G. NORMAN.

CLASP.

APPLICATION FILED JULY 25, 1919.

1,410,950. Patented Mar. 28, 1922.

Fig. 1.

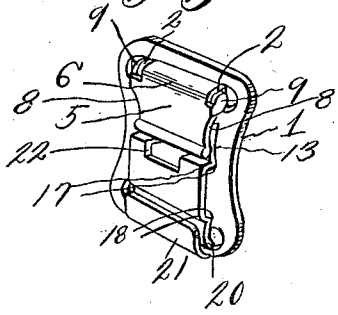


Fig. 2.

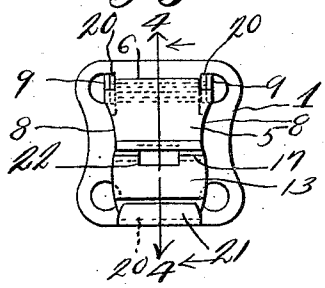
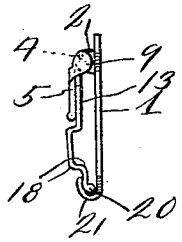


Fig. 3.



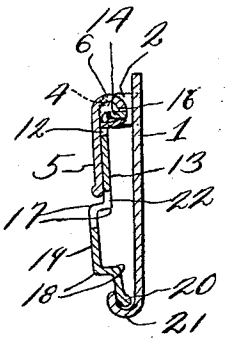


Fig. 4.

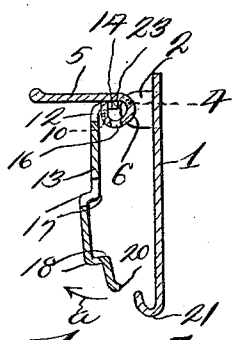
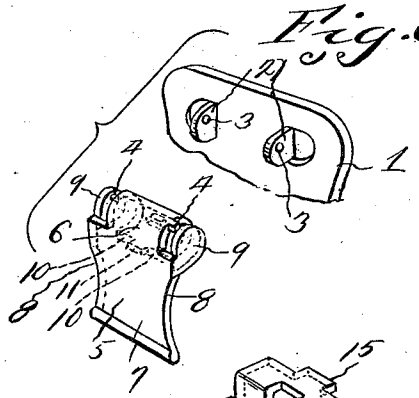


Fig. 5.

Fig. 6.



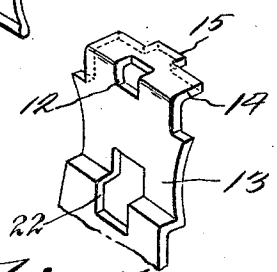


Fig. 7.

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UNITED STATES PATENT OFFICE.

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CLASP.

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To all whom it may concern:

Be it known that I, GUSTAV NORMAN, a citizen of the United States, residing at Aberdeen, in the county of Chehalis, State of Washington, have invented a new and useful Clasp; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention relates to clasps and has for its object to provide a clasp which may be attached in any suitable manner to a garment, and so constructed that the pivoted members thereof may be easily and quickly positioned so as to clasp a stocking or other article to be supported.

A further object is to form the clasp in such a manner that the finger operated member when pivoted to release the fabric or article held in the end of the clasp will raise the clamping jaw which is carried by said finger operated member, then when the finger operated member reaches a certain point, said clamping jaw will be pivoted outwardly at its lower end by the extreme movement of the finger engaging member.

With the above and other objects in view the invention resides in the combination and arrangement of parts as hereinafter set forth, shown in the drawings and claimed, it being understood that changes in the precise embodiment of the invention may be made within the scope of what is claimed without departing from the spirit of the invention.

In the drawings:—

Figure 1 is a perspective view of the clasp showing the same in a closed position.

Figure 2 is a front elevation of the clasp showing the same in closed position.

Figure 3 is a side elevation of the clasp.

Figure 4 is a vertical sectional view taken on line 4—4 of Figure 2.

Figure 5 is a vertical sectional view showing the parts in open position.

Figure 6 is a collective perspective view of the upper end of the base plate and the finger engaging member.

Figure 7 is a perspective detail view of the pivoted end of the clamping member.

Referring to the drawings the numeral 1 designates a base plate, said base plate having ears 2 perferably stamped from the base plate 1, which ears are provided with apertures 3 for the reception of lugs 4 of the finger engaging plate 5. Lugs 4 are formed integral with the edge of the roll 6, and extending downwardly from said roll 6 is the finger engaging portion 7 of the member 5. The edges 8 of the member 5 are provided with ears 9, which ears overlie the lugs 4 and the ends of the roll 6 and perform the function of maintaining and preventing the springing of the lugs 4 out of engagement with apertures 3, of the ears 2. The portion of the member 5 forming the roll 6 is cut away as at 10 thereby forming a lug 11, which lug passes through aperture 12 in the clamping plate 13. Clamping plate 13 is provided with a right angle clamping portion 14 which projects into the interior of the roll 6 and is provided on its outer edge with a lug 15 which registers with an aperture 16 in the bottom of the roll 6, said aperture allowing the right angle portion 14 to be wider than would otherwise be possible. Clamping member 13 extends downwardly and is bent as at 17 and 18, so as to form an offset portion 19, which portion 19 allows spring action in said clamping member, when the end 20 thereof is forced downwardly for clamping a piece of material between the end 20 and the interior of the hook 21 carried by the base plate 1. The clamping plate 13 is provided with an aperture 22, by means of which aperture the finger may be inserted or an instrument inserted under the end of the finger engaging member 5.

When it is desired to release the clamp the finger is placed under the member 5 and the same moved upward on its pivotal point, which action will raise the clamping member 13 until it assumes position as shown in Figure 5, during this raising action it will be noted that the clamping member 13 will be moved outwardly from the base plate 1, however a further movement in the upward direction of the free end of the member 5 will cause the right angle portion 14 of the clamping member 13 to engage the under face of the member 5 within the roll as shown at 23 in Figure 5. The under surfaces of the right angle portion 14 being in engagement with the shoulders formed by the cutaway portions 10, said cutaway portions will, when the member 5 is moved upwardly cause the lower end of the pivoted member 13 to move outwardly in the direction of the arrow *a*, Figure 5, thereby allowing the necessary room for placing the fabric

of the article to be supported within the hooked end 21. The pivotal point between the members 5 and 13 is a loose one thereby allowing the free movement of the pivoted parts without binding.

The invention having been set forth what is claimed as new and useful is:—

In a device of the character described comprising a base having a hook at one end thereof, oppositely disposed ears at the other end thereof, a finger engaging member pivoted between said ears, said finger engaging member at its pivoted end being provided with a roll disposed between the ears of the base, integral lugs carried at opposite ends of the roll and engaging in apertures of the base carried ears, integral ears carried by the finger engaging member adjacent its roll and overlying the outer faces of the ears carried by the base plate and spaced from the ends of the roll and forming means for preventing displacement of the integral lugs carried by the roll in relation to the base carried ears, the roll of the finger engaging member terminating in a lug engaging the rear face of said member, a clamping member having its upper end provided with a right angle portion, said right angle portion being pivoted and extending into the roll of the finger engaging member at a point adjacent the rear face thereof, the lower end of the clamping member being adapted to engage the hook of the base member when the finger engaging member is forced downwardly for clamping material between the base hook and the clamping members.

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

GUSTAV NORMAN.

Witnesses:
ALICE MEYER,
FRANK L. LEONARD.