March 1, 1949. R. TILLY 2,463,068

GARMENT SUPPORTER

Filed Jan. 2, 1948

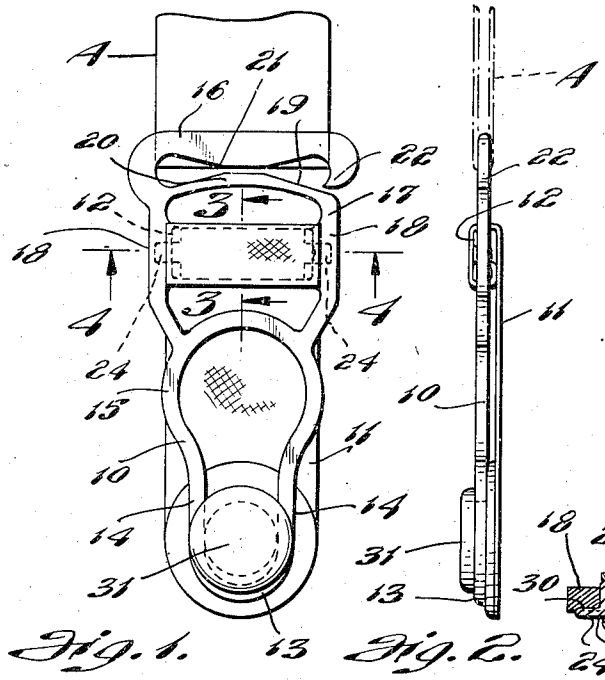


Fig. 1.

Fig. 2.

Fig. 3.

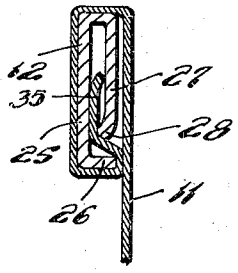


Fig. 4.

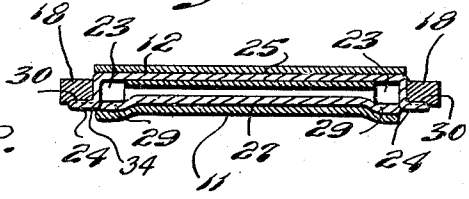
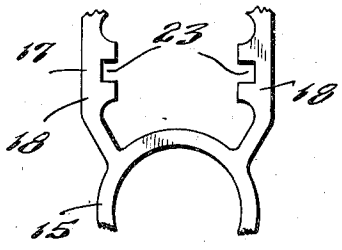


Fig. 6.



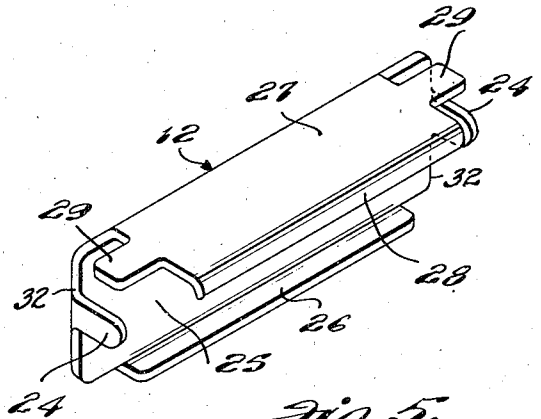


Fig. 5.

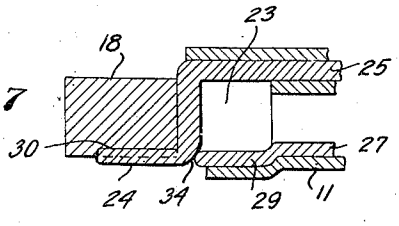


Fig. 7.

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GARMENT SUPPORTER

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4 Claims. (Cl. 24—245)

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This invention relates to garment supporters of the button tab type and the same has particular reference to a supporter of said character having improved means for connecting the button tab with the supporting loop.

