April 14, 1931. A. E. WALLER 1,801,128

FINDING FOR CLASPS

Filed Sept. 8, 1930

Fig. 1.

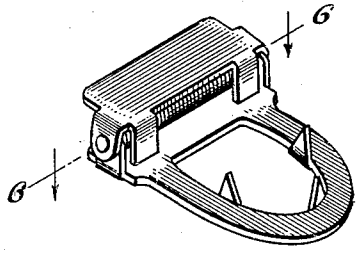


Fig. 2.

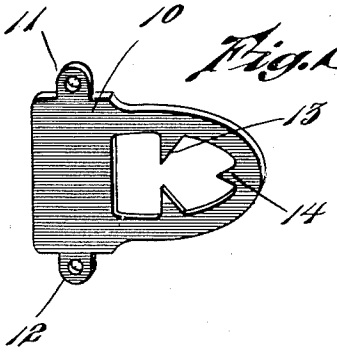


Fig. 3.

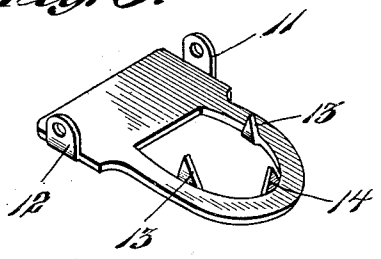


Fig. 4.

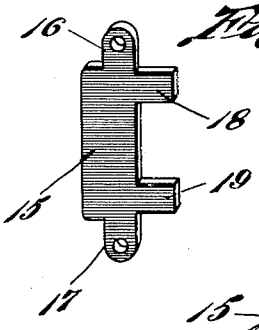
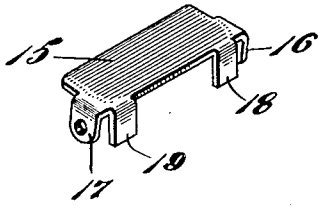


Fig. 5.



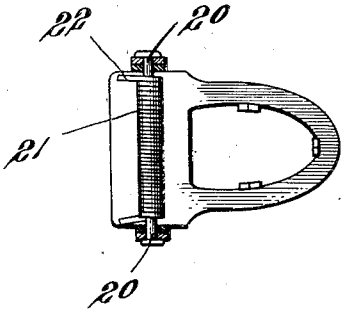


Fig. 6.

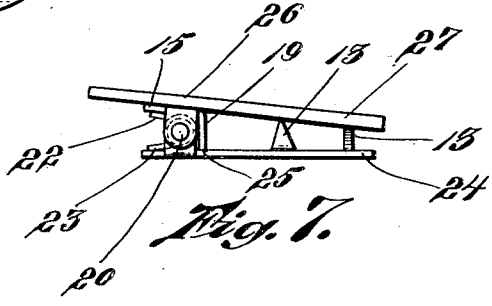


Fig. 7.

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UNITED STATES PATENT OFFICE

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FINDING FOR CLASPS

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This invention relates to a finding for a clasp, and has for its object to provide a construction which may be completed by the mounting of an ornamental member thereon and which is complete within itself except for the provision of such ornamental member, the ornamental member functioning in the performance of the device.

A further object of this invention is the provision of a construction having a portion adapted to receive an ornamental member, the said portion being under spring pressure to act in the functioning of the device with means for limiting the movement of the receiving portion so as to locate it substantially in the desired position which it will assume when rigidly secured to the ornamental member.

With these and other objects and advantageous features in view, the invention consists of a novel arrangement of parts more fully disclosed in the detailed description following, in conjunction with the accompanying drawings, and more particularly set forth in the appended claims.

In the drawings:

Fig. 1 is a perspective view of the finding complete and ready to have an ornamental member mounted thereon;

Fig. 2 is a perspective view of a jaw member cut from sheet stock;

Fig. 3 is a perspective view of this jaw member with portions bent into desired position;

Fig. 4 is a perspective view of the mounting member cut from sheet stock;

Fig. 5 is a perspective view of the mounting member with portions bent into finished form;

Fig. 6 is a section on line 6—6 of Figure 1;

Fig. 7 is a side elevation of the finding with the ornamental member mounted thereon.

