

J. W. SMITH.
Suspender Clasp.

No. 201,458.

Patented March 19, 1878.

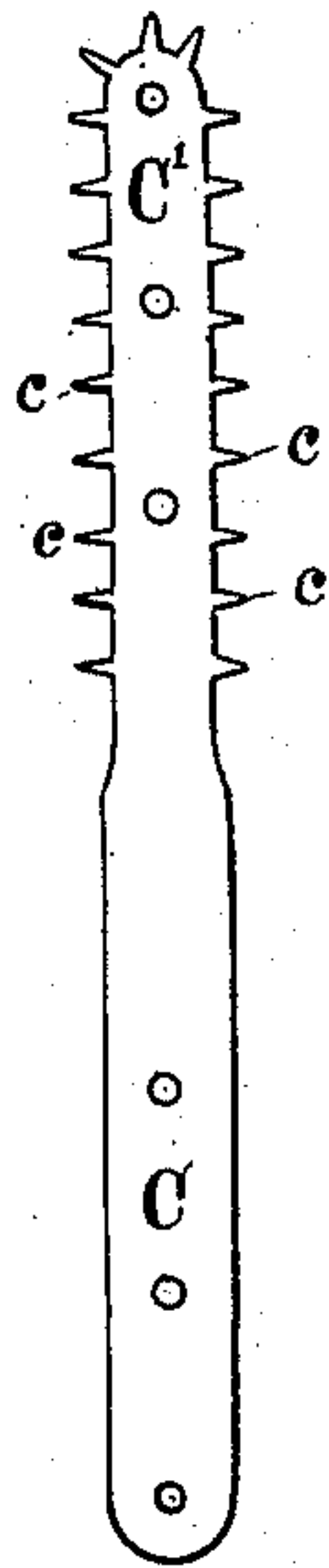


Fig. 5.

