Oct. 29, 1935. A. S. BECKER 2,018,652

STOCKING SUPPORTING CLASP

Filed April 30, 1934

Fig. 1.

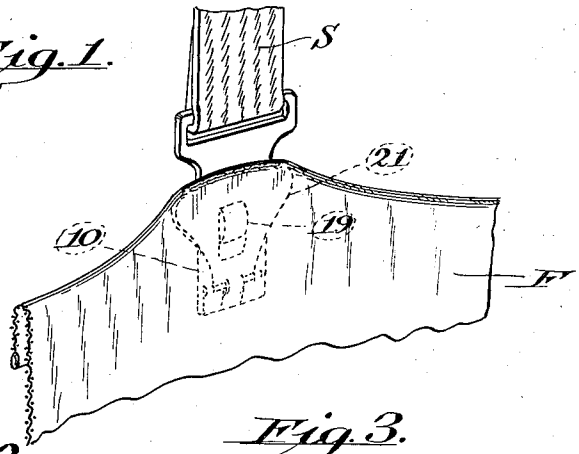


Fig. 2.

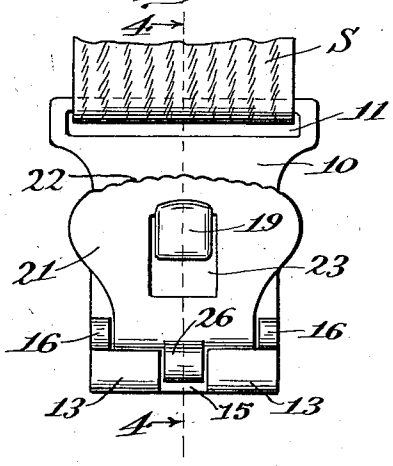


Fig. 3.

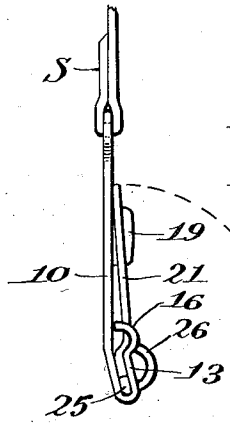


Fig. 4.

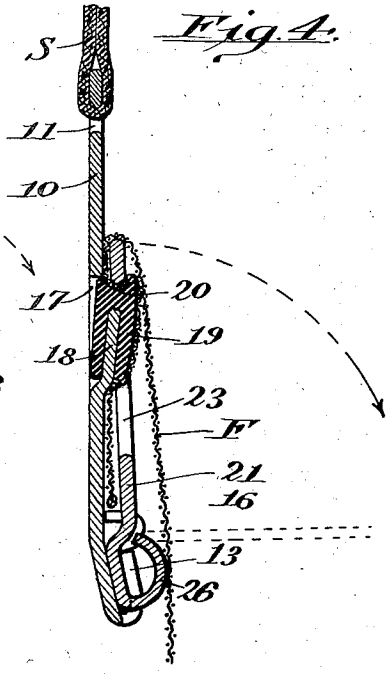


Fig. 5.

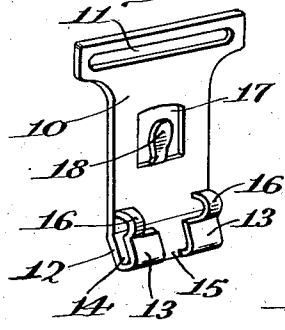


Fig. 6.

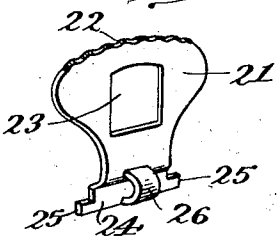
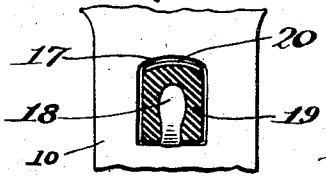


Fig. 7.



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STOCKING SUPPORTING CLASP

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Application April 30, 1934, Serial No. 723,200

14 Claims. (Cl. 24—247)

My invention relates to a stocking supporting clasp and has for its principal objects, to generally improve upon and simplify the construction of the existing forms of similar devices and to provide a stocking supporter clasp that is relatively simple in construction, inexpensive of manufacture and which is highly effective in performing the functions for which it is intended.

