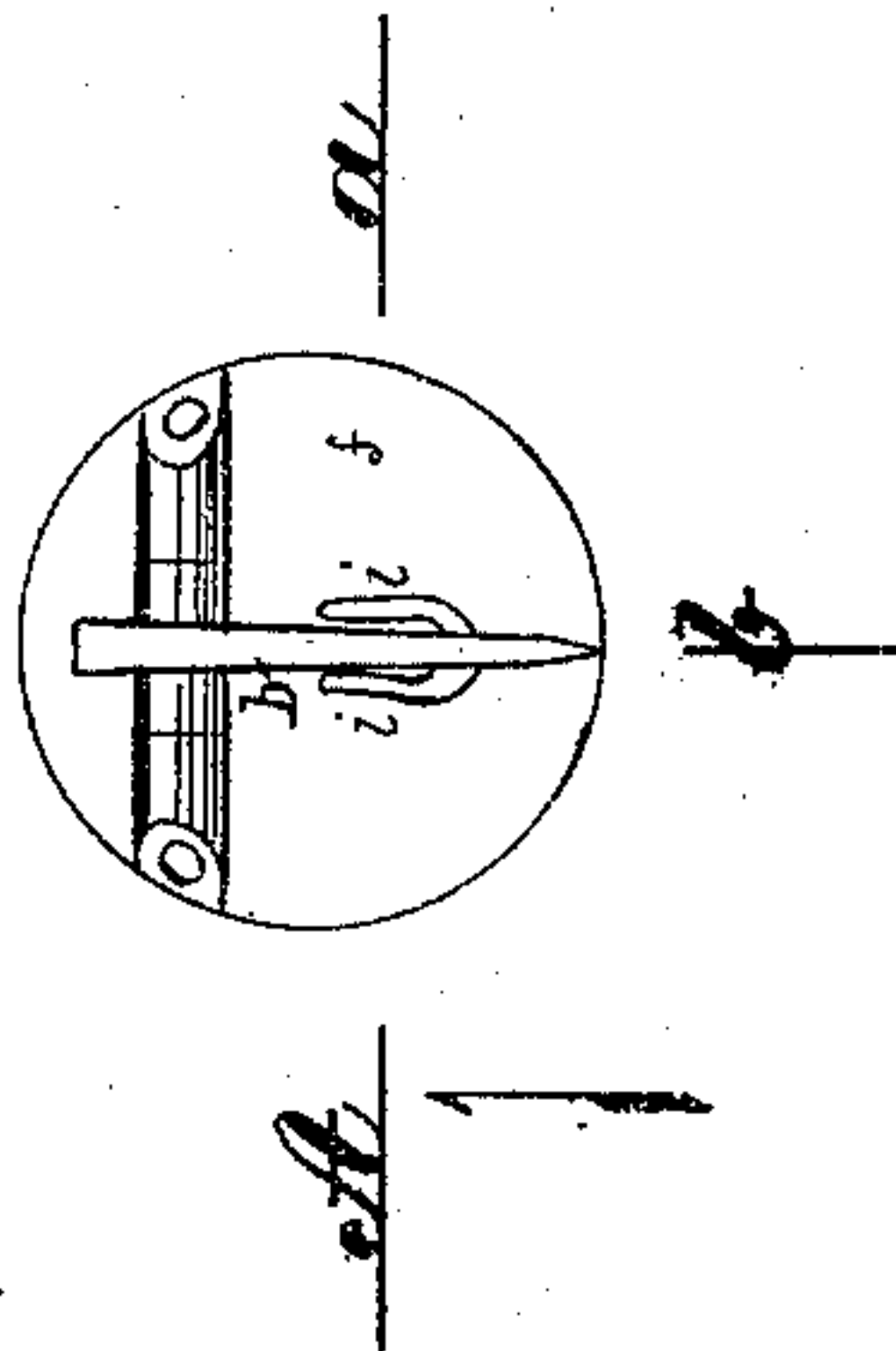


Fig: 1.

