

(No Model.)

J. F. ATWOOD.  
GARMENT SUPPORTING CLASP.

No. 333,495.

Patented Jan. 5, 1886.

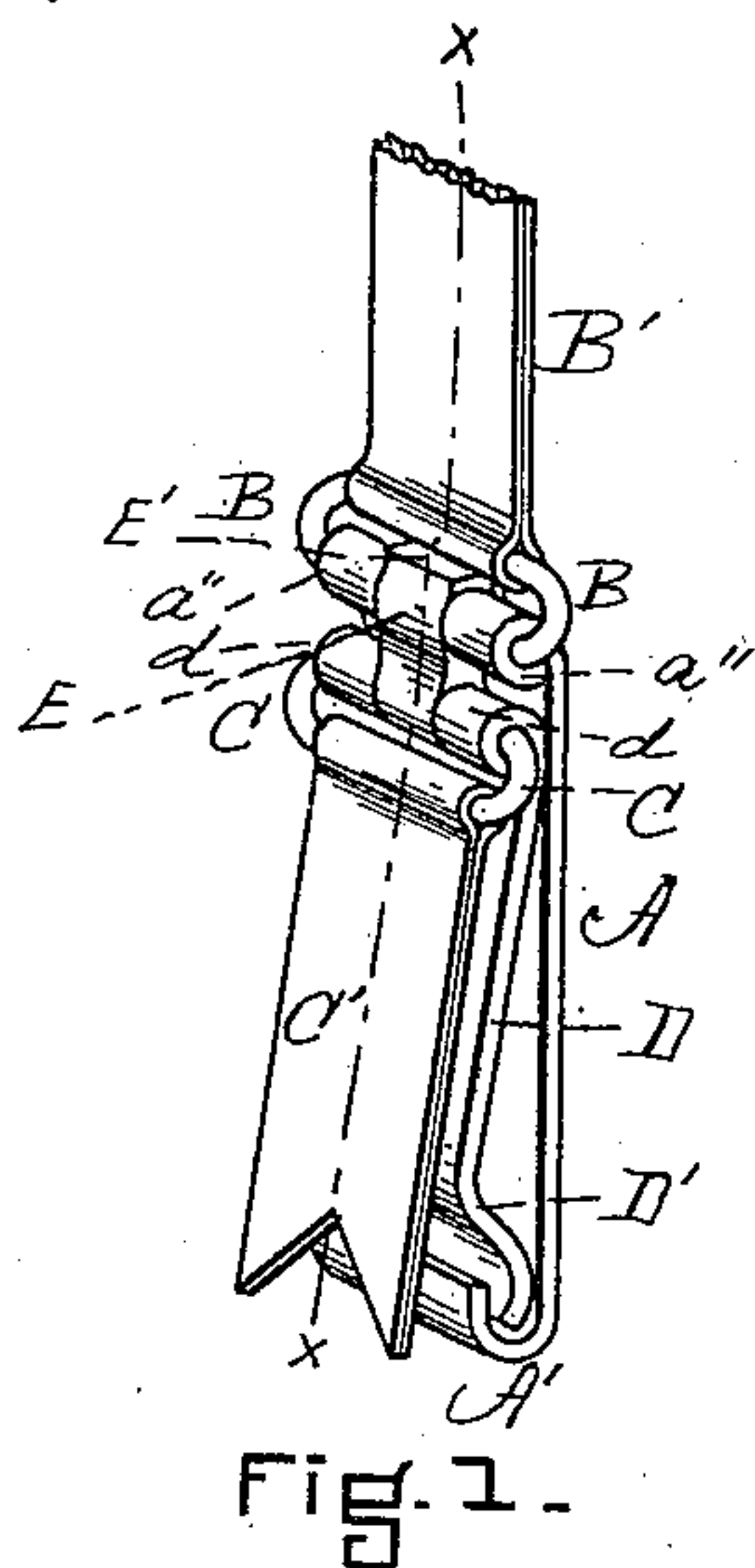


Fig. 1.