A further object of my invention is, to provide a clasp of the character referred to having a plate that is mounted for both sliding and pivotal movement upon the main body plate of the clasp and which swinging plate is effective in clamping the stocking fabric to the main body plate and being held in such clamping engagement by the downward pull of the stocking fabric upon said swinging plate and the lower portion of the latter being connected to the main plate so as to cause the upper portion of the swinging plate to press the interposed stocking fabric against the main plate at all times while the device is in service.

A further object of my invention is, to provide simple and effective means whereby a portion of the stocking fabric that is engaged by the clasp is firmly gripped and held between the swinging plate of the device and a stud or button of rubber or analogous material that is carried by the main body plate of the clasp.

A still further object of my invention is, to provide simple means whereby the swinging plate of the clasp may be easily and conveniently swung away from the main plate so as to permit disengagement of the stocking fabric from the clasp.

With the foregoing and other objects in view my invention consists in certain novel features of construction and arrangements of parts that will be hereinafter more fully described and claimed and illustrated in the accompanying drawing in which:

Fig. 1 is a perspective view showing my improved clasp in engagement with the upper edge of a stocking.

Fig. 2 is a front elevational view of the clasp.

Fig. 3 is an edge view of the clasp.

Fig. 4 is an enlarged vertical section taken on the line 4—4 of Fig. 2 and showing the stocking fabric engaged by the clasp.

Fig. 5 is a perspective view of the main body plate of the clasp.

Fig. 6 is a perspective view of the swinging plate.

Fig. 7 is a detail view partly in section and showing the means employed for mounting the rubber stud or button on the main body plate of the clasp.

Referring by numerals to the accompanying drawing which illustrates a preferred embodiment of my invention, 10 designates a substantially rectangular plate, preferably formed of metal and in the upper portion of said plate is formed a horizontally disposed slot 11 that receives the strap or webbing S of the conventional garter support.

A transversely disposed portion 12 of plate 10 near its lower end is bent forwardly so as to occupy an inclined position of approximately eight or ten degrees with respect to the vertical plane occupied by plate 10 and the end of the plate below this inclined portion is bent upward to form a transversely disposed wall or flange 13 that occupies an inclined plane parallel with the inclined wall portion 12.

The parallel inclined parts 12 and 13 are spaced slightly apart to form a transversely disposed inclined slot 14.

The central portion of the inclined wall 13 is cut away to form a substantially rectangular notch 15.

Projecting upwardly and rearwardly toward the plate 10 from the upper edges of the end portions of wall 13, are curved ears 16, the rear ends of which bear directly against plate 10.

Formed in the central portion of plate 10, is an opening 17 and projecting upwardly from the lower edge of this opening, is a centrally arranged tongue or finger 18, the upper portion of which is slightly wider than the lower portion. This tongue or finger is slightly inclined forwardly from the plane occupied by the main body of the plate.

Mounted on the tongue or finger 18, is a substantially rectangular stud or button 19, the rear portion of which occupies the opening 17 in plate 10 and the upper edge of this stud or button is convexly curved lengthwise and provided with a groove 20.

This stud or button is positioned so that the groove 20 is positioned directly in front of the front face of plate 10.

After the stud or button has been pressed downwardly into proper position upon the tongue or finger 18, the increased width of the upper portion of said tongue or finger firmly retains the stud or button thereon.

The pivoted or swinging member of my improved clasp comprises a plate 21 having a substantially oval shaped upper portion and the upper edge of the latter is slightly corrugated as

designated by 22 in order to enhance the degree of frictional contact between the stocking fabric and the upper edge of said plate.

Formed in plate 21 is a substantially rectangular opening 23 that is slightly wider and somewhat longer than stud or button 19.

The lower transverse portion 24 of plate 21 is bent so that it is slightly offset rearwardly with respect to the plane occupied by the main body of said plate and projecting outwardly from the lower portions of the ends of this rearwardly offset portion 24, are pintles 25 that are substantially rectangular in cross section and the width of which is such that they will slide freely through the inclined slot 14.

When plate 21 is properly applied to the main plate 10, the offset rear portion 24 is arranged for sliding movement in that portion of the inclined slot 14 between and below the ears 16 with the non-circular pintles 25 occupying the end portions of slot 14 or those portions below said ears 16.

A narrow strip of metal that projects from the central portion of the lower edge of plate 21 is bent forwardly and thence upwardly to form a rounded knob or projection 26, which when the two plates are properly assembled occupies the notch 15 in wall or flange 13.