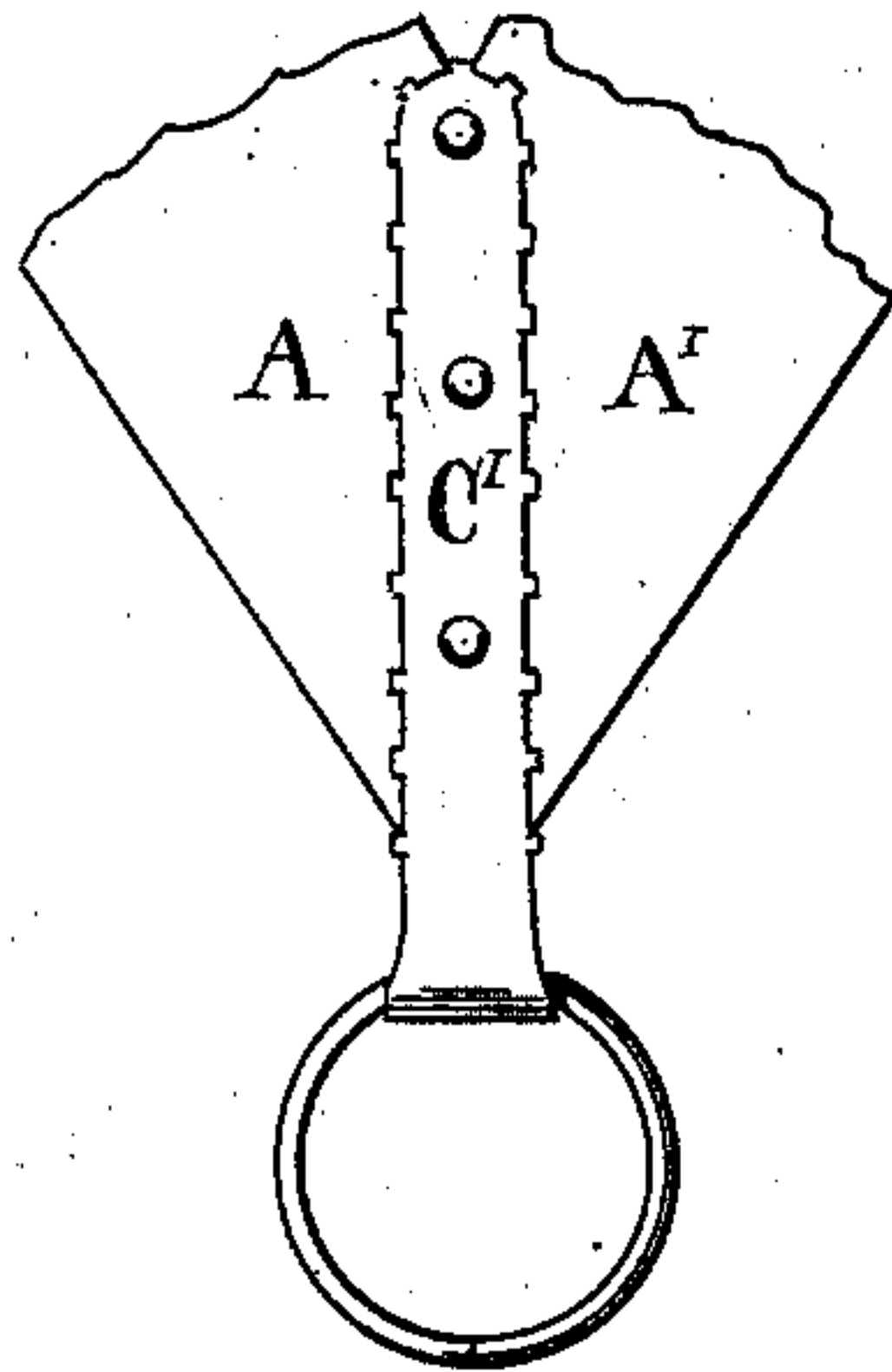


Fig. 6.

