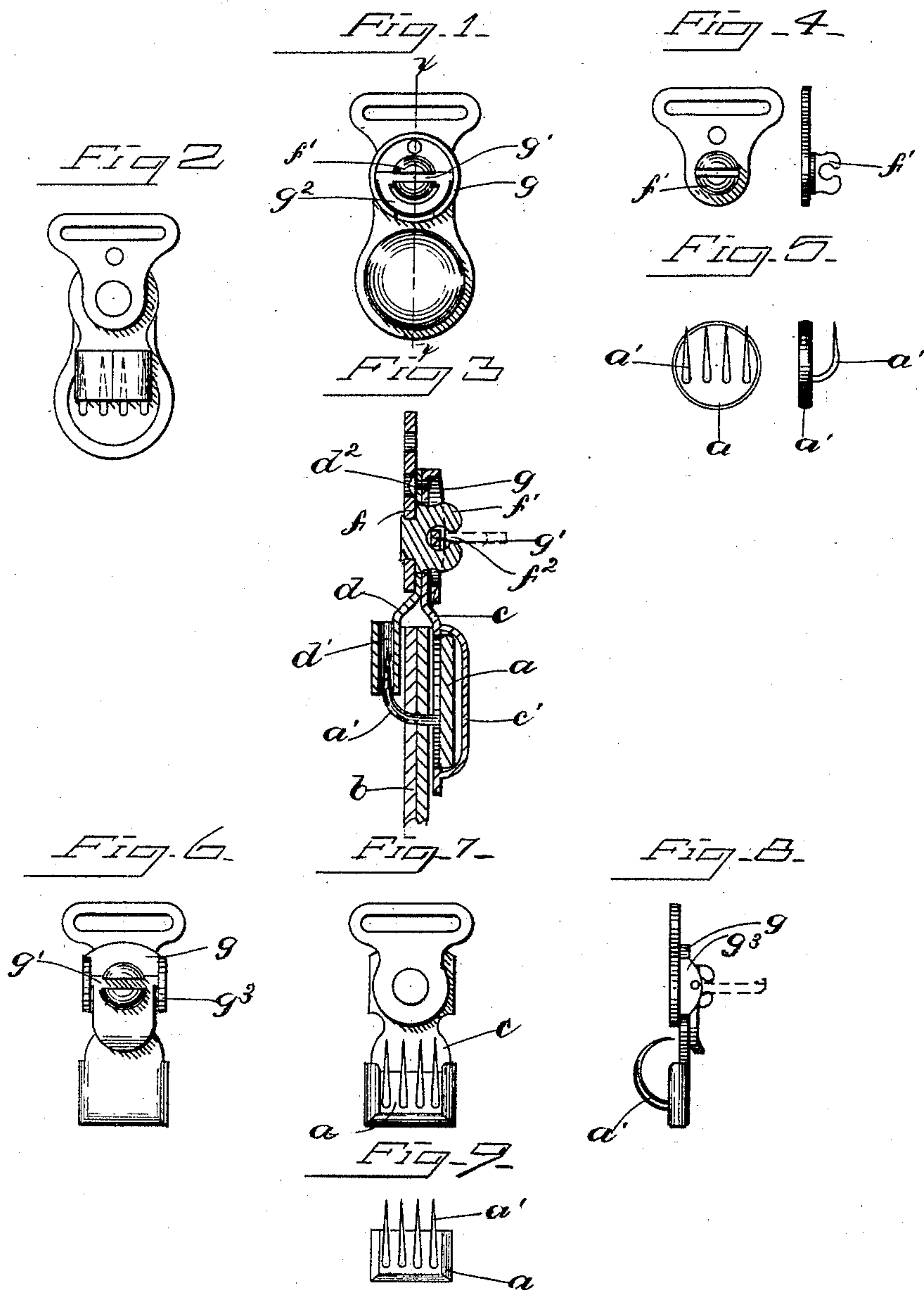


(No Model.)

W. B. DRAPER.
CLASP.

No. 497,710.

Patented May 16, 1893.



WITNESSES
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CLASP.

SPECIFICATION forming part of Letters Patent No. 497,710, dated May 16, 1893.

Application filed January 19, 1893. Serial No. 458,965. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM B. DRAPER, of Cambridge, county of Middlesex, State of Massachusetts, have invented an Improvement in Clasps and Cast-Offs, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention relates to clasps and cast-offs, and my invention consists in various details of construction to be hereinafter pointed out.

Figure 1, shows in front elevation a clasp and cast-off embodying this invention; Fig. 2, a rear side view of the clasp and cast-off shown in Fig. 1; Fig. 3, an enlarged vertical section of the clasp and cast-off shown in Fig. 1, taken on the dotted line $x-x$; Fig. 4, details of the cast-off; Fig. 5, details of one part of the clasp; Fig. 6, a front elevation of a modified form of clasp and cast-off embodying this invention; Figs. 7 and 8, rear and side views of the same; Fig. 9, a detail of one of the parts of the modified cast-off.

The clasp shown in Figs. 1, to 5, inclusive consists of the plate a , having upon its rear side several curved pins or pointed projections a' , which are adapted to penetrate the cloth b , or other material, and the plate c having a cavity c' shaped to receive and firmly hold itself upon the plate a , and also preferably a plate d having a socket or recess d' , to receive the points of the pins a' , and prevent them from accidentally injuring anything. The plates c and d it will be seen thus lie at opposite sides of the material to be clasped, and said plates are extended upwardly for a short distance and connected together loosely by a rivet d^2 .

The clasp shown in Fig. 3, is in engagement with the material, and to disengage the same the plate c is removed from its engagement with the plate a , after which the plate a may be readily removed.

Referring to Figs. 6 to 9, the clasp also consists of the plate a , having curved pins or prongs a' and the plate c having a cavity or recess formed by overturning the sides of said

plate to receive and firmly hold itself upon the plate a .

The cast-off consists of a plate f having rigidly secured to it the projection f' , with a transverse slot or recess f^2 , and the plate g having a hole through it to receive said projection f' , and the cross bar g' , pivoted to said plate g , and other than round in cross section so as to enter said slot or recess g' , and when turned therein is prevented from becoming detached. This cross bar g' , has connected with it a lever or finger piece g^2 , by means of which it may be turned when desired. The face of the plate g has formed upon it a recess or countersink to receive said finger piece when depressed. The plate g is herein shown as formed integral with or as an extension of the plate c .

Referring to Figs. 6 to 9, inclusive the plate g is provided with ears g^3 , to which the cross bar g' is pivoted and said cross bar is provided with a downwardly extended finger piece of a different form.

I claim—

1. The described clasp consisting of a suitable supporting plate, a plate c connected therewith, a plate a removably supported by the said plate c , said plate a having prongs projecting from its rear face, substantially as described.

2. The described clasp consisting of a suitable supporting plate, a plate c connected therewith, a plate a having prongs projecting from its rear face removably supported by said plate c , and a sheath or pocket d' to cover said prongs, substantially as described.

3. The described clasp consisting of the plate c the plate a removably supported thereby, a plate f supporting the plate c and a detachable connection between the plates f and c with means for locking the same together, substantially as described.

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

WILLIAM B. DRAPER.

Witnesses:

BERNICE J. NOYES,
CHARLES B. CROCKER.