

(No Model.)

I. G. PLATT.
BUTTON.

No. 495,754.

Patented Apr. 18, 1893.

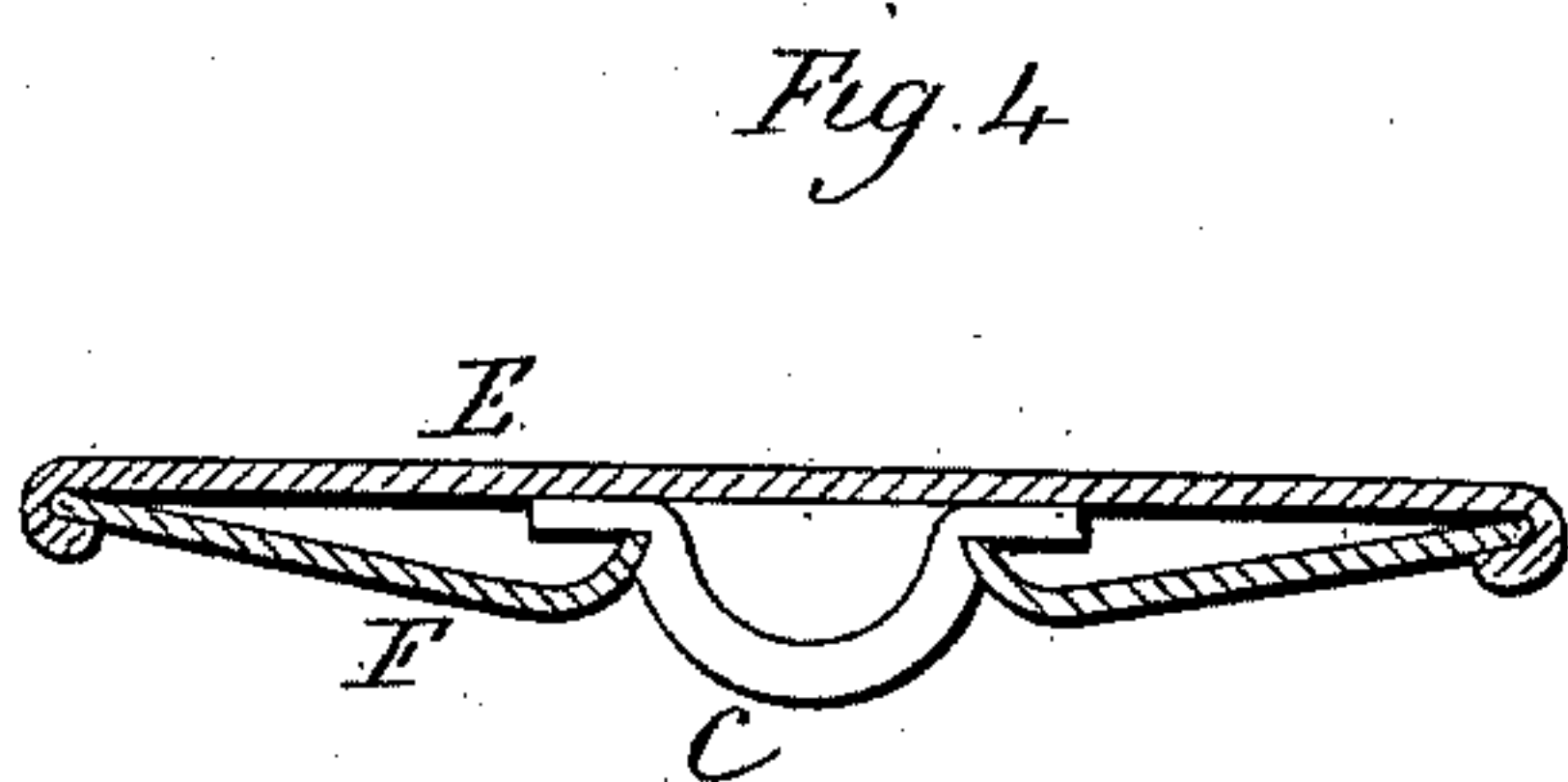
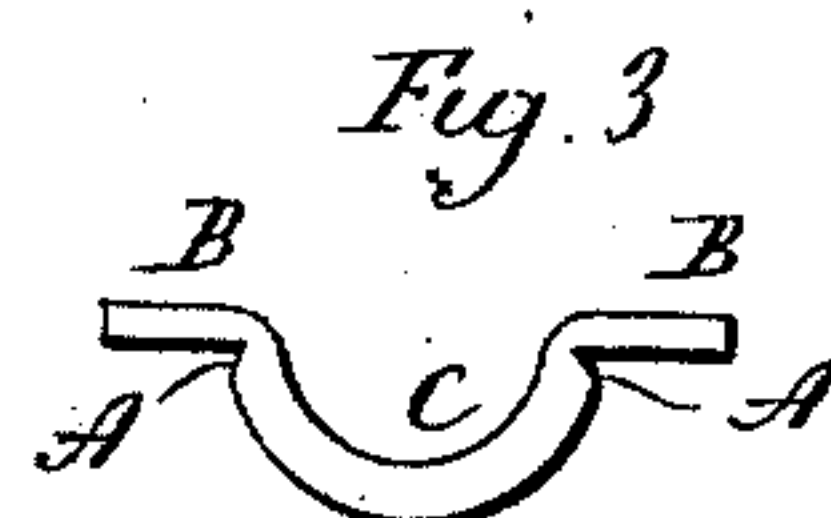