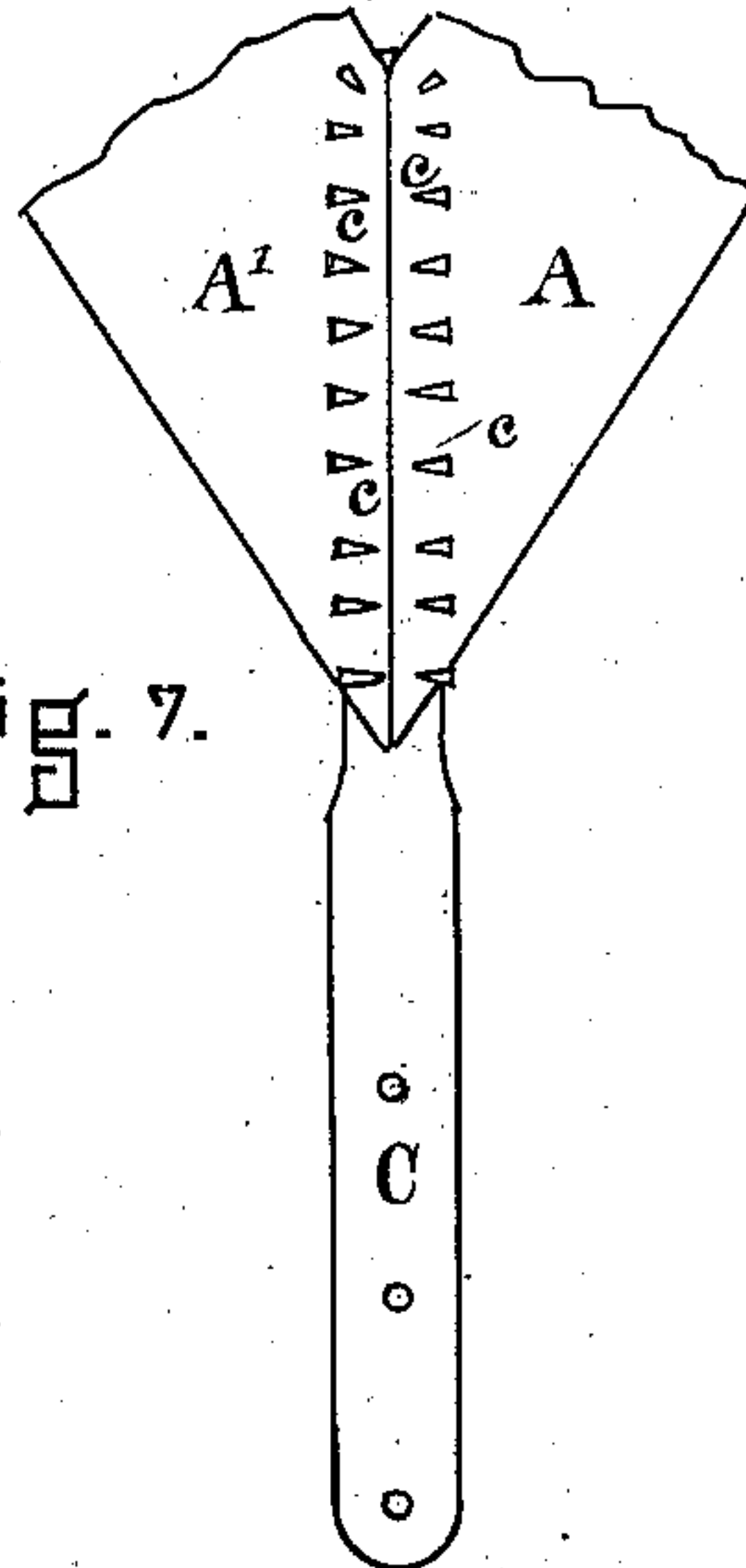


Fig. 7.

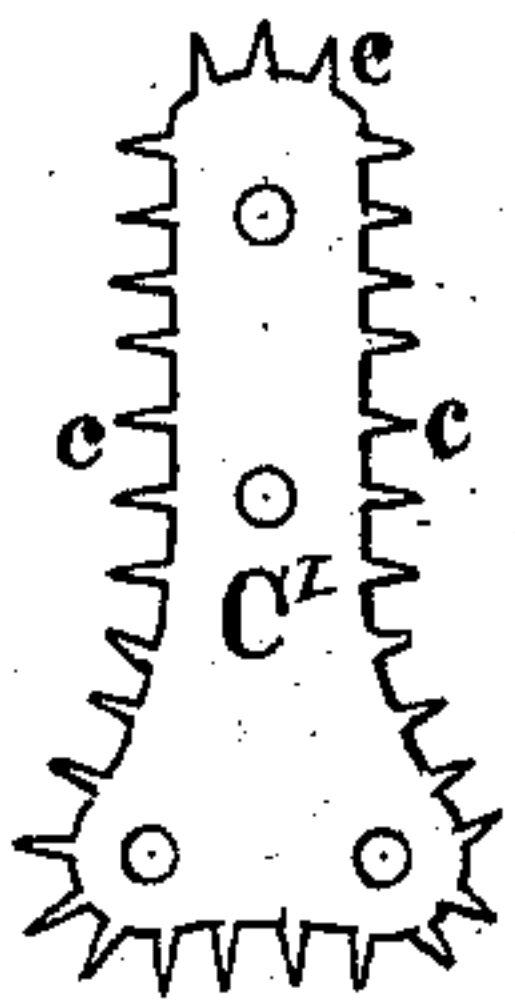


Fig. 1.

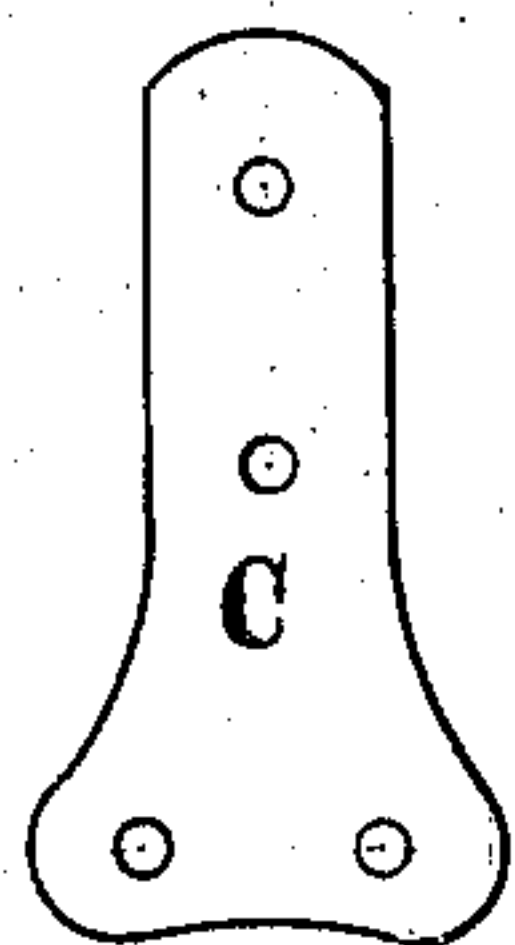


Fig. 2.