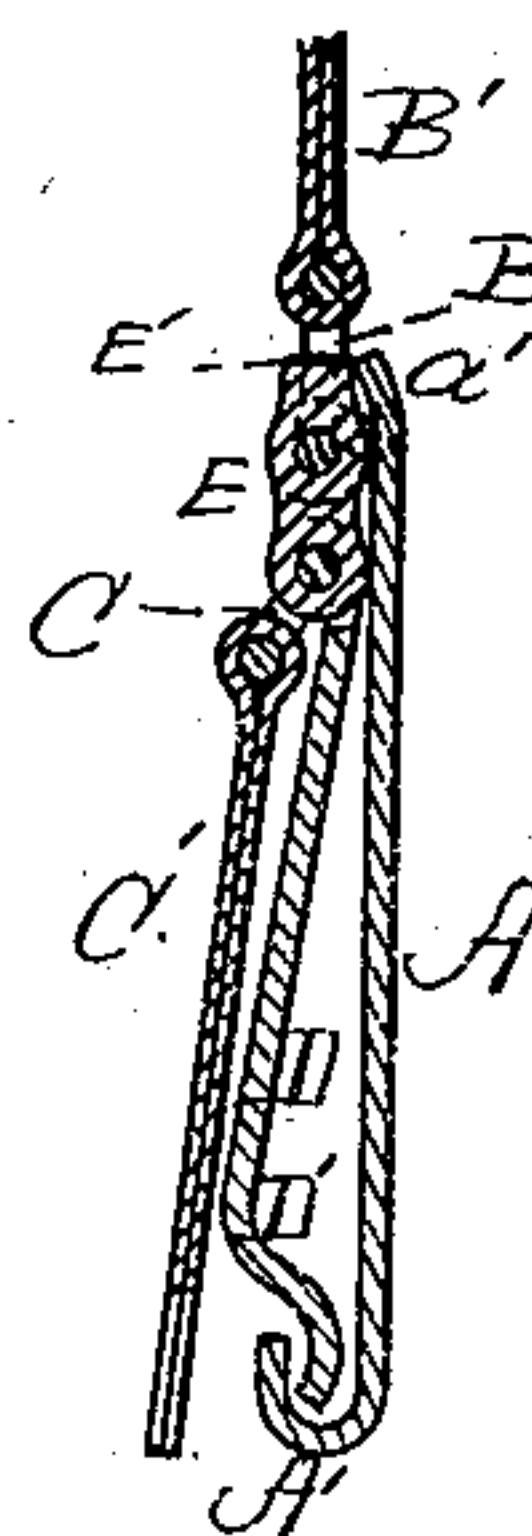


Fig. 2.

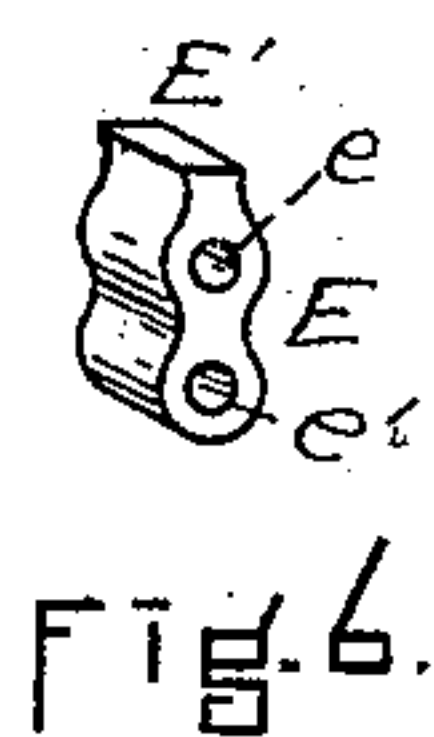


Fig. 6.