The invention comprehends a garment supporter of the indicated character having an attaching element for connecting the tab with the supporting loop which is so constructed and connected with the loop as to provide smooth opposite faces substantially flush with the opposite face of the loop and which avoids irregularities and projections which might catch in clothing or provide means for irritating the wearer.

Another object of the invention is the provision of an attaching element of said character which may be conveniently and expeditiously assembled with and secured to the loop so as to minimize the cost of manufacture of the supporter.

Still another object of the invention is the provision of an attaching element and supporting loop having interengageable means for connecting the element in bridging relation between opposite sides of the loop for securely and rigidly holding the element in position.

A further object of the invention is the provision of means for retaining the attaching element and supporting loop in connected engagement.

With the foregoing and other objects in view, reference is now made to the following specification and accompanying drawings in which the preferred embodiment of the invention is illustrated.

In the drawings:

Fig. 1 is a view in elevation of a garment supporter constructed in accordance with the invention.

Fig. 2 is a side view thereof.

Fig. 3 is a fragmentary sectional view taken approximately on line 3—3 of Fig. 1.

Fig. 4 is a transverse sectional view taken approximately on line 4—4 of Fig. 1.

Fig. 5 is an enlarged perspective view of the attaching element before being bent into engagement with the loop member.

Fig. 6 is an enlarged fragmentary front view of the loop member.

Fig. 7 is an enlarged fragmentary sectional view similar to Fig. 4 showing one end of the attaching element in engagement with the loop member.

Referring to the drawings by characters of reference, the garment supporter consists of a loop member 10, a button tab 11 and an attaching

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element 12 connecting the button tab with the loop member.

The loop member 10 is formed as a stamping from sheet material and comprises a contracted lower button receiving loop portion 13 having parallel opposite sides 14 which curve outwardly above said button receiving portion so as to form an enlarged substantially circular portion 15 for receiving the head 31 of the button tab together with a portion of the garment (not shown) to be supported for engagement in the loop portion 13.

The loop member 10 also includes an uppermost cross bar 16 for attachment to a garment loop A indicated in dotted outline or other means for supporting the same and between said uppermost cross bar and the enlarged portion 15, the loop member 10 includes an intermediate portion 17 having substantially straight opposite sides 18 which are connected at their upper ends by a transversely extending cross bar 19. The cross bar 19 and the uppermost cross bar 16 have inwardly extending arcuate inner edges 20 and 21 providing a constricted space therebetween for frictionally retaining the garment loop A therein. The uppermost cross bar 16 is provided with a downwardly and inwardly curved free terminal 22 located below the inner arcuate edge 20 of the cross bar 19 and narrowly spaced from said cross bar at the outer end thereof so as to provide a constricted entrance for inserting the garment loop A into the constricted space between the cross bars 16 and 19.

The opposite sides 18 of the intermediate portion 17 are widened substantially medially thereof, the widened portions being provided with oppositely disposed notches 23 opening through the inner edges thereof for receiving therein the tongues 24 of the attaching element 12 with the free ends of the tongues bent outwardly into clamping relation over the inner faces of the sides 18 and with the wall 25 of the attaching element engaging at its ends 32 against the outer faces of the widened portions thereof for rigidly securing the attaching element in bridging relation between the sides 18. The tongues 24 are formed integrally with and project outwardly from the opposite ends of the wall 25 which is also provided with a flange or rim 26 connected with the lower edge thereof and with a wall 27 connected therewith along the upper edge thereof. The wall 27 is bent into adjacent parallel relation with the wall 25 and the same is provided with an inwardly curved outer edge 28 which is clamped against the under side of the wall 25 with the end of the button tab secured therebetween.

The clamping action between the attaching element 12 and the loop member 10 is effected by the tongues 24 extending through the notches 23 with the outer ends 34 thereof bent over the inner faces of the sides 18 of the loop member and by the overlapping abutting relationship of the outer ends of the wall 25 adjacent the tongues 24 with the outer faces of the sides 18 of the loop member.

