

(Model.)

C. M. UNDERWOOD.
SLEEVE BUTTON.

No. 249,559.

Patented Nov. 15, 1881.

Fig. 1.

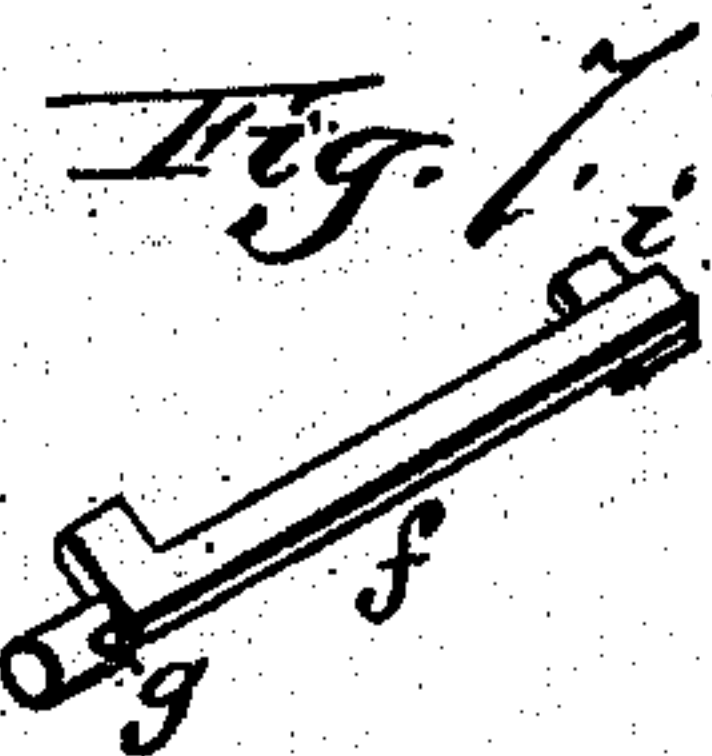
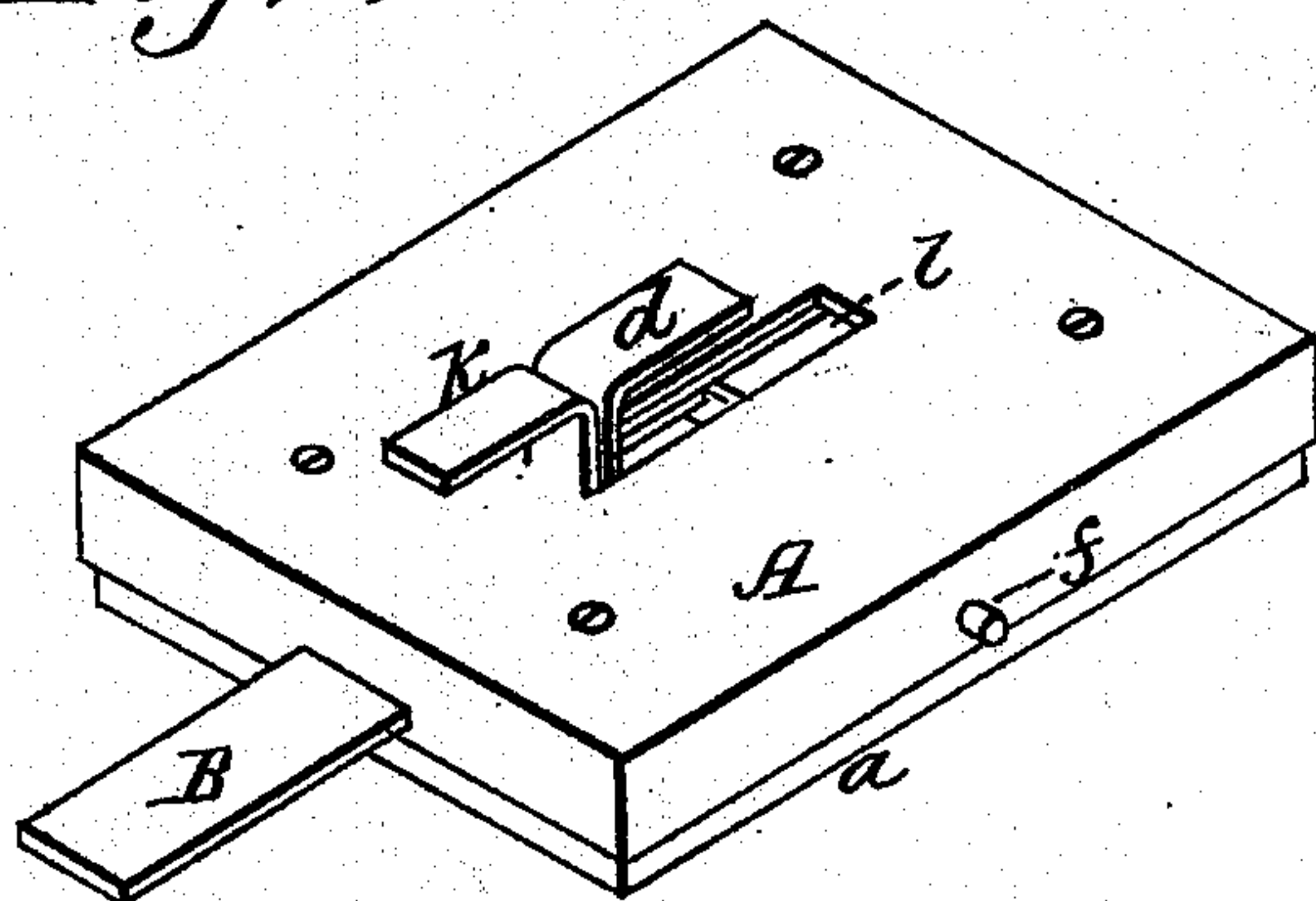


