Sept. 28, 1937. C. W. COUSENS 2,094,292

FABRIC CLASP

Filed Jan. 13, 1937

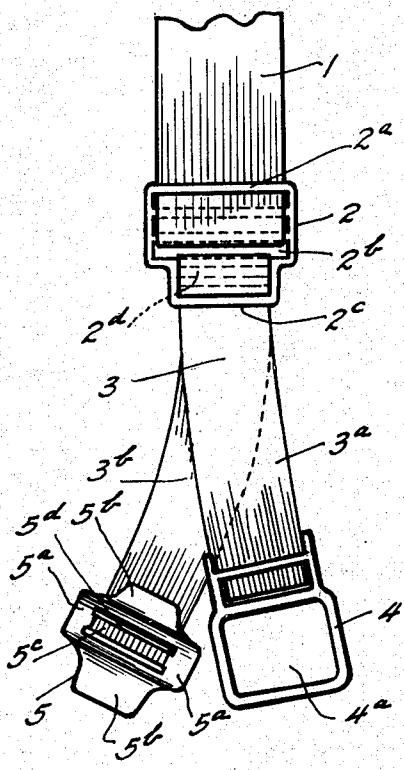


Fig. 1.

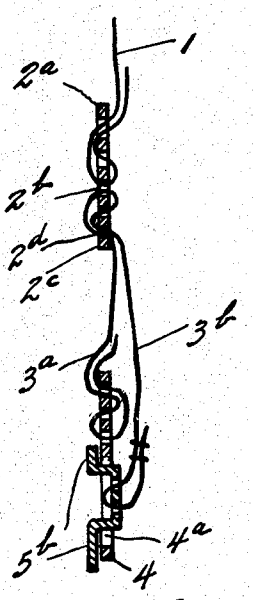


Fig. 4.

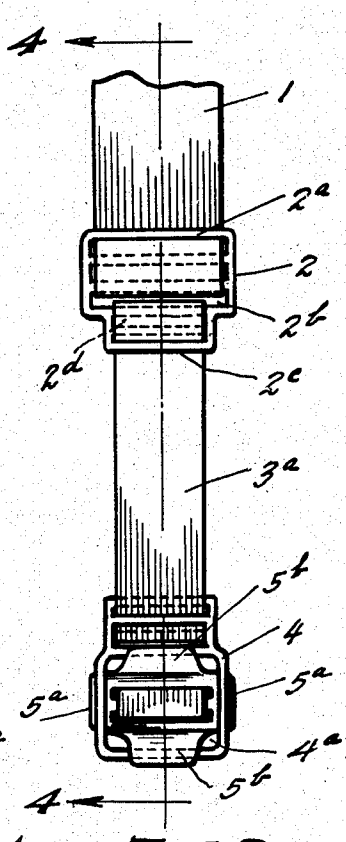


Fig. 3.

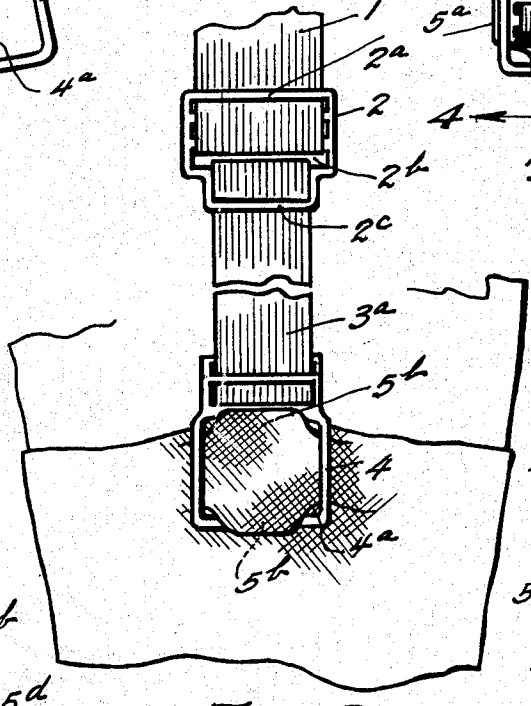


Fig. 2.