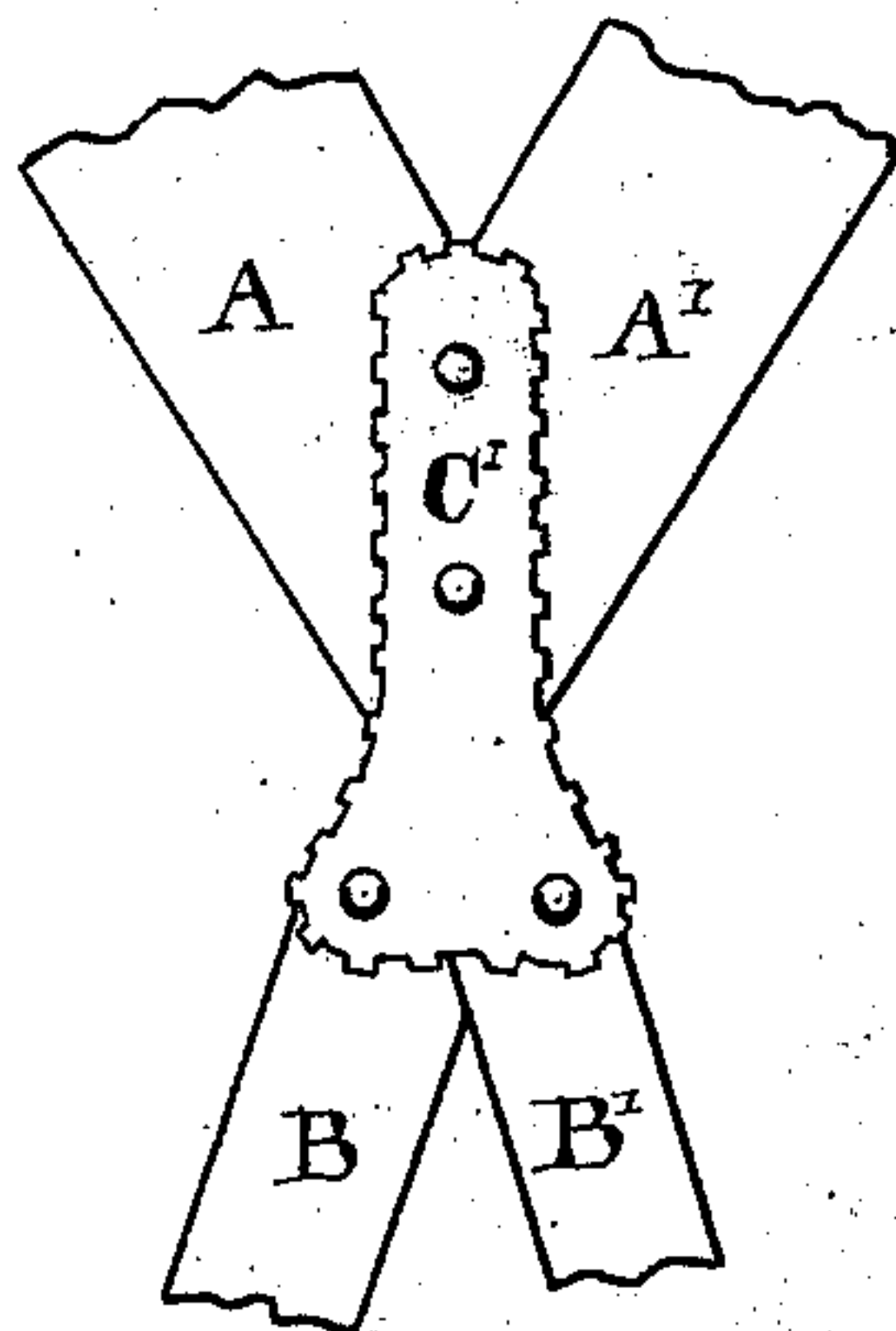


Fig. 3.