Fig. 2.

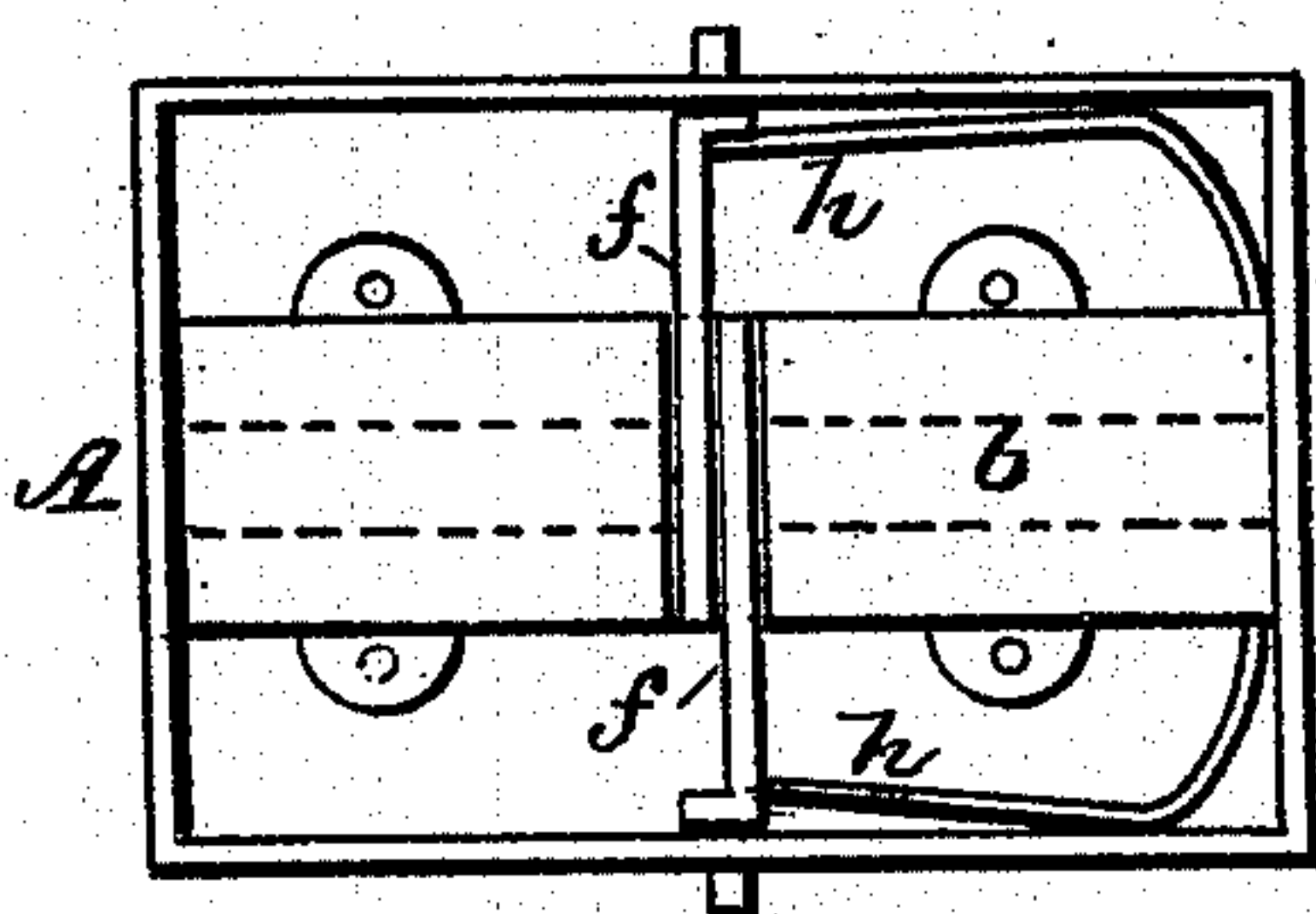


Fig. 3.