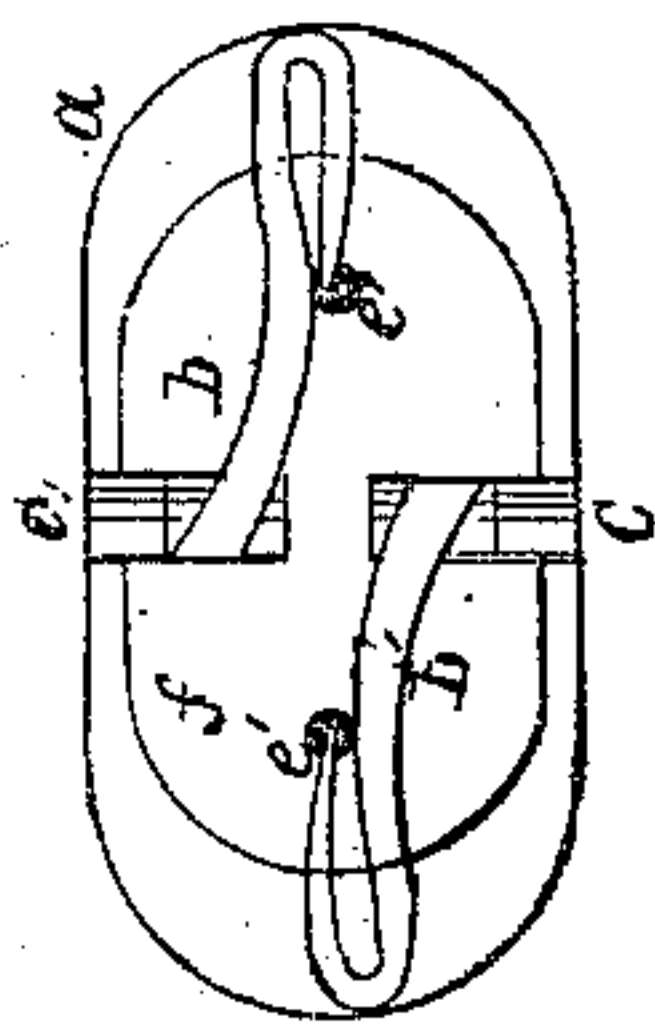


Fig: 5. A, a,



Witnesses
Wm. A. Brown
Wm. A. Brown

Ira A. Ives

UNITED STATES PATENT OFFICE.

IRA A. IVES, OF NEW YORK, N. Y.

LOCK-JOINT FASTENER FOR STUDS, &c.

Specification of Letters Patent No. 21,341, dated August 31, 1858.

To all whom it may concern:

Be it known that I, IRA A. IVES, of the city, county, and State of New York, have invented a new and useful Improvement in
5 Lock-Joint Fasteners for Securing Studs, Shirt-Buttons, Breastpins, and other Like Articles to Clothing; and I do hereby declare that the following is a full, clear and exact description thereof, reference being
10 had to the accompanying drawings, making part of this specification, in which—

Figure 1 represents the under face of a shirt button; Fig. 2 a section thereof; and Fig. 3 a like section representing it applied
15 to a shirt sleeve; Fig. 4 represents the under face of a shirt stud; and Figs. 5 and 6 sections thereof taken at the lines Aa and Bb of Fig. 4, the latter being applied.

The same letters indicate like parts in all the figures, which are on an enlarged scale.

The object of my said invention is so to arrange and connect a pin either with a shirt button, stud, or breast pin, or any like article, that when once secured to the clothes
25 it shall not become unfastened either by pulling or by accident, and my said invention consists in connecting the pin to any article, such as a shirt stud, &c., by means of a spring joint in combination with a recess so arranged and situated that the pin
30 when drawn in by the tension of the spring shall have its point below the projections forming the said recess, and thereby prevent the pin from being drawn out of the clothes.

In Figs. 1 2 and 3 of the accompanying drawings *a* represents a shirt sleeve button with two pins *b*, *b'*, hinged to the under face thereof by a fulcrum pin *c*. The hinge
40 of each pin is formed with a cam like projection *d* which acts against a spring *e* the tension of which holds the pin in the position represented at *b*, and yet admitting of its being turned to the position represented at *b'*, see Fig. 2. Each pin is bent
45 and the point turned back and then down, so that when in the position *b* the points shall enter a recess or hole *e'* in the under plate or face *f* of the button.

The mode of applying such a button to the sleeve of a shirt, or to any other article, which is to be fastened, will be readily understood. The two pins are thrown up in the position *b'*, one side is applied to one side of the sleeve *g* and the pin let down
55 which carries the point of the pin through the sleeve and into the recess of the plate *f* so that it cannot be drawn off; and the other pin is then applied in like manner to the other side of the sleeve, by which means
60 the two selvages of the sleeve become completely connected so that they cannot be separated by mere pulling or by accident, although they can be readily separated by lifting and turning the pin on its hinge. 65

In Figs. 4, 5, and 6, the pin *b* is secured to the under plate *f* of a stud in the same manner as in Figs. 1, 2, and 3, but the pin is of a different form, and like the pin of a breast pin, and adapted to being inserted
70 into clothes, and then instead of being secured by a loop or catch, it is shut down and in shutting down its body enters between two projections *i i* which I prefer to make pointed, thereby locking the stud onto
75 the clothes, because the point of the pin which has been passed through the clothes is carried below the surface of the projections. In this way articles of jewelry can be safely secured to clothes, or the clothes
80 fastened more conveniently and securely than by any other means with which I am acquainted.

I do not wish to be understood as limiting my claim of invention to the two special modes of application described as no doubt other modes of applying the principle of my invention may be devised. 85

What I claim as my invention and desire to secure by Letters Patent is— 90

The spring hinged pin in combination with the recess, substantially as described, and for the purpose specified.

IRA A. IVES.

Witnesses:

WM. H. BISHOP,
WM. C. BROWN.