In the use of my improved clasp upward pressure against the knob or projection 26 will cause plate 21 to slide upwardly on the front of plate 10 and in so doing the pintles 25 will slide upwardly through the end portions of the inclined slot 14 until said pintles are positioned behind the ears 16 and when so positioned the pintles may readily rotate behind said ears.

Thus when plate 21 is elevated, it may be swung outward away from plate 10, as illustrated by dotted lines in Fig. 4 and the stocking fabric adjacent to the edge is now laid over the upper surface of the outwardly swung plate 21 with the edge of said stocking fabric extending across the front of plate 10 immediately adjacent to the ears 16.

Plate 21 is now swung upward against plate 10, during which movement the pintles 25 rotate behind the ears 16 and when the swinging plate reaches its upward limit of movement, the stud 19 with the stocking fabric overlying same, projects through opening 23.

Downward pressure is now applied to knob or projection 26 and as a result plate 21 will be moved downward with the lower portion 24 thereof and pintles 25 moving downward through inclined slot 14.

As a result of the movement of the lower portion of plate 21 downwardly through the inclined slot 14, the upper portion of the pivoted plate will be forced with considerable pressure against the front face of plate 10 so as to firmly grip that portion of the stocking fabric that is interposed between the two plates and as the swinging plate reaches its downward limit of movement, the upper edge of the opening 23 will pass into groove 20 in the upper edge of stud or button 19, thereby firmly gripping from above, the interposed stocking fabric.

In Fig. 4 I have illustrated the stocking fabric F engaged by and between the two plates of the clasp.

As long as the inclined lower portion 24 and pintles 25 occupy the inclined slot 14, it is impossible for plate 21 to swing away from plate 10 and thus the two parts are firmly held in gripping engagement with the stocking fabric that is interposed between said plates, such gripping engagement being enhanced and maintained by the downward pull of the stocking fabric upon the upper edge of plate 21, which presses that portion of the plate immediately above opening 23 into the groove 20 in stud or button 19 and which groove is occupied by a portion of the stocking fabric.

To disengage the clasp from the stocking fabric, it is only necessary to exert upward pressure on the knob or projection 26 so as to move the hinged plate upwardly until the pintles 25 are positioned behind the ears 16 and when so positioned the plate is free to swing outwardly and downwardly away from plate 10, as illustrated by dotted lines in Fig. 4, thereby permitting the clasp to be readily removed from the stocking fabric.

Thus it will be seen that I have provided a stocking supporter clasp that is relatively simple in construction, inexpensive of manufacture and very effective in gripping the engaged stocking.

An especially desirable feature of my invention is, the construction whereby the pull of the stocking upon the hinged plate tends to force the parts of the device into closer gripping engagement with the stocking fabric and the hinged plate cannot be released in order to disengage the clasp from the stocking until said plate has been elevated to such a position as that it may swing outward away from the main body plate.

It will be understood that minor changes in the size, form and construction of the various parts of my improved stocking supporter clasp may be made and substituted for those herein shown and described without departing from the spirit of my invention, the scope of which is set forth in the appended claims.

I claim as my invention:

1. A stocking supporter clasp, comprising a plate provided at its lower end with a transversely disposed inclined slot spaced bearings at the upper end of said slot and a stocking fabric engaging plate having its lower portion mounted for vertical sliding movement in said inclined slot and for pivotal movement in said bearings.

2. A stocking supporter clasp, comprising a plate provided at its lower end with a transversely disposed inclined slot, a stocking fabric engaging plate having its lower portion mounted for vertical sliding movement in said inclined slot, a stud projecting from the front face of said first mentioned plate and said second mentioned plate having an opening for the reception of said stud.

3. A stocking supporter clasp, comprising a plate provided at its lower end with a transversely disposed inclined slot, a stocking fabric engaging plate having its lower portion mounted for vertical sliding movement in said inclined slot, a stud projecting from the front face of said first mentioned plate, said second mentioned plate having an opening for the reception of said stud and the upper edge of which stud is provided with a groove for the reception of that portion of the sliding plate immediately above the opening therein.

4. A stocking supporter clasp, comprising a plate, provided at its lower end with a transversely arranged vertically inclined slot, bearings carried by said plate and located above the ends of said inclined slot, a stocking fabric engaging plate having its lower portion mounted for sliding movement in said slot and pintles projecting from the lower portions of the sides of said sliding plate for engagement in said bearings when

said sliding plate is at its upper limit of movement.