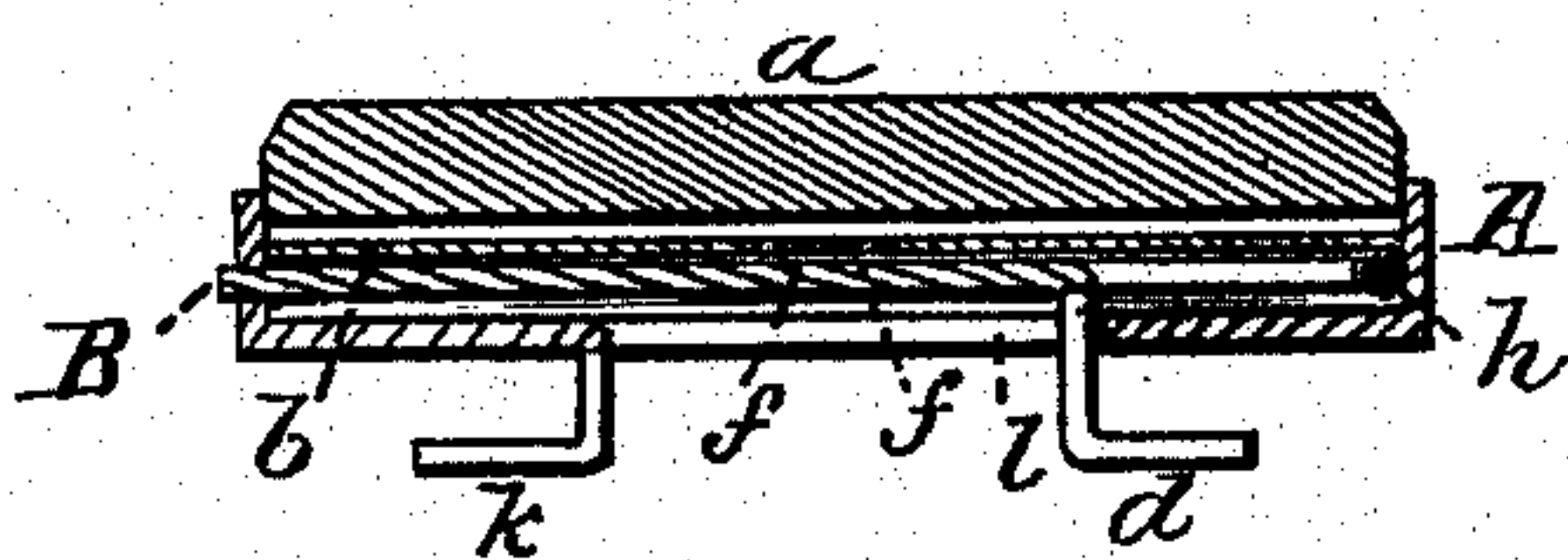


Fig. 4.