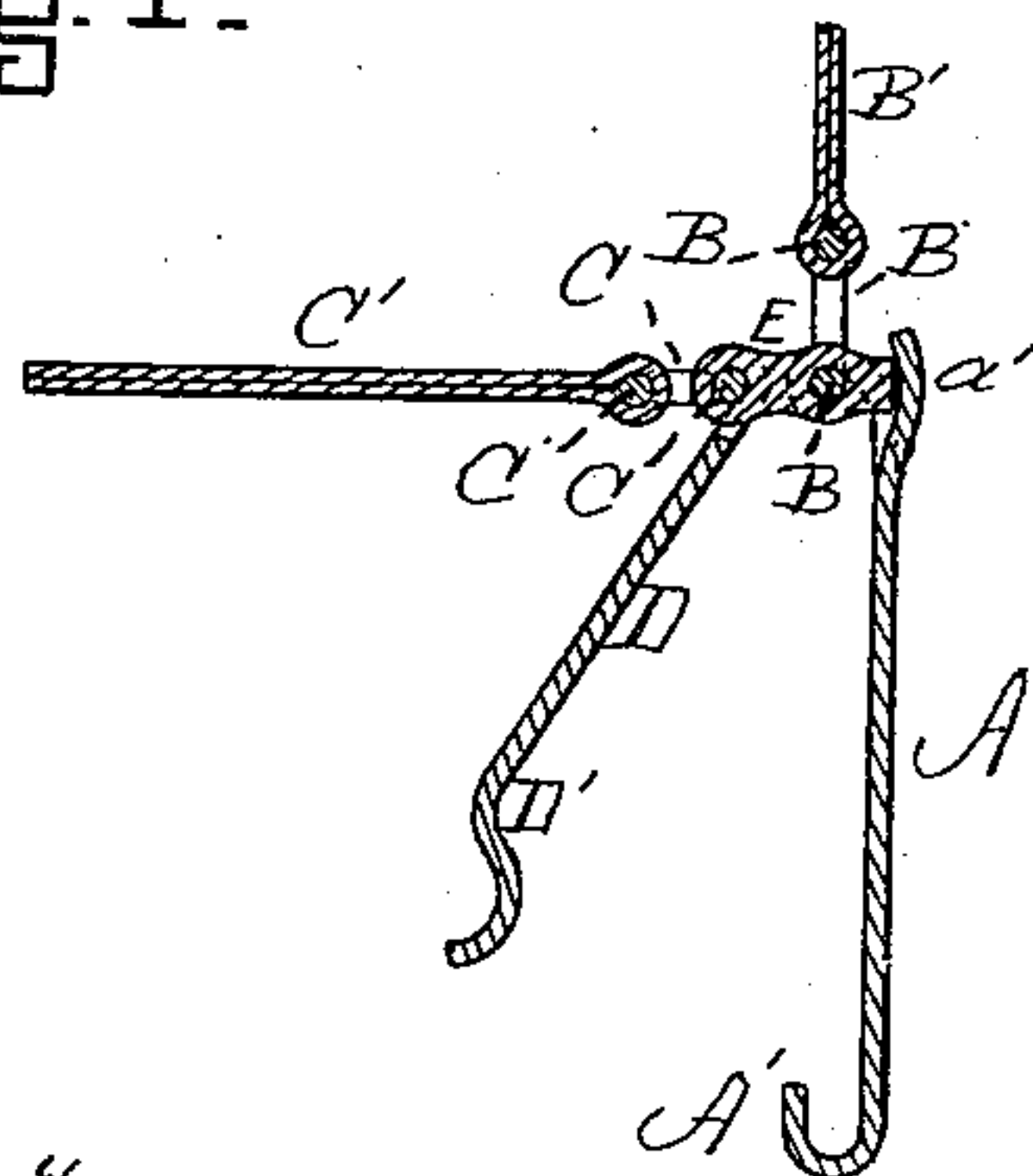


Fig. 3.

