July 15, 1924. 1,501,867

L. E. SADLER

BRACELET CATCH

Filed June 21, 1923

Fig. 1.

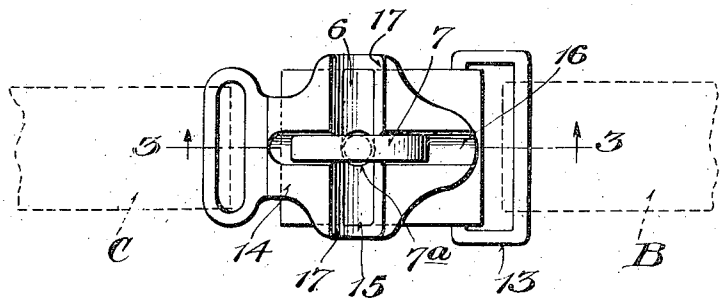


Fig. 2.

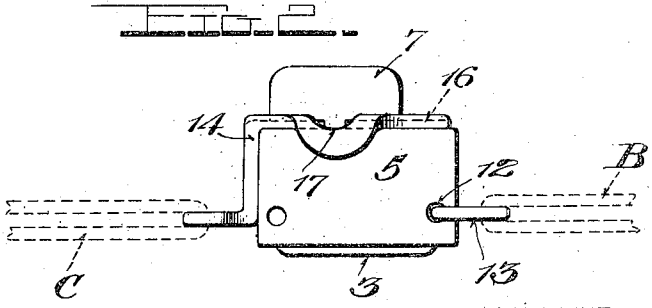


Fig. 4.

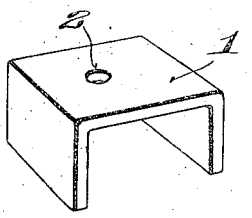


Fig. 3.

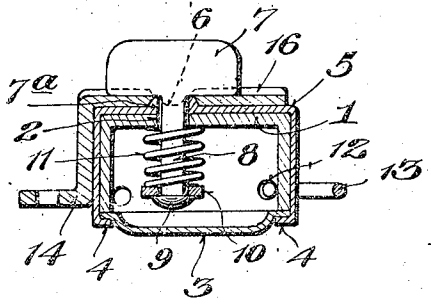
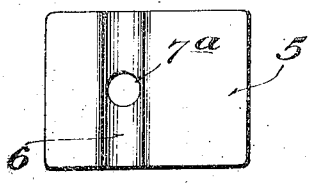


Fig. 5.



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Patented July 15, 1924. 1,501,867

UNITED STATES PATENT OFFICE.

LOUIS E. SADLER, OF ATTLEBORO, MASSACHUSETTS, ASSIGNOR TO THE F. H. SADLER COMPANY, OF ATTLEBORO, MASSACHUSETTS.

BRACELET CATCH.

Application filed June 21, 1923. Serial No. 646,783.

To all whom it may concern:

Be it known that I, LOUIS E. SADLER, a citizen of the United States, residing at Attleboro, in the county of Bristol and State of Massachusetts, have invented new and useful Improvements in Bracelet Catches, of which the following is a specification.

This invention relates to certain new and useful improvements in bracelet catches and the primary object thereof is to provide a catch which can be easily and quickly operated and which is also effective in use, and wherein a clip is employed which is connected to one end of the bracelet and which is latched directly to the housing of the catch structure.

A further object of the invention is to provide a structure which is formed and assembled without the use of solder.

A still further object of the invention is to provide a latch structure in which the clip engages one of the walls as well as the top of the housing, so as to thus be effectively secured in position and to also enable a large clip to be employed with correspondingly greater anchorage.

In the drawings:—

Figure 1 is a top plan view of the invention;

Figure 2, is a side elevation;

Figure 3, is a section on line 3—3 of Figure 1;

Figure 4, is a detail perspective view of the inner side and top forming member of the housing, and

Figure 5, is a top plan view of the outer side and top forming member of the housing.

In proceeding in accordance with the present invention, an inner member is employed which is of inverted U-shape and which has an aperture 2 in its top. A bottom plate 3 seats against the bottom edges of the legs or sides of member 1 and is held thereagainst by the inturned edge 4 at the open bottom of an outer box-like member 5. The member 5 has its top formed with a transverse channel or groove 6 and with an aperture 7^a, the latter located in the channel 6 and being in register with the aperture 2. The parts 1, 3 and 5 constitute a housing for the latch which latter embodies a rectangular or plate like finger grip 7 having a depending shank or stem 8 which extends through the registering opening 2 and 7^a and is rotatable therein. The shank 8 is headed at 9 for the purpose of supporting one end of a coil spring 11, the latter encircling the shank and at its opposite end bearing against the inner face of the member 1, which latter forms a part of the top of the housing.