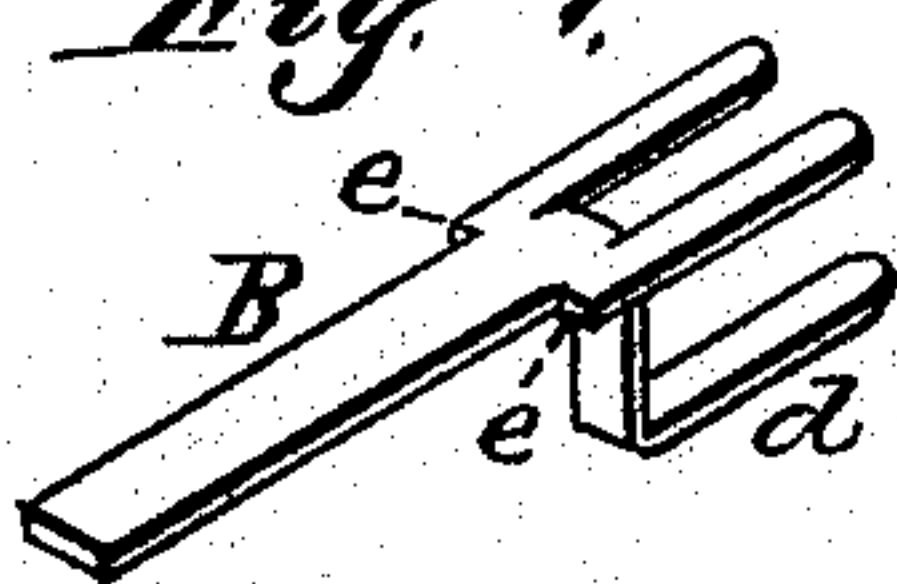
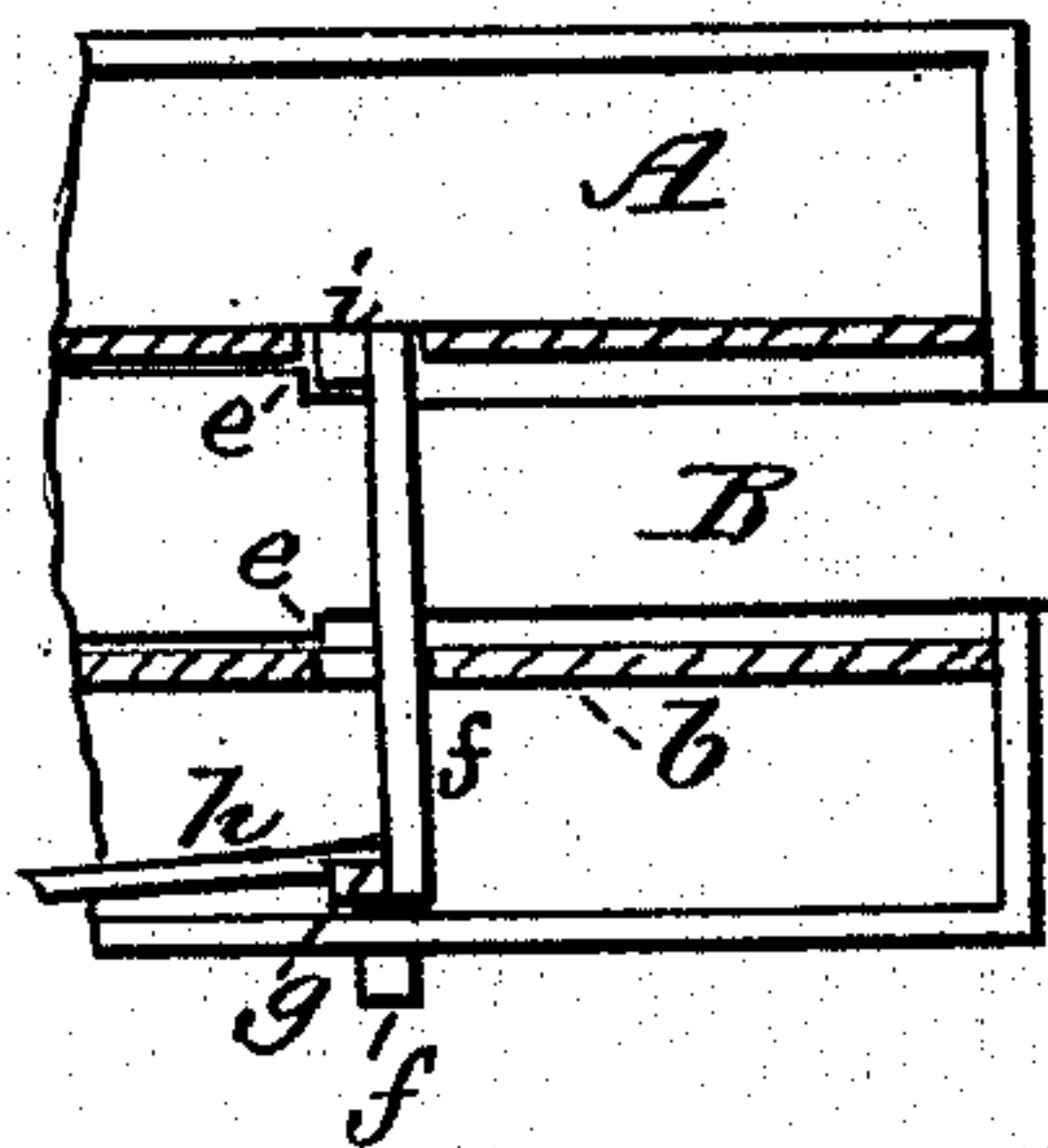


