Nov. 5, 1929. D. MARINSKY 1,734,039

STRAP ATTACHING AND END FINISHING DEVICE

Filed Oct. 17, 1928

Fig. 1.

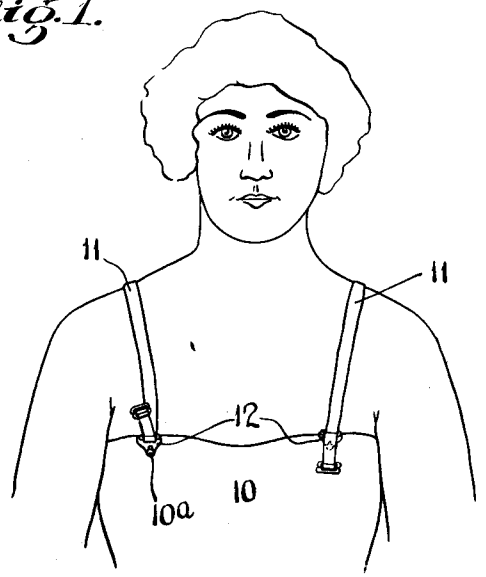


Fig. 2.

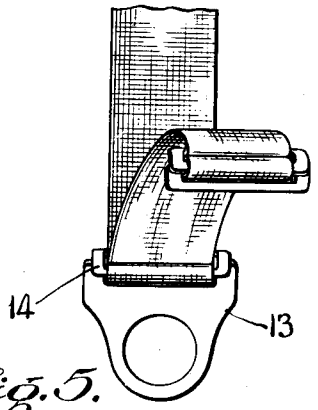


Fig. 3.

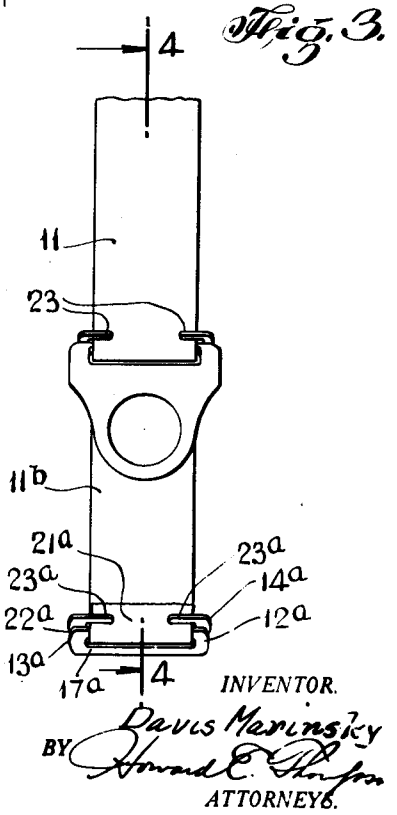


Fig. 4.

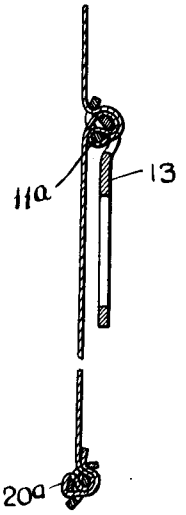
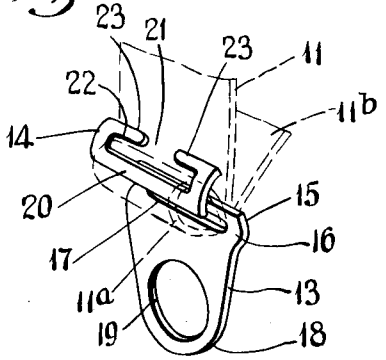


Fig. 5.



INVENTOR.

BY Davis Marinsky

Howard E. Thompson

ATTORNEYS.

Patented Nov. 5, 1929 1,734,039

UNITED STATES PATENT OFFICE

DAVIS MARINSKY, OF NEW YORK, N. Y., ASSIGNOR TO MOLLIE BECKERMAN, OF NEW YORK, N. Y.

STRAP-ATTACHING AND END-FINISHING DEVICE

Application filed October 17, 1928. Serial No. 313,012.