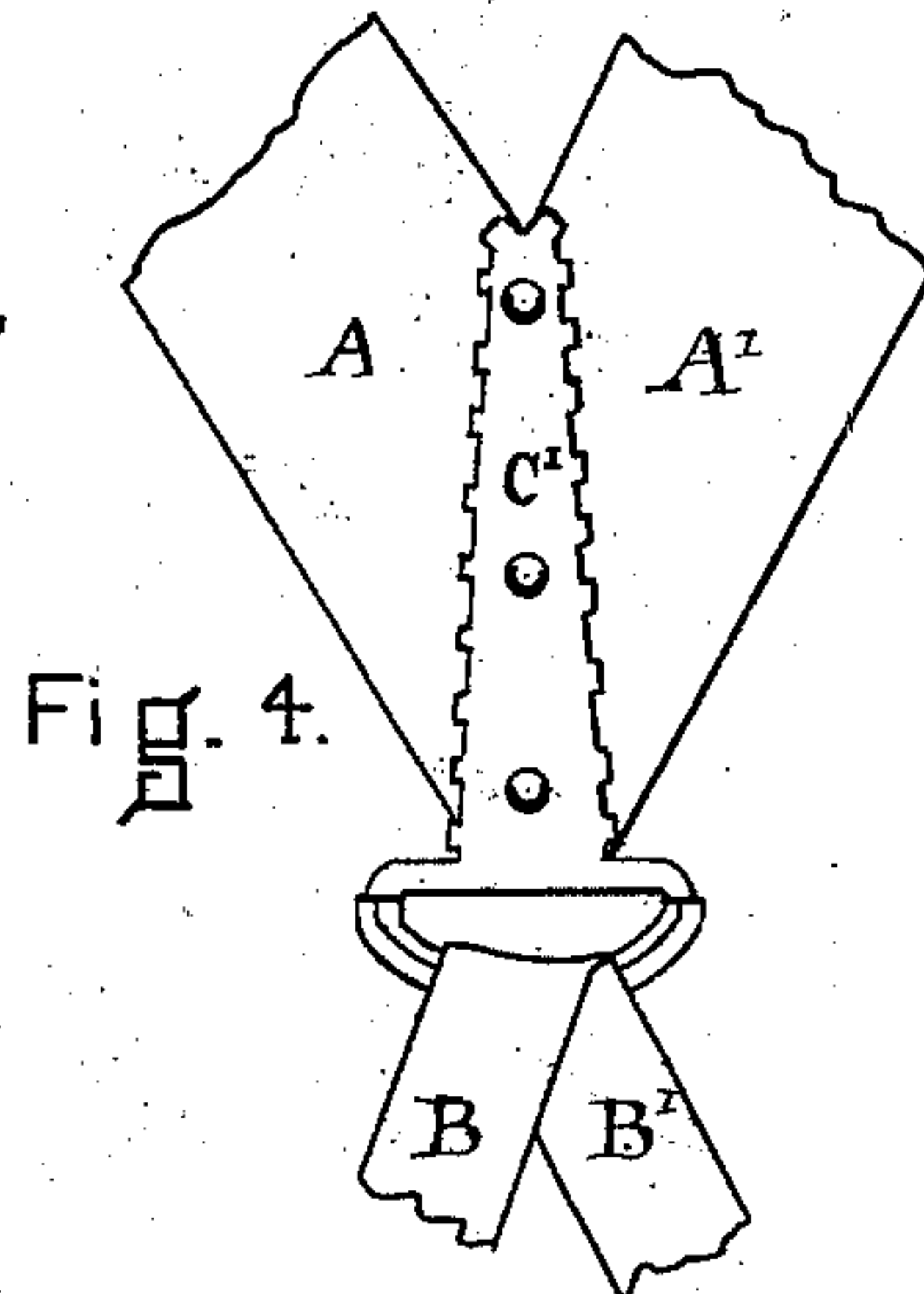


Fig. 4.