Fig. 5.



Fig. 6.



Witnesses:
H. C. McArthur.
E. L. Miller

Inventor,
Charles M. Underwood.
per Cha. H. Fowler
Attorney.

UNITED STATES PATENT OFFICE.

CHARLES M. UNDERWOOD, OF CHICOPEE, MASSACHUSETTS.

SLEEVE-BUTTON.

SPECIFICATION forming part of Letters Patent No. 249,559, dated November 15, 1881.

Application filed September 19, 1881. (Model.)

To all whom it may concern:

Be it known that I, CHARLES M. UNDERWOOD, a citizen of the United States, residing at Chicopee, in the county of Hampden and State of Massachusetts, have invented certain new and useful Improvements in Sleeve-Buttons; 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 and figures of reference marked thereon.

Figure 1 of the drawings is an under-side perspective view of a sleeve-button constructed in accordance with my invention. Fig. 2 is a top-plan view of the same with the stone or setting removed. Fig. 3 is a longitudinal vertical section. Fig. 4 is a detail view, in perspective, of the sliding push-bar with bent arm detached from the button; Fig. 5, an under-side plan view of the guide-plate. Fig. 6 is a similar view to Fig. 2, with the guide-plate in section and one of the arms for releasing the push-bar removed, and Fig. 7 is a perspective view in detail of one of said arms.

The present invention has relation to that class of sleeve-buttons or studs having one stationary bent arm and a fellow arm connected to the under side of the button or stud, so that it may be brought nearer to the stationary arm for conveniently applying the button or stud to the garment and locking the bent arms in the button-holes by returning the movable or sliding arm to place.