This invention relates to devices adapted to be mounted upon straps, bands or the like of various kinds and classes and for numerous uses and particularly for supporting straps or bands in connection with body garments of various kinds and classes and further to forming a finished end or ends to straps of this class; and the object of the invention is to provide a device of the class specified consisting of two cooperating parts, the strap or band being looped through an aperture in one of said parts and the other part being coupled with the loop portion of the strap and cooperating with the other part to lock the strap in predetermined positions of adjustment with relation to the first named part; a further object of my invention being to provide the first named part of the device with an extending portion by means of which the same may be secured to a garment or other support or a member fixed to the garment or support; and with these and other objects in view, the invention consists in a device of the class and for the purpose specified which is simple in construction, efficient in use and which is constructed as hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawing forms a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views and in which:—

Fig. 1 diagrammatically illustrates one method of carrying my invention into effect.

Fig. 2 is a detail view of a part of the construction shown in Fig. 1 on an enlarged scale.

Fig. 3 is a back view of the structure shown in Fig. 2 with parts in a different position.

Fig. 4 is a section on the line 4—4 of Fig. 3; and,

Fig. 5 is a perspective detail view of the separate parts of one of the devices shown in Figs. 1 to 4 inclusive, and indicating the manner of attaching a strap member thereto.

For the purpose of illustrating one use of my invention, I have shown in Fig. 1 of the drawing, the upper portion of a garment 10 of any kind or class supported upon the body of the wearer by strap members 11 which extend over the shoulders and are secured to both the front and back portions of the garment 10 by my improved fastening devices 12, one of which is employed at each end portion of the separate strap members. All of the devices 12 are of the same construction so that the description of one will apply to all.

The device 12 consists of separate parts 13 and 14 which may be fashioned from any suitable material preferably from a sheet material. The part 13 has a crosshead 15 at one end which is preferably curved or offset laterally throughout the longitudinal plane thereof to form a concave recess 16. Arranged in the central portion of this recess is an elongated aperture 17 through which one end portion of the strap member or band 11 is adapted to be looped as indicated at 11^a, Fig. 5 this loop being also shown in full lines in Fig. 4 of the drawing. The other end portion of the member 13 is rounded as seen at 18 and provided with an aperture 19 which is adapted to be placed over a knob or headed member 10^a secured to the upper edges of the garment 10, it being understood that any desired form of attaching means may be incorporated at the lower end of the part 13.

The part 14 is in the form of an open loop having a crosshead portion 20 around which the loop part 11^a of the strap 11 passes. The other side of the member 14 has a central opening 21 permitting the passage of the strap 11 into the apertured portion 22 of the member 14 and further permitting the oppositely disposed and inwardly projecting arms 23 to engage the strap or separate parts of the strap to assist in locking the device 12 or the separate members 13 and 14 thereof against movement relatively to the strap.

In the use of the device, one end portion of the strap 11 is formed into a loop which is threaded through the aperture 17 in the part 13 to extend from the concave face 16 of said part after which one end of the member 14 is passed through said loop in the strap, and the member 14 is manipulated to extend the arms 23 at the outer side of the loop por-

tion of the strap as indicated in Fig. 5 of the drawing, after which the part 13 is adjusted to the proper position with reference to the inner or central portion of the strap to adjust the length thereof suitable for supporting the garment 10 properly upon the body of the wearer, after which the free end portion of the strap designated at 11^b, Fig. 5, is pulled to close the loop 11^a, moving that part 20 into engagement with the concave face 16 of the member 13, temporarily locking both members 13 and 14 upon the strap 11.

In some uses of the device, the strap 11 together with the end portion 11^b may now be locked into engagement with the arms 23 by passing the same through the opening 21 so that said arms 23 will be arranged upon the inner face of the strap end 11^b, thus securely locking the parts in position.

In the present showing, the strap 11 alone is placed in the recess 22 through the opening 21 so as to bring the arms 23 on the inner face of said strap as clearly seen in Fig. 3 of the drawing. In this arrangement, the strap end 11^b extends downwardly over the front face of the entire device.