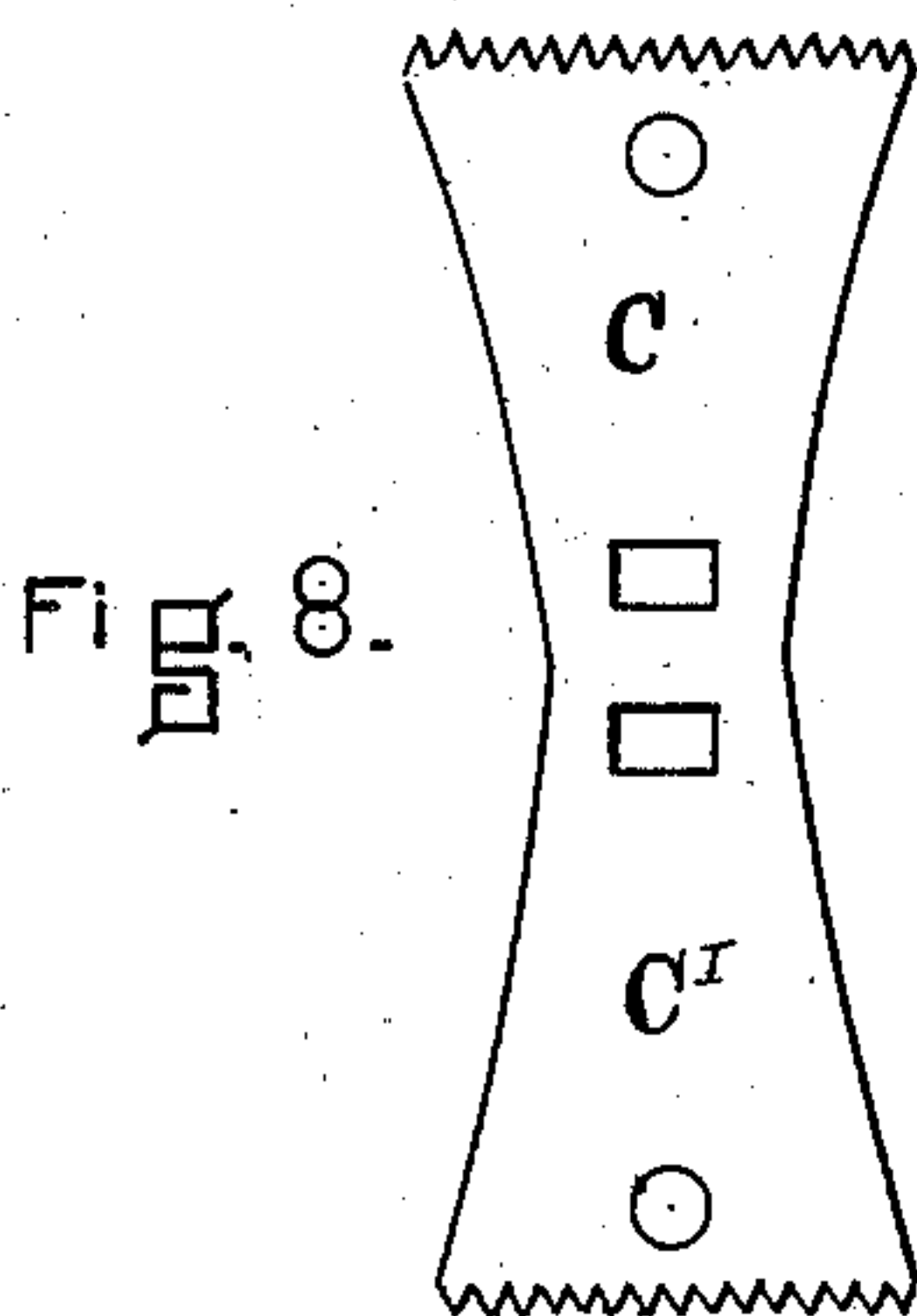


Fig. 8.