In order to retain the tongues 24 in the notches 23, the wall 27 is provided with projections 29 at the opposite ends thereof which extend laterally into overlying relation with the outer ends of the notches and into abutting relation with the tongues. In addition thereto, the outer bent ends of the tongues are compressed into the surface of the sides 18 forming depressions 30 in which the bent ends of the tongues engage so as to provide a substantially smooth connection with the loop member.

As illustrated, the end of the tab engages over the edge of the rim 26 and under the inwardly curved edge 28 of the wall 27 with the extreme end 35 of the tab located between the top and bottom walls. Adjacent the connection with the attaching element 12 the tab extends forwardly into covering relation with the upper wall thereof and then passes between the attaching element and the cross bar 19 with the button 31 secured to the free end of the tab disposed in depending relation at the rear of the loop member 10.

Constructed in this manner the attaching element 12 is located wholly within the confines of the loop member 10 between the opposite sides 18 adjacent the upper ends thereof. The tongues 24 of the attaching element and the notches 23 in the opposite side walls of the loop member provide interengageable means for connecting the attaching element and loop member together which securely holds the attaching element substantially flush with the loop member and provides a construction by which both the loop member and attaching element may be produced by a stamping operation from flat material. The projections 29 of the wall 27 function to prevent inward bending movement of the tongues 24 in the notches 23 so as to retain the same in locked engagement with the loop member.

The loop member 10 may be fashioned of metal or of synthetic plastic material and the like while the attaching element 12 is preferably fashioned of metal. The tab 11 is of flexible material and is fashioned of fabric such as webbing while the button 31 thereof is of rubber composition.

What is claimed is:

1. In a garment supporter, a loop member having opposite sides formed with notches opening through the inner edges thereof adjacent their upper ends, a flexible tab having a button at the lower end thereof, and an attaching element for the flexible tab having a forward wall formed with tongues at the opposite ends thereof extending through said notches with the ends of the tongues bent outwardly into overlying clamping relation with the under face of said loop member and with the forward wall of said attaching element engaging at its end against the outer face of said loop member, said attaching element having a rear wall disposed in substantially parallel relation with the forward wall thereof and with the upper end of said button tab secured between said forward and rear walls.

2. In a garment supporter, a loop member having opposite sides formed with notches opening through the inner edges thereof, a flexible tab having a button at the lower end thereof adapted to engage said loop member, and an attaching element for the flexible tab having opposite walls disposed in clamping relation with the upper end of said tab secured therebetween, one of said walls having tongues extending through said notches with the ends of the tongues bent into overlying clamping relation with one face of the loop member and said last mentioned wall extending into abutting overlying relation with the loop member against the face thereof opposite to said aforementioned face for connecting the attaching element therewith.

3. In a garment supporter, a loop member having opposite sides formed with notches opening through the inner edges thereof, a flexible tab having a button at the lower end thereof adapted to engage said loop member, and an attaching element for the flexible tab having opposite walls disposed in clamping relation with the upper end of said tab secured therebetween, one of said walls extending into abutting overlying relation with the forward faces of the side portions of the loop member and having tongues extending through said notches with the ends of the tongues bent into overlying clamping relation with the rear faces of the sides of said loop member for connecting the attaching element therewith, and the other of said walls having projections overlying the notches and engaging the tongues for preventing inward movement thereof.

4. In a garment supporter, a loop member having opposite sides formed with notches opening through the inner edges thereof, a flexible tab having a button at the lower end thereof adapted to engage said loop member, and an attaching element for the flexible tab having opposite walls disposed in clamping relation with the upper end of said tab secured therebetween, one of said walls extending into abutting overlying relation with the forward faces of the side portions of the loop member and having tongues extending through said notches with the ends of the tongues bent into overlying clamping relation with the rear faces of the sides of said loop member for connecting the attaching element therewith and said bent ends of the tongues engaging in depressions in the rear face of the loop member so as to provide a smooth connection therewith.

ROBERT TILLY.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
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