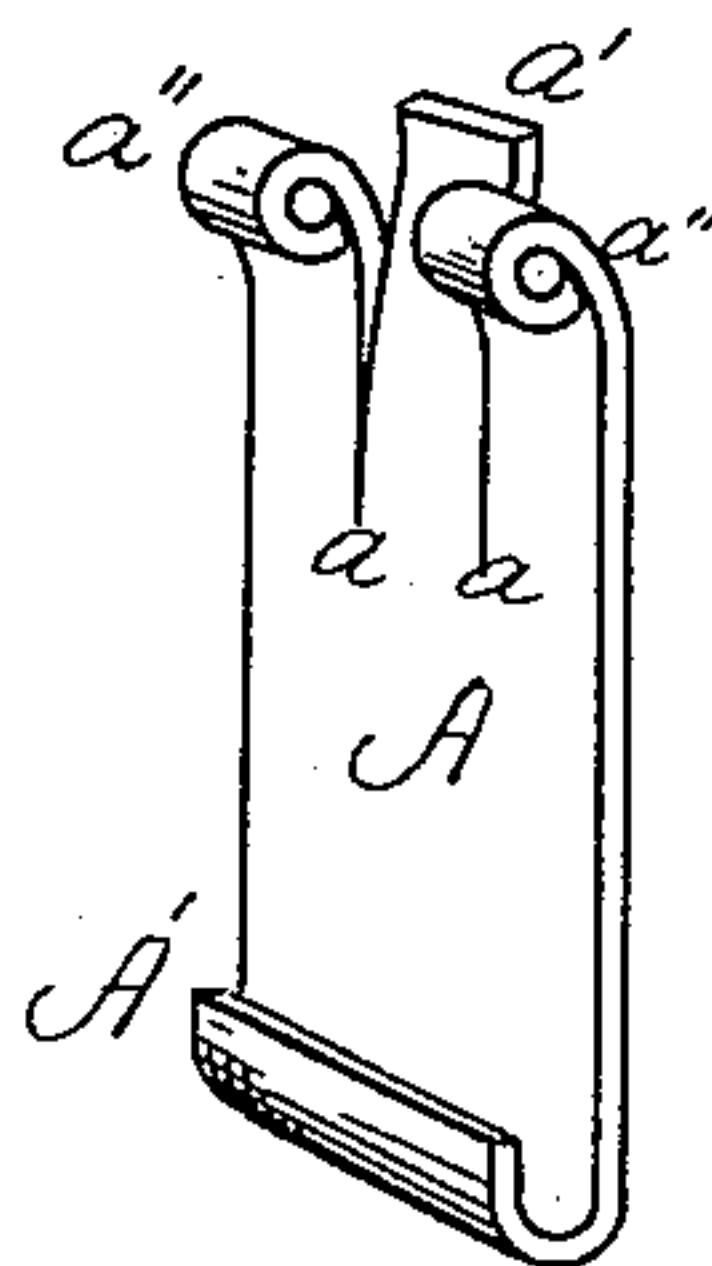


Fig. 7.