In order to avoid folding the free end of the strap upon itself and stitching the same together to form a finished end portion as is a common practice, I employ a device 12^a similar in all respects to the device 12 in operation but modified only as to the shape or contour of one of the members, namely the member 13^a which is substituted for the member 13, the difference being that the member 13 does not have the projecting and apertured end portion. In other words, this member terminates slightly below the aperture 17^a formed therein, producing an elongated loop-shaped body which is curved in cross sectional form to correspond with the cross-sectional form of the upper part of the member 13. With this device, a member 14^a identical in all respects to the member 14 is employed and cooperates with the member 13^a to lock the end of the strap within and between said members and the reference characters 20^a, 21^a, 22^a and 23^a represent parts identical with the parts 20, 21, 22 and 23.

The purpose of the device 12^a is to prevent the accidental withdrawal of the end portion 11^b of the strap through the device 12 or the separate parts thereof especially in the adjustment of said parts on the strap. It will be further noted that with my improved construction, a strap or band securing device may be secured to the strap or band without the necessity of threading the end portion of the strap or band through either part of the device.

The attachment is made by looping any part of the strap or band intermediate its ends. This will prove advantageous and beneficial in many uses of the device and especially uses other than that disclosed in the accompanying drawing. It will also be apparent that the device 12^a, in addition to forming a finished end to the strap may also serve as an ornamental end, the separate members 13^a—14^a or at least one of them being characterized for this purpose.

It will also be understood that the complete strap member or strap members may be detached from the garment 10 in laundering the same, and should it be desired to launder the straps, the separate members of the devices 12—12^a may be readily detached for this purpose.

It will also be apparent that while I have shown certain details of construction for carrying my invention into effect and have illustrated one use of my invention, that I am not necessarily limited in these respects and various changes in and modifications of the construction herein shown and described may be made within the scope of the appended claims without departing from the spirit of my invention or sacrificing its advantages.

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

1. A device of the class described comprising two cooperating members, one of said members having an aperture through which a loop portion of a strap is adapted to pass, and the other member comprising an open ring, the closed side of which is adapted to be arranged within the loop of said strap with the free end portions of said ring arranged outwardly of said loop in adjustably supporting said members on said strap.

2. A device of the class described comprising two cooperating members, one of said members having an aperture through which a loop portion of a strap is adapted to pass, the other member comprising an open ring, the closed side of which is adapted to be arranged within the loop of said strap with the free end portions of said ring arranged outwardly of said loop in adjustably supporting said members on said strap, and that part of the strap extending from the first named member being adapted to be placed in said open ring and to cooperate with the separate side members thereof.

3. A device of the class described comprising two cooperating members, one of said members having an aperture through which a loop portion of a strap is adapted to pass, the other member comprising an open ring, the closed side of which is adapted to be arranged within the loop of said strap with the free end portions of said ring arranged outwardly of said loop in adjustably supporting said members on said strap, that part of the strap extending from the first named member being adapted to be placed in said open ring and to cooperate with the separate side members thereof, and the first named member being provided with a concave recess

in connection with which the closed side of said ring operates.

4. A device of the class described comprising two cooperating members, one of said members having an aperture through which a loop portion of a strap is adapted to pass, the other member comprising an open ring, the closed side of which is adapted to be arranged within the loop of said strap with the free end portions of said ring arranged outwardly of said loop in adjustably supporting said members on said strap, that part of the strap extending from the first named member being adapted to be placed in said open ring and to cooperate with the separate side members thereof, the first named member being provided with a concave recess in connection with which the closed side of said ring operates, and the end walls of said ring being curved in cross section.

5. A device of the class described comprising two cooperating members, one of said members having an aperture through which a loop portion of a strap is adapted to pass, the other member comprising an open ring, the closed side of which is adapted to be arranged within the loop of said strap with the free end portions of said ring arranged outwardly of said loop in adjustably supporting said members on said strap, that part of the strap extending from the first named member being adapted to be placed in said open ring and to cooperate with the separate side members thereof, the first named member being provided with a concave recess in connection with which the closed side of said ring operates, and the end walls of said ring being curved in cross section, said first named member having an attaching plate portion.