5. A stocking supporter clasp, comprising a plate, provided at its lower end with a transversely arranged vertically inclined slot, bearings carried by said plate and located above the ends of said inclined slot, a stocking fabric engaging plate having its lower portion mounted for sliding movement in said slot, pintles projecting from the lower portions of the sides of said sliding plate for engagement in said bearings when said sliding plate is at its upper limit of movement, a stud projecting forwardly from the first mentioned plate and said sliding plate having an opening for the reception of said stud.

6. A stocking supporter clasp, comprising a plate, provided at its lower end with a transversely arranged vertically inclined slot, bearings carried by said plate and located above the ends of said inclined slot, a stocking fabric engaging plate having its lower portion mounted for sliding movement in said slot, pintles projecting from the lower portions of the sides of said sliding plate for engagement in said bearings when said sliding plate is at its upper limit of movement, a stud projecting forwardly from the first mentioned plate, said sliding plate having an opening for the reception of said stud and the upper edge of which stud is provided with a groove for the reception of that portion of the sliding plate immediately above the opening therein.

7. A stocking supporter clasp, comprising a plate provided at its lower end with a transversely arranged vertically inclined slot, bearings carried by said plate and located above the ends of said inclined slot, a stocking fabric engaging plate having its lower portion mounted for sliding movement in said slot, pintles projecting from the lower portions of the sides of said sliding plate for engagement in said bearings when said sliding plate is at its upper limit of movement, a stud projecting forwardly from the first mentioned plate, said sliding plate having an opening for the reception of said stud and a knob projecting forwardly from the lower portion of said sliding plate.

8. In a stocking supporter clasp, a plate provided with an opening, a tongue projecting upwardly from the lower edge of said opening, a stud removably positioned on said tongue and means mounted for sliding and pivotal movement on said plate for clamping a fabric that is interposed between said plate and sliding means, upon said stud.

9. In a stocking supporter clasp, a plate provided with an opening, a tongue projecting upwardly from the lower edge of said opening, a stud provided with an opening for the reception of said tongue and means mounted for sliding and pivotal movement on said plate for clamping a fabric that is interposed between said plate and sliding means, upon said stud.

10. In a stocking supporter clasp, a pair of plates, a slidable and pivotal connection between the lower portions of said plates whereby one plate is mounted for sliding and swinging movement upon the other and the upper edge of said sliding plate being crown shape lengthwise for engaging and supporting the stocking to which the clasp is applied.

11. In a stocking supporter clasp, a base plate, a plate arranged in front of said base plate, a slidable and pivotal connection between the lower portions of said plates, a stud projecting from the base plate and the sliding plate having an opening for the reception of said stud when said sliding plate is closed against the base plate.

12. A stocking supporter clasp, comprising a plate, provided at its lower end with a transversely arranged vertically inclined slot, spaced bearings formed on said plate and located above the ends of said inclined slot, a stocking fabric engaging plate having the lower portion mounted for sliding movement in said slot, pintles projecting from the lower portions of the sides of said sliding plate for engagement in said bearings when said sliding plate is at its upper limit of movement, a stud projecting forwardly from the first mentioned plate, said sliding plate having an opening for the reception of said stud, the upper edge of which stud is provided with a groove for the reception of that portion of the sliding plate immediately above the opening therein and a knob projecting forwardly from the lower portion of said sliding plate.

13. In a stocking supporter clasp, a pair of plates, a slidable and pivotal connection between the lower portions of said plates to permit one plate to slide vertically upon and to swing outwardly away from the other plate, the slidable portion of which connection is slightly inclined with respect to the planes occupied by the bodies of said plates so as to cause the upper portion of the sliding plate to press against the other plate as said sliding plate moves downward to its limit of movement, a stud projecting forwardly from one of said plates and the other plate having an opening for the reception of said stud.

14. In a stocking supporter clasp, a plate provided on its lower front portion with slots that are inclined with respect to the plane occupied by the body of the plate, bearings at the upper ends of said inclined slots, a second plate, pintles projecting from the lower portion of said second mentioned plate, which pintles are mounted for sliding movement in the slots in the first mentioned plate and for rotary movement in said bearings, a stud projecting forwardly from the first mentioned plate and the second mentioned plate having an opening for the reception of said stud.

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