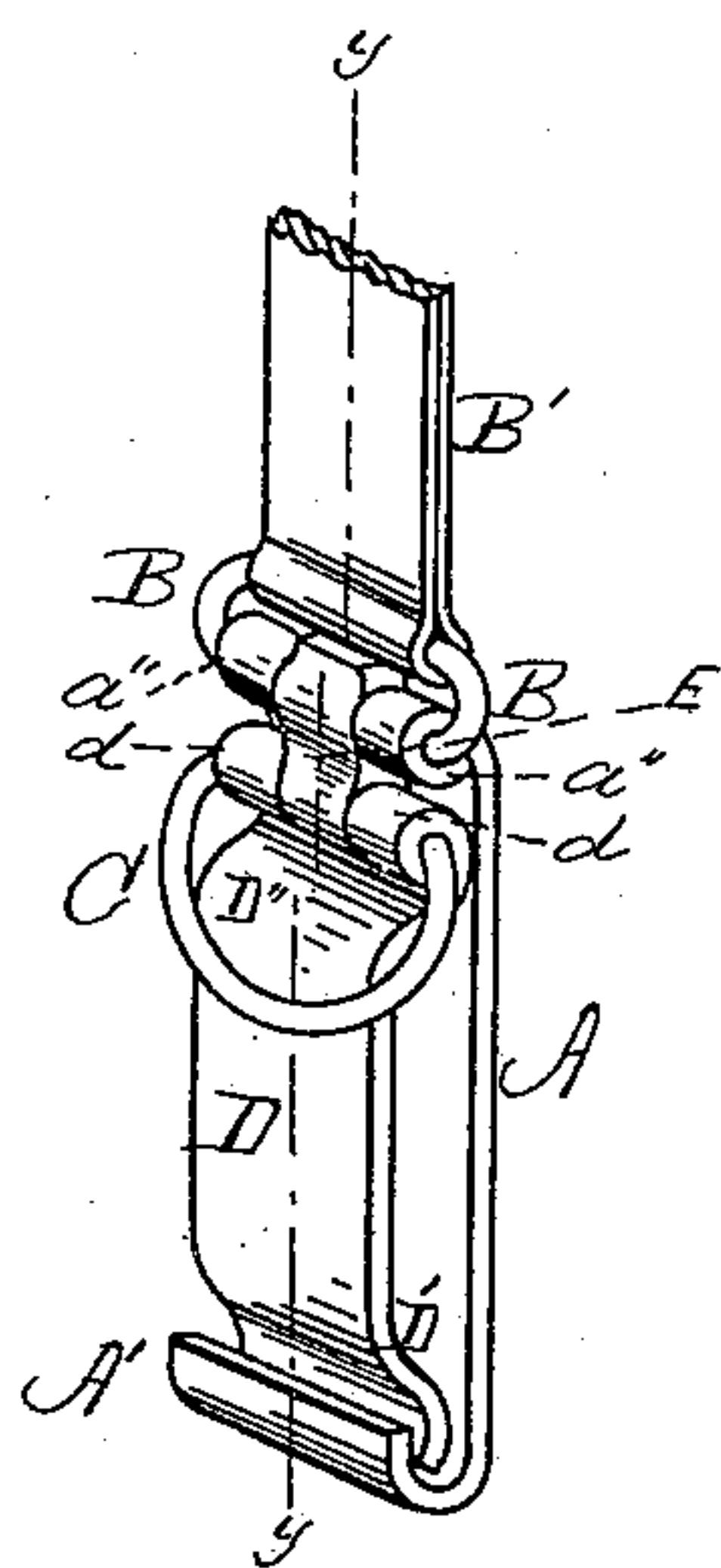


Fig. 4.

WITNESSES  
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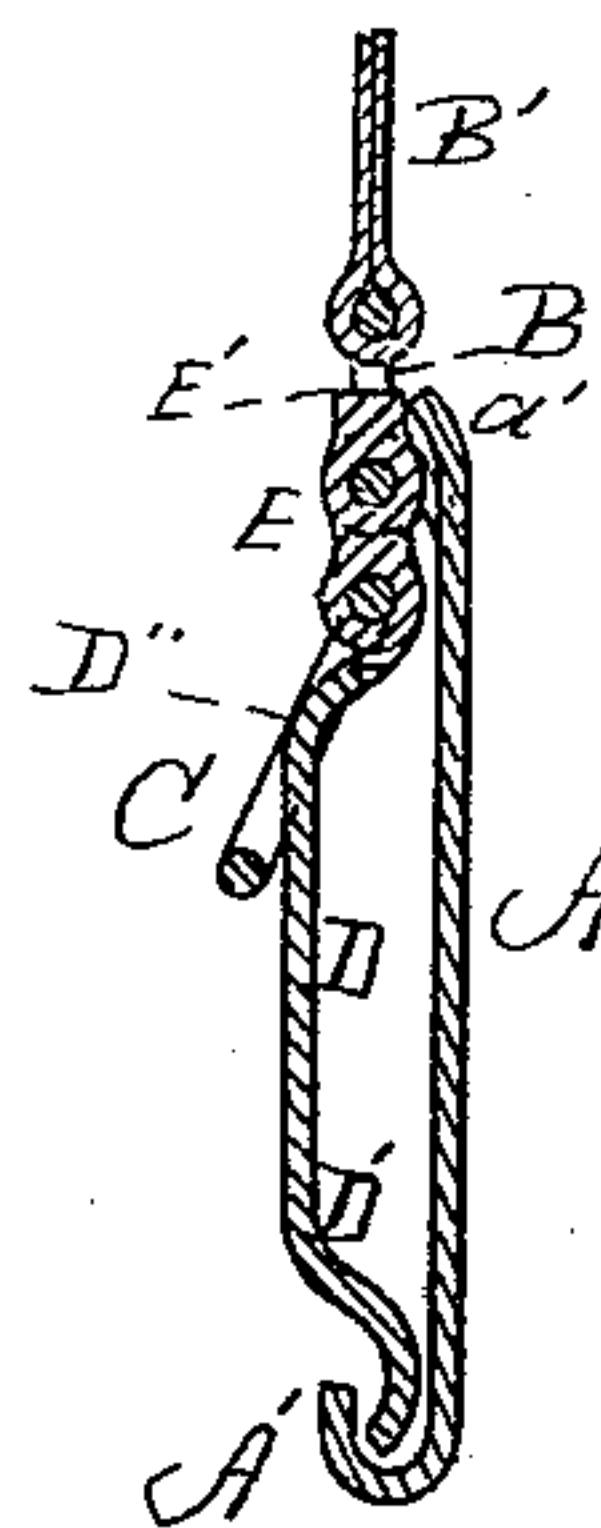


Fig. 5.