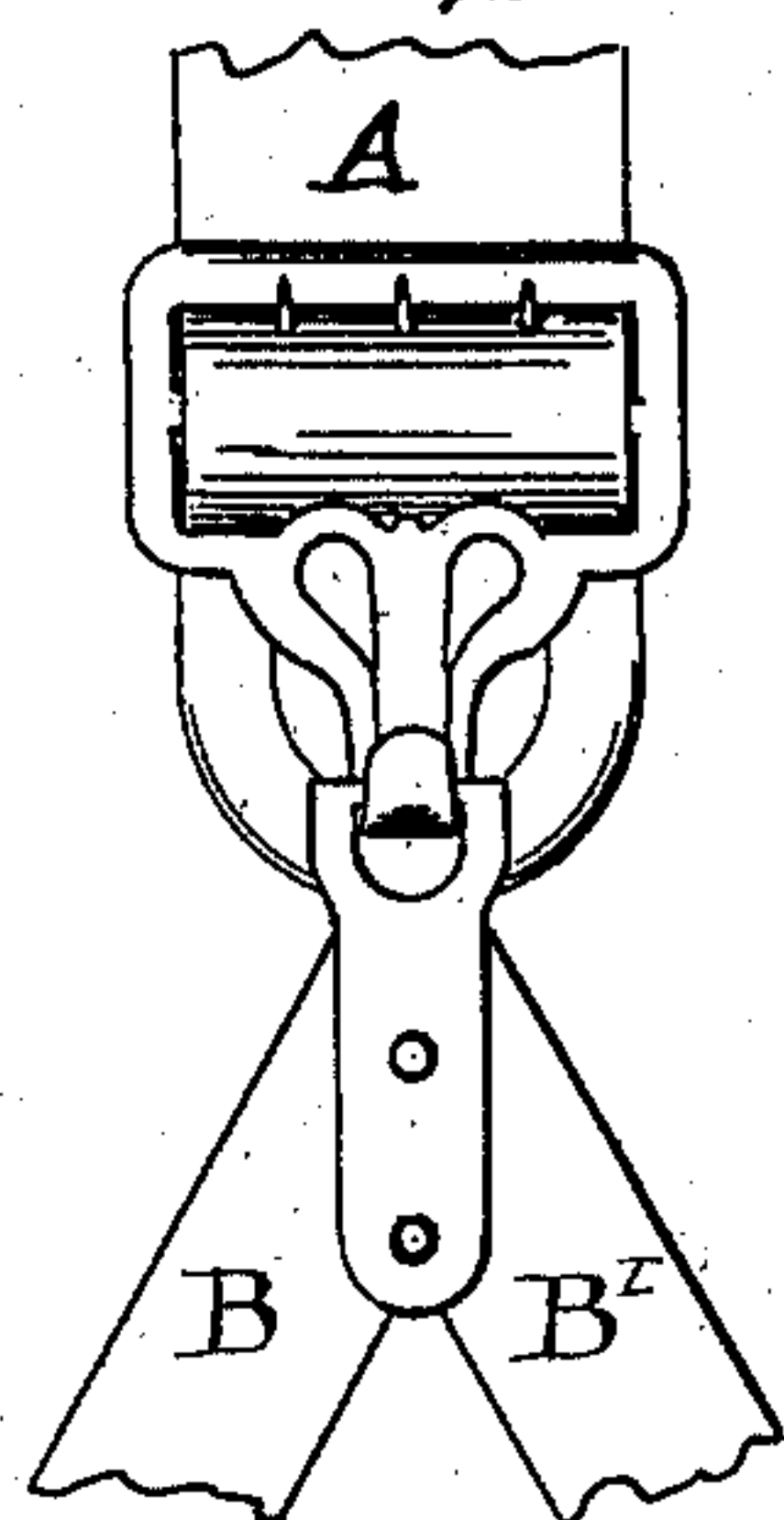


Fig. 10.