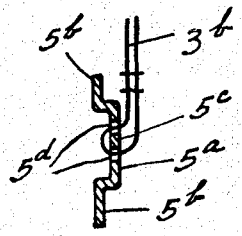


Fig. 6.

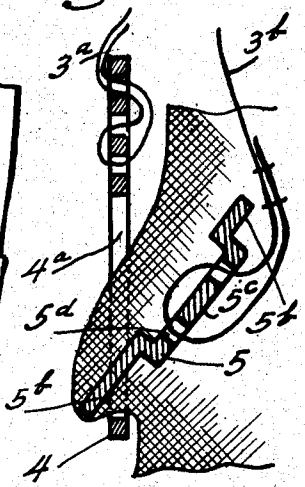


Fig. 5.

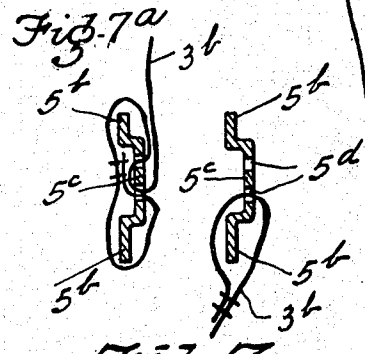


Fig. 7.

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FABRIC CLASP

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Application January 13, 1937, Serial No. 120,351

8 Claims. (Cl. 241—1)

This invention relates to clasps, and in particular to the clamping and holding of wearing apparel, such as hose. The primary object of the invention is to provide a simple, secure, yet quickly operated clasp of the two part co-acting type.

The design has been so arranged as to make a perfectly flat device when assembled and in use against the body. Furthermore, the shape and clamping action is such as to grip a stocking across the threads and distribute the pull over a great number, thereby lessening the unit strain.

Although many attempts to produce such a clasp have been made, several of the most fundamental details have been omitted, and it is the purpose of this application to fully describe and claim these features.

In particular it has been found that such a device must be openly constructed so as to provide the easiest possible entry of the under member with the fabric stretched thereon, into the top clamping member.

The device must be proof against accidental opening. To effect this a special design of under member has been developed with stops which add to the clamping action and secure the device against opening.

All of these advantages will be better understood by reference to the drawing, in which—

Figure 1 is a perspective view showing the clasp members mounted on tapes to form a hose supporter.

Figure 2 shows the device in place as a hose supporter.

Figure 3 is a plan view of the device as a hose supporter.

Figure 4 is a section taken on line 4—4 in Figure 3.

Figure 5 is a section similar to Figure 4, but shows the device just as the stocking is entering for clamping.

Figure 6 is a diagrammatic view showing method of attaching tape in uncovered design.

Figure 7 is a diagrammatic view showing the initial step in attaching the tape to the inner member.

Figure 7*a* shows the concluding step in threading the tape through the inner member to form a cover for the inner member.

Similar reference numerals refer to similar parts throughout the drawing.

An elastic support band 1 is attached to the corset or forms a band to wrap around the leg.

This band is looped into a fastener, 2, which is preferably a flat metal piece with a series of bars, 2A, and slots, 2B. The exact method of looping so that adjustment for length may be made is shown in Figure 4. Additional bars 2C, and slots, 2D, are provided on part 2 to receive the clasp strap, 3, which is threaded through the bars of part 2, as shown in Figure 4, to form an end, 3A and 3B, to which are attached clasp members 4 and 5, respectively. The outer member, 4, is preferably a stamped metal loop, with a substantially square opening, 4A, and a series of bars for receiving the tape, 3A. The tape is attached and held as shown in Figure 3.

The inner member, 5, is preferably a stamped metal piece of "cross shape", having a horizontal bar, 5A, and a vertical bar, 5B. The bar 5C, and slots 5D are placed in the center of the piece in a horizontal direction to receive and fasten the tape, 3B as shown in Figure 6.

The vertical bar, 5B, of the "cross shape" has its ends offset from the horizontal bar, 5A, in a plane toward the upper member, 4, and to an extent at least the thickness of part 4, plus the thickness of the stocking. This permits the part 5 to enter the opening, 4A, in part 4, as shown in Figure 5. The lower end, 5B, is entered first, pushing the fabric ahead of it in a downward direction; then the upper end, 5B, is entered, carrying the fabric with it. The cross bar 5A, however, stops the further movement and locks the "cross shape" in position with the vertical arms through the loop, 4, and the horizontal arms behind the loop 4.