INVENTOR  
James F. Atwood.  
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# UNITED STATES PATENT OFFICE.

JAMES F. ATWOOD, OF BOSTON, MASSACHUSETTS.

## GARMENT-SUPPORTING CLASP.

SPECIFICATION forming part of Letters Patent No. 333,495, dated January 5, 1886.

Application filed May 18, 1885. Serial No. 165,850. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES F. ATWOOD, of Boston, in the county of Suffolk and State of Massachusetts, have invented new and useful  
5 Improvements in Garment-Supporting Clasps, of which the following is a specification.

In the accompanying drawings, in which similar letters of reference indicate like parts, Figure 1 is a view in perspective of a garment-supporting clasp embodying my invention, the clasp being represented as closed. Fig. 2 is a vertical section of the same on line *x*, Fig. 1. Fig. 3 is a vertical section of my device in the position assumed when opened  
15 or unclamped. Fig. 4 is a perspective view of a modification. Fig. 5 is a vertical section of the same on line *y*, Fig. 4. Fig. 6 is a view of the cam-link removed. Fig. 7 is a view of the back plate removed.

20 A is the back plate, consisting of a flat piece of metal turned up at the lower end into a lip, A', and vertically slitted at its upper end at *a*, as shown, thus dividing the upper end into three sections. The two outer sections,  
25 *a'' a''*, are folded over to receive the link or loop B, to which is secured the webbing or fabric B', extending to the supporting-garment, and the central section, *a'*, forms a curved spring of the shape shown, the object of which  
30 is below described. The front piece consists of a plate of metal, D, bent back or in at D', and out again a little at its lower end, and provided with folds *d d* at its upper end, in which lies the link or loop C, to which is  
35 secured a handle or tab, C'.

E is a cam-link provided with the flat or squared end E', and the perforations *e e'*, in which lie, respectively, the links or loops B and C. The cam-link thus connects the upper  
40 ends of the plates A and D, lying between the parts *a''* of the former and the parts *d* of the latter. When the clasp is closed and clamping an article of apparel, the lower end of the front plate, D, is pushed down into the  
45 hollow formed by the lip A', the cam-link taking the position shown in Figs. 1 and 2—viz., with its flat or squared end E' vertical, and its rear side resting against the spring *a'*.

To open or unclasp the device, the tab or handle C' is drawn out horizontally, pulling 50 the cam-link to a position on a line with it, and bringing its flat or squared end against the spring *a'*, as shown in Fig. 3. Thus it will be seen that the cam-link holds the clasp in either position, open or closed, until force 55 is applied to it to change the position.

Any suitable handle may be used in place of the tab C', or the link C may be enlarged, so as to constitute a handle, as shown in Figs. 4 and 5. 60

In order to accommodate thick fabrics, an additional bend outward, as at D'', Figs. 4 and 5, may be made in the plate D, if desired, so as to leave greater space between said plate and the back plate, A. 65

While the end E' of the cam-link is preferably flattened, I do not confine myself to that exact shape, but propose to use any shaped end that will be practicable.

Having thus fully described my invention, 70 what I claim, and desire to secure by Letters Patent, is—

1. In a garment-supporting clasp, the combination of the back plate provided with the lip A', the spring *a'*, the cam-link E, and the 75 front plate, D, all constructed and arranged to operate substantially as and for the purpose set forth.

2. The combination of the back plate, A, provided with the lip A' and spring *a'*, the 80 front plate, D, bent at D', as described, and the cam-link E, provided with the flat or squared end E', and pivotally secured at different points to the upper ends of said plates, substantially as and for the purpose described. 85

3. The herein-described improved garment-supporting clasp, consisting, essentially, of the back plate, A, provided with the lip A', spring *a'*, and folds *a''*, the links or loops B C, cam-link E E', front plate, D D', and tab or handle C', all constructed and arranged substantially as and for the purpose set forth. 90

JAMES F. ATWOOD.

Witnesses:

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