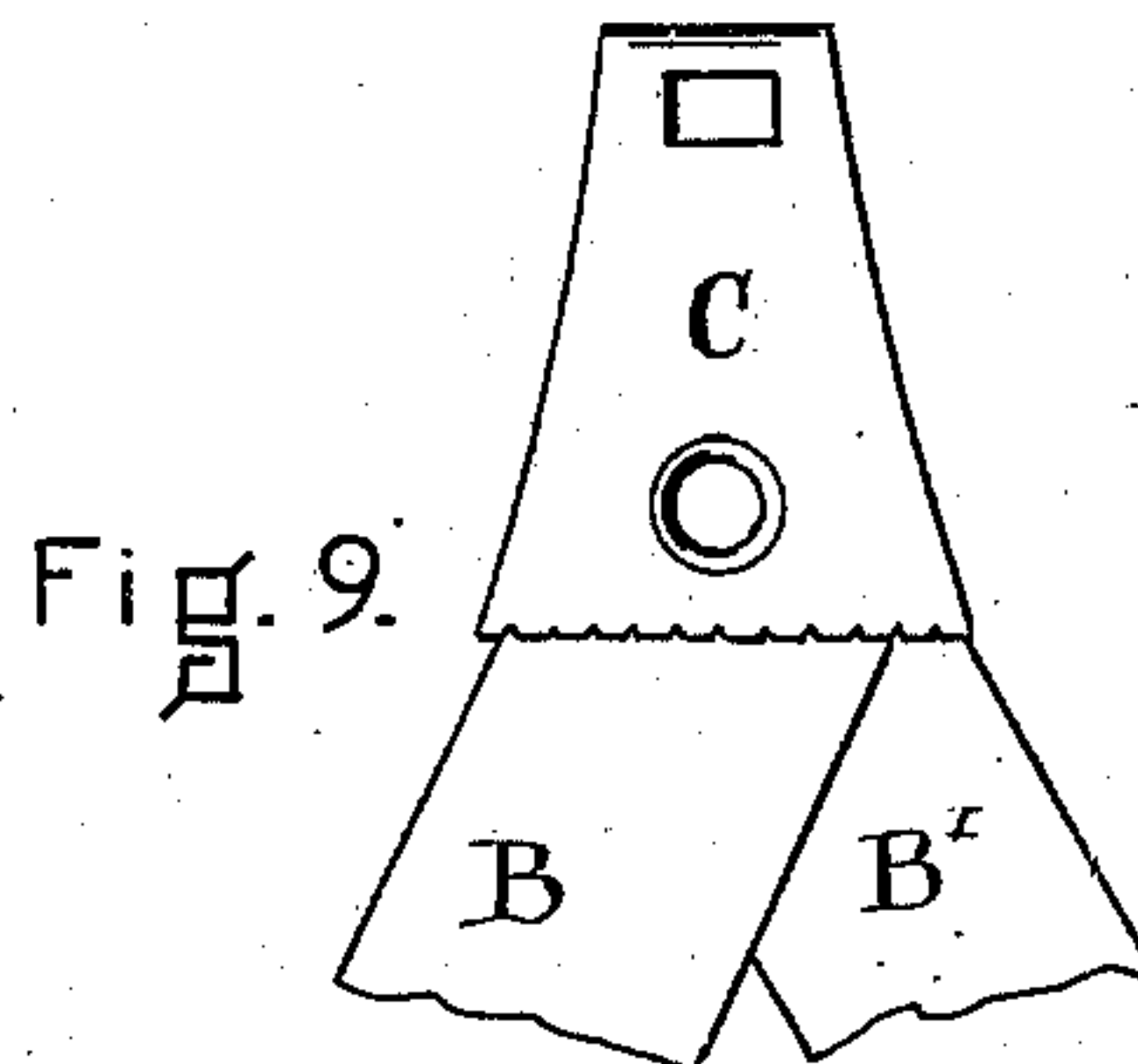


Fig. 9.

Witnesses
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UNITED STATES PATENT OFFICE.

JOSEPH W. SMITH, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN SUSPENDER-CLASPS.

Specification forming part of Letters Patent No. 201,458, dated March 19, 1878; application filed October 27, 1877.

To all whom it may concern:

Be it known that I, JOSEPH WILLIAM SMITH, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain Improvements in the Manufacture of Suspenders, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawings, making a part hereof.

In the drawings, A A' represent the main straps; B B', the button-straps or suspender-ends, and C C' the device for uniting them. This device is made in two parts. One part, C, is a sheet of metal, either plain or ornamented, and the other part, C', is a sheet of metal provided with the teeth *c*. The ends of the strap, after being arranged in the proper relation to each other, are applied to the part C'. The teeth *c*, which have been bent at right angles with C', pass through the web, are bent down or clinched, and the part C applied and secured by rivets, as shown in the drawings, the rivets serving to hold the parts C and C' close together.

When teeth *c* are used upon the ends of both the parts C and C', as in Figures 8 and 9, they should be made shorter, and applied by clamping the straps between them, and then secured firmly together by an eyelet or rivets, as shown.

Figs. 1, 2, and 3 show the form of this device best adapted for connecting the parts A A' B B' by means of the teeth *c*. Figs. 4, 5, 6, and 7 show two forms of the device, for use when the parts A A' are to be connected by the teeth *c*, and a ring of some kind is needed to fasten the button-straps; while Figs. 8, 9, and 10 show two forms of this device used for con-

necting the pieces B B' together, and attaching them to the buckle, by which they are attached to the straps A A', the device shown in Fig. 10 being attached to the button-straps B B' precisely as the device shown in Fig. 4 is to the shoulder-straps A A'.

Suspenders thus formed are extremely durable, and the device can be applied with great neatness, and be highly finished. It is easily and inexpensively applied.

It is better to subject the parts to a heavy pressure between two flat surfaces after the teeth are bent down, and before riveting or eyeleting on the part C. In this way the rivets or eyelets, when applied, bring the part C closely into place, and hold it there very securely.

The parts C and C' may be made in one piece, or be separate pieces.

The loop shown in all the figures (except 1, 2, and 3) is for attaching the device to the straps B B', or to a hook on the buckle of the main strap.

I am aware of the Patents No. 182,526, of 1876, and No. 136,549, of 1873, and disclaim the devices there shown.

What I claim as my invention is—

1. The combination of the suspender-straps A A' (or B B') with the toothed plate C' and shield-plate C, united and held together by the rivets, as shown.

2. The device composed of the plates C C', provided with holes for the eyelet or rivet and a loop at or near one end, as shown.

JOSEPH WM. SMITH.

Witnesses:

GEORGE S. LITTLEFIELD,
GEORGE O. G. COALE.