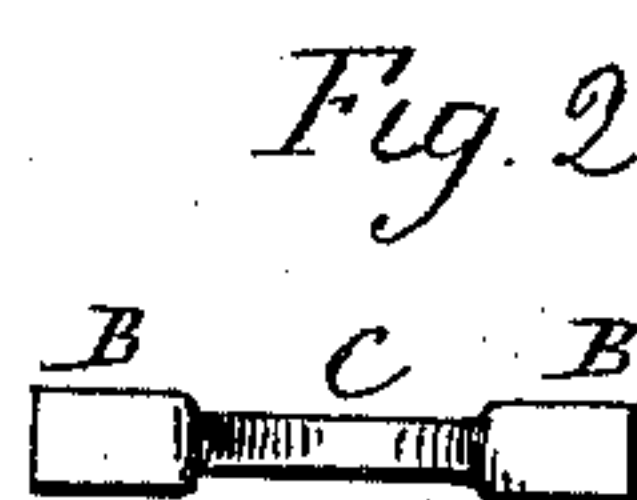
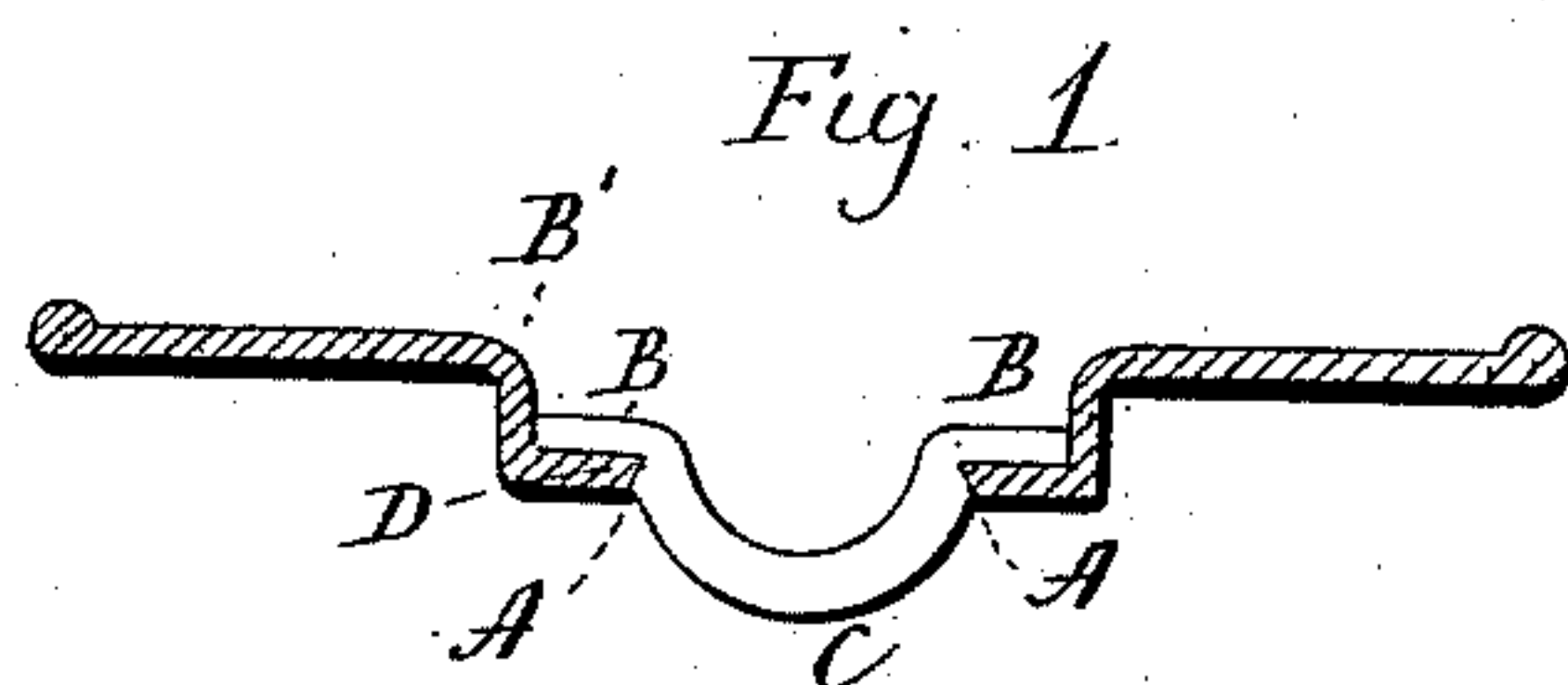
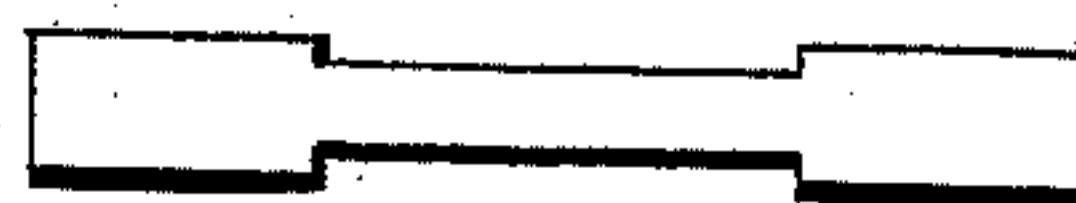