The object of my invention is to improve the construction of this class of sleeve-buttons or studs, whereby the more perfect locking of the same to the garment is obtained, and also great durability, as well as neatness in appearance. These objects I attain by the construction substantially as shown in the drawings and hereinafter described.

In the accompanying drawings, A represents the button, which may be a plain or ornamental surface, or, if desired, have a suitable setting or stone, *a*.

I do not desire to be understood as confining my invention to any particular form or design of sleeve-button, and in describing my invention, although I shall confine the description

to sleeve-buttons, I do not desire to be understood as limiting myself thereto, as the invention may be also applied to studs.

Within the interior of the button and upon the back of the same is secured, by any suitable means, a guide-plate, *b*, which extends the entire length of the button. This plate *b* serves to retain in position a sliding bar, B, held between it and flanges *c* on the plate. This sliding bar B is formed with a bent arm, *d*, the vertical portion of said arm serving as the "post" of the button, said bar B also being formed with shoulders or stops *e*. The sliding bar B can either be stamped out of suitable metal or otherwise constructed with the bent arm and shoulders or stops, as found desirable. The flanged guide-plate *b* is cut away across its center midway of its ends for the reception of arms *f*. The outer end of each arm is formed with a shoulder, *g*, against which bear the ends of a spring, *h*, said arms also having lugs *i*, which are brought in contact with the shoulders or stops *e* of the sliding bar B by the outward pressure of the ends of the spring *h*.

The button A upon its under side has a stationary or fixed bent arm, *k*, which is a counterpart to the arm *d*, the only difference being that it is stationary, while the arm *d* is capable of sliding horizontally, as hereinbefore described.

The lugs *i* upon the ends of the arms *f* are in the form of flat plates, so that when the arms are in position, as shown in Fig. 1, the arms will rest upon these lugs or plates, or, in other words, the plate of one arm will form a support for the opposite arm, thereby holding them in position and keeping the end of each arm down in its proper place. The outer end of each arm passes through the sides of the button, so that they may be pressed in by the thumb and finger.

To put the button in the cuff, the projecting ends of the arms *f* are pressed in as far as they will go, which will disconnect the lugs *i* from the shoulders *e*. This will allow the bent arm *d* to slide along the elongated opening *l* until it comes in contact with the bent arm *k*, as shown in Fig. 1, the bar B also being carried with it and passing out through the end of the button. In this position the bent arms *d* *k* are

introduced into the button-holes, and while through the same the bar B is pressed in, and when the shoulders *e* are in the proper position with relation to the lugs on the arms *f*, the spring *h* will force the arms in position to firmly lock the bar B, and when thus locked the bent arm *d* will be in the position as shown in Fig. 3, which firmly and securely fastens the button to the cuff.

10 To take or remove the button from the cuff, it is only necessary to press in the arms *f*, as before, and while doing so move the button back and forward, which will bring the arms *d* *k* in position, as in Fig. 1, thus allowing the ready removal of the button.

15 It may be necessary in some styles of buttons to modify or change the position of some of the operating parts, and I desire it to be understood that I reserve the right to make such changes without departing from the spirit of my invention.

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

1. The button A, having elongated guide slot *l* and stationary bent arm *k*, in combination with the sliding bar B and bent arm *d*, affixed to said bar, substantially as and for the purpose set forth. 25

2. In a sleeve-button, the combination, with the sliding bar B, having bent arm *d* and shoulders *e*, of a suitable device for locking the bar when the arm *d* is in an extended position or releasing it, substantially as and for the purpose set forth. 30

3. In a sleeve-button, the spring *h* and arms *f*, constructed substantially as described, in combination with the sliding bar B, shoulders *e*, and bent arm *d*, substantially as and for the purpose set forth. 35

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

CHARLES MARCUS UNDERWOOD.

Witnesses:

CORNELIUS J. DRISCOLL,
GEO. E. FRENCH.