In the use of clasps such as tie clasps and the like, it is desirable to provide an ornamental face for the same, and it is common to have this ornamental member provided with pivot ears or the like by separately securing the same to the ornamental member and then assembling the ornamental member with the back jaw of the clasp by a suitable pivot pin and spring means; or the ornamental member may be soldered upon a tie clasp otherwise complete as a supplemental member and serving merely for ornamental purposes without functioning in the operation of the device whatsoever; and in order that a simplified form of such usual constructions may be made, I have provided a mounting member of small area upon the back jaw, the same being such as to just cover the pivot pin and spring, and in order that this mounting member may be maintained in substantially the desired position, which will be convenient for mounting the ornament thereon, I have provided stops to limit the relative movement of this mounting member and the back jaw member, thus providing a finding of the minimum amount of stock and yet one on which the ornamental member may be soldered or otherwise secured, the ornamental member functioning as one of the jaws of the device when in use, thus eliminating a thickened or clumsy construction of front jaw member; and the following is a detailed description of the present embodiment of this invention, illustrating the preferred means by which these advantageous results may be accomplished.

With reference to the drawings, 10 designates the jaw member of the finding which serves as the back jaw of the completed clasp. Ears 11 and 12 and teeth or spurs 13 and 14 are formed on this jaw and are bent to position the ears and teeth at right angles to the body of the jaw as illustrated in Figure 3. The mounting member 15 is provided with ears 16 and 17 and stops or fingers 18 and 19 which are bent from the blanked form shown in Figure 4 to the positions illustrated in Figure 5 substantially at right angles to the body of this mounting member.

The openings in the ears 16 and 17 are positioned to align with the openings in the ears 11 and 12, and a pivot pin 20 extends therethrough to pivotally mount the jaw member and mounting member together. A helical spring 21 is mounted on the pin 20 with one of its ends 22 extending to engage the mounting member 15, as illustrated in Figure 7, while its other end 23 is extended

to engage the jaw member and tends to swing the mounting member 15 about the pivot pin 20 toward the free end 24 of the jaw member, which movement is limited by the spaced fingers or stops 18 and 19 engaging as at 25 with the jaw member to limit this movement.

It will be noted that the mounting member is small in area and just covers the spring and mounting means as will be apparent from Figures 1 and 7, and that the top surface of this mounting member is inclined when the stops 18 and 19 engage, as at 25, the jaw member so that when the ornamental face plate or jaw 26 is mounted upon this mounting member, either by solder or suitable rigid or detachable mounting means, the same will be in a position to cause its free end 27 to substantially engage the spur 14 and its intermediate portions engage the spurs 13, whereby material such as a hat, a tie and shirt, a dress or other suitable articles of personal wear may be gripped between the ornamental jaw 26 and the jaw member 10 to securely attach the clasp thereto, the spurs acting to bite into the fabric to obtain a better frictional engagement thereon where desired.

While I have described certain construction forms which embody the principles of my invention, it is obvious that other desired changes in arrangement may be made within the spirit and the scope of the invention as defined in the appended claims.

I claim:

1. A finding for a clasp comprising a jaw member having ears thereon, a mounting member having ears thereon for receiving the other jaw member of the clasp, a pivot pin extending through said ears to pivotally connect said members, a spring about said pin acting between said members to swing the mounting member toward the gripping end of said jaw member, and stop means on said mounting member spaced from the gripping portion of the jaw member and adjacent said ears for limiting the swinging movement of said mounting member about said pivot pin.

2. A finding for a clasp comprising a jaw member having ears thereon, a mounting member having ears thereon for receiving the other jaw member of the clasp, a pivot pin extending through said ears to pivotally connect said members, a spring about said pin acting between said members to swing the mounting member toward the gripping end of said jaw member, and stop fingers on one of said members spaced from the gripping portion of the jaw member and adjacent said ears for engaging the other member to limit the relative movement of said members about said pivot pin.

3. A finding for a clasp comprising a jaw member having ears thereon, a mounting member having ears thereon for receiving the other jaw member of the clasp, a pivot pin extending through said ears to pivotally connect said members, a spring about said pin acting between said members to swing the mounting member toward the gripping end of said jaw member, and a stop finger on said mounting member spaced from the gripping portion of the jaw member and adjacent said ears for engaging the jaw member to limit the relative movement of said members about said pivot pin.