Fig. 5



Fig. 6



Witnesses
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UNITED STATES PATENT OFFICE.

IRVING G. PLATT, OF WATERBURY, CONNECTICUT.

BUTTON.

SPECIFICATION forming part of Letters Patent No. 495,754, dated April 18, 1893.

Application filed August 8, 1892. Serial No. 442,450. (No model.)

To all whom it may concern:

Be it known that I, IRVING G. PLATT, of Waterbury, in the county of New Haven and State of Connecticut, have invented a new
5 Improvement in Buttons; and I do hereby declare the following, when taken in connection with accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and
10 which said drawings constitute part of this specification, and represent, in—

Figure 1, an enlarged sectional view of a button constructed in accordance with my invention; Fig. 2, a detached plan view on the
15 same scale of the button bar; Fig. 3, a similar side view thereof; Fig. 4, a sectional view of a button provided with my improved bar but in this instance having a front plate or cap and a body adapted thereto; Fig. 5, a de-
20 tached view in longitudinal section of a modified form of the bar; Fig. 6, a reverse plan view thereof.

My invention relates to an improvement in buttons, the object being to produce a simple,
25 cheap and durable article in which the button-bar is firmly held against lateral or longitudinal displacement by a single plate forming the body of the button.

With these ends in view, my invention consists in a button bar and body having certain
30 details of construction as will be hereinafter described and pointed out in the claim.

As shown in Figs. 1, 2, 3 and 4 of the drawings, the bar is of bowed form, and provided
35 with two under-cut shoulders A A, located between its ends B B and its loop C, and formed by flattening the said ends to form the shoulders, and bending the bar into shape as shown to give the said shoulders the effect of
40 being under-cut. The said under-cut shoulders receive under them the angled wall D of the perforation formed in the center of the hub of the body B', the said body being set
45 inward around the said perforation to present the wall thereof at an angle to the said shoulders as shown. The body of the button as shown in Fig. 1 of the drawings is made from a single piece of sheet metal, and has the ordinary form of the body of a button having
50 but one piece or member.

By providing the button-bar with under-cut

shoulders as described, the angled wall of the button-body will take under the same so as to hold the said bar against lateral or longitudinal displacement, and obviously the greater
55 the strain placed upon the loop or bow of the bar tending to draw the same away from the body, the more firmly will it be coupled therewith, inasmuch as the tendency of such strain is to bend the angled wall of the body down-
60 ward and push it farther under the under-cut shoulders of the bar.

Heretofore button-bars have been held in place against lateral displacement in one direction by a front-plate or cap applied to the
65 body of the button, but under my invention such a plate or cap is not necessary, for that purpose, so that I am enabled to form a button simply of a bar and body and without a front plate or cap. The bar and body are as-
70 sembled by snapping them together, so to speak, whereby the wall around the perforation in the body springs and takes under the under-cut shoulders of the bar.

Fig. 4 of the drawings shows a button constructed in accordance with my invention, but
75 provided with a front-plate or cap E, the edges of which are clasped over a button-body F suitable in form to such a button, and having the wall around its central perforation set in-
80 ward, and inclined to take under the under-cut shoulders of the bar C, which corresponds to the bar shown in the preceding figures. In this construction, however, the bar is held in
85 place exclusively against lateral and longitudinal movement by the body F of the button, without reference to the cap E. The making of a button of this class is greatly fa-
90 cilitated by my invention, in that the bar and body of the button may be assembled without reference to the front-plate or cap which is more conveniently applied afterward. By
95 preference I impart a bowed form to the central portion of the bar, but that is not necessary, for I may make the bar with a straight central portion and flattened ends, as shown
by Figs. 5 and 6 of the drawings.

This invention is confessedly an improvement on the button patented in the United States No. 363,676 to L. A. Platt, and I claim
100 only my provision of the bar with under-cut shoulders. Nor do I in this case claim the

method by means of which my improved button-bar is produced, having made such method the subject matter of another application filed December 21, 1891, and serially numbered 415,775.

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

In a button, the combination with a body having a central perforation, of a button-bar having flattened ends and constructed with under-cut shoulders located at the inner extremities of the said ends, the wall of the said

perforation in the body of the button taking under the said under-cut shoulders, substantially as set forth, and whereby the bar is secured in place by the said body of the button alone.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

IRVING G. PLATT.

Witnesses:

SAML. P. WILLIAMS,
V. BOHL.