The opposite sides of the casing are formed with openings 12 receiving a link 13 to which latter one end B of the bracelet is suitably fastened. The opposite end C of the bracelet is suitably fastened to a clip 14 which engages over an end and the top of the housing and is formed with a slot 15 which registers with the channel 6 and with a right angular groove or channel 16. The sides of the clip are formed with depending ears 17 which engage the sides of the housing and hold the clip against lateral movement relative to the housing.

In operation, the member 7 when in the position of Figures 1 and 3 holds the clip in latched position on the housing. To release the clip, the member 7 is slid or pulled outwardly and then turned at right angles to register with the slot 15, and seat in the channel 6 whereupon the clip may be moved outwardly from the member 7 and disengaged therefrom.

The channel 6 holds the member 7 in position ready for receiving the clip.

The invention is of general use and while particularly designed for bracelet use, it is to be expressly understood that it may be used in all instances in which a catch of this kind may be employed.

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

1. In a bracelet catch, a housing including an inner inverted U-shaped member having an opening in its top, a bottom plate engaged with the bottom edges of said member, an outer box-like member having a top formed with a transverse groove and with an opening in register with said opening of the U-shaped member and having an open bottom, the edges of which are inturned to engage and support said bottom plate, a finger engaging member formed to engage in said groove and having a shank extending through said registering openings and having a coil spring thereon to tension the member, means to connect one end of a bracelet to the housing, and a clip formed for connection to the opposite end of the

bracelet and having a slot through which said finger engaging member is movable and registrable with said first named groove and having a groove at right angles to the slot to receive said finger engaging member to hold the latter onto the housing, the clip having ears at its sides engaging the housing sides to prevent lateral movement of the clip.

2. In combination with a housing having a spring pressed rotatable and slidable latch member, and having a transverse channel, means to connect one end of a bracelet to the housing, a clip of substantially L-shape having means for connection with the opposite end of the bracelet and formed to engage the top and one of the marginal walls of the housing and having a slot through which the latch is movable and a right angular channel to receive the latch, and ears carried by the clip to engage other and opposite marginal walls of the housing to hold the clip against lateral movement.

3. In combination with a substantially rectangular housing and a tensioned rotatable and slidable catch carried thereby, a clip of substantially L-shape engaged on top and with an end of the housing, said clip having ears on its sides engaging the sides of the housing, the part of the clip engaging the end of the housing being provided with means for attachment to one end of a flexible member and the opposite end of the housing being formed for connection with the opposite end of the flexible member.

4. In a bracelet catch, a housing including a member having a top and ends, a bottom plate engaged with the free edges of the ends of the member, a box-like member receiving the first named member on its interior and having an open bottom the edges of which are inturned to secure the bottom plate to the first named member, a slidable tensioned turnbutton carried by the housing, and a clip formed to seat on the top of the box-like member and having parts engaging the walls of the box-like member to prevent turning of the clip relative to the housing, said clip having a slot through which the turnbutton is movable and a groove to receive the turnbutton.

5. In a bracelet catch, a housing including a member having a top and ends, a bottom plate engaged with the free edges of the ends of the member, a box-like member receiving the first named member on its interior and having an open bottom the edges of which are inturned to secure the bottom plate to the first named member, a slidable tensioned turnbutton carried by the housing, and a clip formed to seat on the top of the box-like member and having parts engaging the walls of the box-like member to prevent turning of the clip relative to the housing, said clip having a slot through which the turnbutton is movable and a groove to receive the turnbutton, the top of the box-like member having a groove registrable with the slot of the clip to receive the turnbutton therein when the latter occupies the slot of the clip.

6. In a bracelet catch, a housing formed at one end for connection to one end of the bracelet, a clip of substantially L-shape formed to engage over and with the exterior of the housing and having a part at the opposite end of the housing formed to engage with the opposite end of the bracelet, means to hold the clip against movement laterally of the housing, and means to removably latch the clip to the housing.

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

LOUIS E. SADLER.

Witnesses:
AUGUSTA P. GRAY,
HILDA F. SPETTIGNE.