6. A device of the class described comprising two cooperating members, one of said members having an elongated closed aperture through which a loop portion of a strap is adapted to pass, and the other member having an elongated aperture opening through one side of said member and forming at said side, oppositely disposed and inwardly directed arms, and the closed side of the second named member being adapted to be arranged within the loop of said strap.

7. A device of the class described comprising two cooperating members, one of said members having an elongated closed aperture through which a loop portion of a strap is adapted to pass and the other member having an elongated aperture opening through one side of said member and forming at said side, oppositely disposed and inwardly directed arms, the closed side of the second named member being adapted to be arranged within the loop of said strap and the arms of the second named member cooperating with the strap extending from the first named member to aid in locking said members on said strap in different positions of adjustment.

8. A device of the class described comprising two cooperating members, one of said members having an elongated closed aperture through which a loop portion of a strap is adapted to pass and the other member having an elongated aperture opening through one side of said member and forming at said side, oppositely disposed and inwardly directed arms, the closed side of the second named member being adapted to be arranged within the loop of said strap, the arms of the second named member cooperating with the strap extending from the first named member to aid in locking said members on said strap in different positions of adjustment, and the first named member having an attaching plate portion.

9. A device of the class described adapted to be coupled with a strap intermediate the end portions thereof and comprising a member through which a looped portion of the strap is passed, and another member one side of which is passed through the loop in said strap to arrange said side of said member within said loop and the opposite side outwardly with respect thereto and cooperating with the first named member when pull is exerted upon one end of the strap to lock both ends of the strap against movement relatively to said members.

10. A device of the class described adapted to be coupled with a strap intermediate the end portions thereof and comprising a member through which a looped portion of the strap is passed, and another member one side of which is passed through the loop in said strap to arrange said side of said member within said loop and the opposite side outwardly with respect thereto and cooperating with the first named member when pull is exerted upon one end of the strap to lock both ends of the strap against movement relatively to said members, and the outer side portion of the second named member cooperating with the strap extending from the first named member.

11. A device of the class described adapted to be coupled with a strap intermediate the end portions thereof and comprising a member through which a looped portion of the strap is passed, and another member one side of which is passed through the loop in said strap to arrange said side of said member within said loop and the opposite side outwardly with respect thereto and cooperating with the first named member when pull is exerted upon one end of the strap to lock both ends of the strap against movement relatively to said members, and said first named member including an attaching plate portion.

12. A device of the class described adapted to be coupled with a strap intermediate the end portions thereof and comprising a member through which a looped portion of the

strap is passed, and another member one side of which is passed through the loop in said strap to arrange said side of said member within said loop and the opposite side outwardly with respect thereto and cooperating with the first named member when pull is exerted upon one end of the strap to lock both ends of the strap against movement relatively to said members, and the first named member having a longitudinal recess in connection with which that side portion of the second named member arranged within the loop of said strap is adapted to operate to wedge and lock the strap against movement relatively to said members.

13. A device of the class described adapted to be coupled with a strap intermediate the end portions thereof and comprising a member through which a looped portion of the strap is passed, and another member one side of which is passed through the loop in said strap to arrange said side of said member within said loop and the opposite side outwardly with respect thereto and cooperating with the first named member when pull is exerted upon one end of the strap to lock both ends of the strap against movement relatively to said members, the first named member having a longitudinal recess in connection with which that side portion of the second named member arranged within the loop of said strap is adapted to operate to wedge and lock the strap against movement relatively to said members and the second named member being arc-shaped in cross sectional form.

14. A device of the class described adapted to be coupled with a strap intermediate the end portions thereof and comprising a member through which a looped portion of the strap is passed, and another member one side of which is passed through the loop in said strap to arrange said side of said member within said loop and the opposite side outwardly with respect thereto and cooperating with the first named member when pull is exerted upon one end of the strap to lock both ends of the strap against movement relatively to said members, the first named member having a longitudinal recess in connection with which that side portion of the second named member arranged within the loop of said strap is adapted to operate to wedge and lock the strap against movement relatively to said members, the second named member being arc-shaped in cross sectional form, and the first named member including a projecting attaching plate portion having an aperture therein.

In testimony that I claim the foregoing as my invention I have signed my name this 8th day of October, 1928.

DAVIS MARINSKY.