This method of attaching is obviously very easy to operate, as there is ample room for fingers to take hold of the pieces; there are no obstructions to quick and easy ingress and egress of the co-acting members. Furthermore, the design of the co-acting parts is such that it is very effective as a clasp, and the one arm of the "cross shape" piece acting against the other arm makes a very simple locking device.

For some fabrics, such as sheer weight silk stockings, it is desirable to cover the inner member, and a very simple yet effective means of accomplishing this is shown in Figures 7 and 7*a*. The tape from which the part is to be suspended is looped through one of the slots, 5D, in the piece, and stitched as shown in Figure 7. This is then brought over the top, and the tape is looped through, as shown in Figure 7*a*.

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

1. A clasp for fabrics, comprising two complementary parts, an outer member having a substantially square opening, an inner member of

substantially "cross shape", the arms of which are longer than the said opening in the outer member; the vertical arms offset from the horizontal arms by a distance substantially equal to the thickness of the outer member, plus the thickness of the fabric to be clamped.

2. A hose supporter, comprising a suspending band, a multiple bar adjuster for said band, a tape suspended substantially at its center from said adjuster, and a clasp for engaging and holding a stocking, comprising two complementary parts, an outer member having an opening, an inner member of a width greater than the opening, but provided with offset top and bottom extremities, to clamp the stockings against the outer member.

3. A hose supporter, comprising a suspending band; a multiple bar adjuster for said band, a tape suspended substantially at its center from said adjuster and a clasp, comprising two complementary parts, an outer member having a substantially square opening, an inner member of substantially "cross-shape", its horizontal bar to act as a stop against passage through the opening, its vertical bar offset to extend through the said opening.

4. A hose supporter comprising a suspending band, a multiple bar adjuster for said band, a tape suspended substantially at its center from said adjuster, and a clasp, comprising two complementary parts, an outer member having a substantially square opening, an inner member of substantially "cross-shape", the arms of which are longer than the said opening in the outer member, the vertical arms offset from the horizontal arms by a distance substantially equal to the thickness of the outer member, plus the thickness of the fabric to be clamped.

5. In a fabric clasp, an outer flat stamped member, having an opening of substantially rectangular section, an inner member of substantially "cross-shape", the horizontal bar of which has a width greater than the opening in the outer member, and the vertical bar of which has a height greater than the opening of the outer member, the one bar to co-act with the one side of the outer member, and the other bar offset to enter the opening of the outer member and co-act with the other side of the outer member, and means to support at least one of the members.

6. In a fabric clasp, an outer flat stamped member, having an opening of substantially rectangular section, an inner member of substantially "cross-shape", the horizontal bar of which has a width greater than the opening in the outer member, and the vertical bar of which has a height greater than the opening of the outer member, the one bar to co-act with the one side of the outer member, and the other bar offset to enter the opening of the outer member and co-act with the other side of the outer member, and means to support the two members, consisting of a single equalizing tape.

7. In a fabric clasp, an outer flat stamped member, having an opening of substantially rectangular section, an inner member of substantially "cross-shape", the horizontal bar of which has a width greater than the opening in the outer member, and the vertical bar of which has a height greater than the opening of the outer member, the one bar to co-act with the one side of the outer member, and the other bar offset to enter the opening of the outer member and co-act with the other side of the outer member, means to support the outer member, and a supporting tape so fastened to the inner member as to cover its clamping projections.

8. In a fabric clasp, an outer flat stamped member, having an opening of substantially rectangular section, an inner member of substantially "cross-shape", the horizontal bar of which has a width greater than the opening in the outer member, and the vertical bar of which has a height greater than the opening of the outer member, the one bar to co-act with the one side of the outer member, and the other bar offset to enter the opening of the outer member and co-act with the other side of the outer member, means to support at least one of the members, and a suspension band with length adjuster.

CLAYTON W. COUSENS.