4. A finding for a clasp comprising a jaw member having ears thereon, a mounting member having ears thereon for receiving the other jaw member of the clasp, a pivot pin extending through said ears to pivotally connect said members, a spring about said pin acting between said members to swing the mounting member toward the gripping end of said jaw member, and a pair of spaced stop fingers on said mounting member spaced from the gripping portion of the jaw member and adjacent said ears for engaging the jaw member to limit the relative movement of said members about said pivot pin.

5. A clasp comprising a pair of jaw members, a mounting member secured in fixed relation to one jaw member, means for pivoting the mounting member and the other jaw member together, and a stop member on the mounting member spaced from the gripping portions of the jaw members to engage the other jaw member to limit its movement toward the said other jaw member.

6. A finding for a clasp comprising a jaw member having a work engaging portion, a mounting member for receiving the other jaw member of the clasp and pivotally mounted on the first said jaw member at a point substantially spaced from said work engaging portion, resilient means for relatively moving said members toward each other, and stop means on one of said members spaced from the work engaging portion of said jaw member and held continually in position for engaging the other member for limiting the relative movement of said members.

7. A finding for a clasp comprising a jaw member, a mounting member pivoted thereon for receiving the other jaw member of the clasp, resilient means for relatively moving said members toward each other, and stop means on one of said members spaced from the gripping portion of the jaw member and between said gripping portion and pivotal mounting and adjacent said pivotal mounting, said stop means being held continually in position for engaging the other member for limiting the relative movement of said members.

8. A finding for a clasp comprising a jaw member having a work engaging portion, a mounting member for receiving the other jaw member of the clasp and pivotally mounted on the first said jaw member at a point sub-

stantially spaced from said work engaging portion, resilient means for relatively moving said members about said pivotal mounting toward each other and stop fingers rigidly secured to one of said members and spaced from the work engaging portion of the jaw member for engaging the other member to limit the relative movement of said members about the pivotal mounting.

9. A finding for a clasp comprising a jaw member, a mounting member pivoted thereon for receiving the other jaw member of the clasp, resilient means for relatively moving said members about said pivot toward each other, and stop means rigidly secured to one of said members and spaced from the gripping portion of the jaw member and between the gripping portion of said jaw member and pivotal mounting and adjacent the pivotal mounting of said member for engaging the other member to limit the relative movement of said members about the pivotal mounting.

10. A finding for a clasp comprising a jaw member having a work engaging portion, a mounting member of a length less than half the length of the jaw member for receiving another jaw member of the clasp and hingedly mounted on the first said jaw member at a point substantially spaced from said work engaging portion, resilient means for relatively moving said members toward each other, and stop means rigidly secured to one of said members and spaced from the work engaging portion of said jaw member for engaging the other member for limiting the relative movement of said members.

11. A finding for a clasp comprising a jaw member, a mounting member pivoted thereon for receiving the other jaw member of the clasp, resilient means for relatively moving portions of said members toward each other, and stop means on the portion of one of said members which moves toward the other and spaced from the work engaging portion of said jaw member and between said engaging portion and the pivotal mounting for engaging the other member for limiting the relative movement of said members.

12. A finding for a clasp comprising a jaw member, a mounting member pivoted thereon for receiving the other jaw member of the clasp, stop means on one of said members spaced from the work engaging portion of said jaw member and between said engaging portion and pivotal mounting for engaging the other member for limiting the relative movement of said members, and resilient means for relatively moving said members toward each other to cause said stop means to limit the movement of said members.

13. A finding for a clasp comprising a jaw member having a work engaging portion at one end, a mounting member for receiving the other jaw member of the clasp pivotally mounted on the first said jaw member, adjacent the other end thereof, a spring at said pivotal mounting for relatively moving said members toward each other, and stop means integral with one of said members spaced from the gripping portion of the jaw member and adjacent said pivotal mounting for engaging the other of said members for limiting the relative movement of said members.

14. A finding for a clasp comprising a jaw member, a mounting member for receiving the other jaw member of the clasp, means including a pivot pin for pivotally securing said members together, a spring about said pivot pin for relatively moving said members to cause portions of the members to move toward each other, and stop fingers bent from the stock of one of said members and on the portion thereof movable toward the other member and spaced from the gripping portion of the jaw member and adjacent said pivot pin for engaging the other member to limit the relative movement of said members about the pivot pin.

In testimony whereof I affix my signature.

ANTHONY E. WALLER.