April 3, 1928. 1,665,096

R. H. HOLMES

SNAP FASTENER

Filed March 22, 1927

Fig. 1.

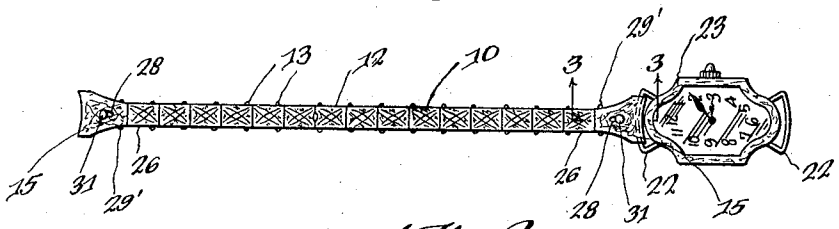


Fig. 2.

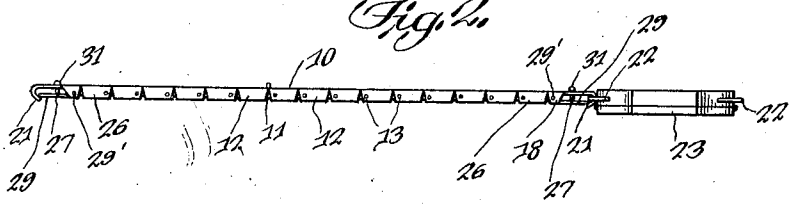


Fig. 3.

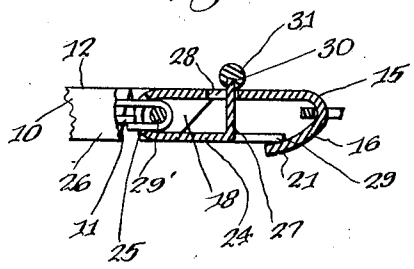


Fig. 6.

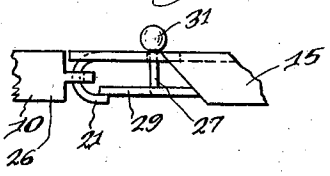


Fig. 4.

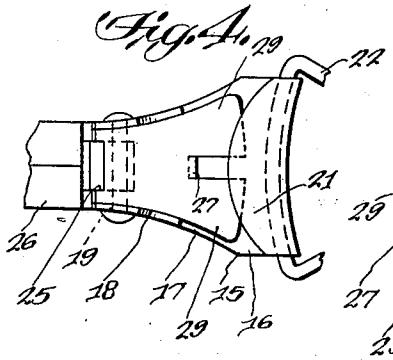
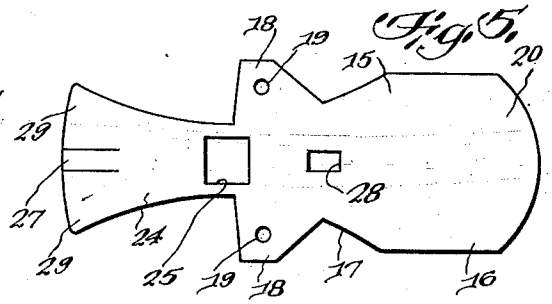


Fig. 5.



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UNITED STATES PATENT OFFICE.

ROBERT H. HOLMES, OF CHICAGO, ILLINOIS.

SNAP FASTENER.

Application filed March 22, 1927. Serial No. 177,375.

This invention relates to certain novel improvements in snap fasteners and more particularly to a snap fastener for attaching a wrist watch band to a wrist watch and has for its principal object the provision of an improved construction of this character which will be highly efficient in use and economical in manufacture.

Among the salient objects of the invention is to provide a fastener of this character which will permit expeditious detachment of one end portion of a wrist band from a wrist watch.

Other objects will appear hereinafter.

The invention consists in the novel combination and arrangement of parts to be hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawings, showing the preferred form of construction and in which:

Fig. 1 is a top plan view of a wrist band and watch showing my improved snap fastener associated therewith;

Fig. 2 is a side view of the same;

Fig. 3 is an enlarged fragmentary sectional detail view taken substantially on line 3—3 of Fig. 1;

Fig. 4 is a top plan view of the snap fastener embodying the invention; and

Fig. 5 is an enlarged plan view of the blank from which the snap fastener is formed.

Fig. 6 is an enlarged fragmentary side elevational view of the invention;

In the drawing 10 indicates a wrist band of a well-known construction. The wrist band in the present instance includes a plurality of body links 11, each of which are formed from a resilient piece of material bent to provide a link. These body links are confined within a plurality of coves links 12 which are slidably connected to the body links through the medium of pins 13. To the end body links I associate my improved snap fastener.

As is apparent from Fig. 1 of the drawing, the two snap fasteners of the wrist band are of the same structure and the description to follow is applicable to both snap fasteners.

Each of the snap fasteners are formed from a blank 15. This blank 15 includes a head portion 16 ornamentally shaped and corresponding longitudinal edges of the head portion 16 are partially curved inwardly as at 17 and extending laterally from these curved edge portions are ears 18 perforated as at 19. These ears 18 are bent substantially at right angles with respect to the head portion 16 to dispose their perforations 19 in substantial alignment with respect to each other. The end portion 20 of the head 16 is curved downwardly and inwardly to provide a keeper lip 21 and this curved portion is hooked to one of the buckles 22 formed as a part of a wrist watch 23.

The blank 15 provides a tail portion 24 and this tail portion 24 is bent to a position beneath the head 16 and at the junction between the head 16 and tail 24 is an opening 25 through which projects the adjacent link 26 of the body links 14. This tail 24 has a finger 27 struck upwardly therefrom and this finger 27 projects through an elongated opening 28 formed in the head 16. The portions 29 of the tail on opposite sides of the slot provided by this upwardly struck portion serve as latch fingers adapted for releasable engagement with the keeper lip 21. The link 26 is pivotally connected to the snap fastener through the medium of a pin 29′ positioned through the perforations 19. The extremety 30 of the finger 27 has secured thereto in a well-known manner a spherical head 31.

In use, to connect the snap fastener to one of the buckles 22 the user places the snap fastener with the latch fingers in engagement with one of the buckles 22 and by bearing the snap fastener so as to open passage between the latch fingers and keeper head, the loop 29 will slide into latched position. To detach the snap fastener from the buckle 22 the operator places his thumb in bearing relation with respect to the head 31 and by a light lifting pressure against this head the latch fingers will be raised from engagement with respect to the keeper lip. In this position of the latch fingers, the buckle 22 can be expeditiously and conveniently detached from latched position with respect to the snap fastener.

This manner of detaching the snap fastener from the buckle eliminates the necessity of turning the wrist band back upon itself to expose the latch finger, which turning back of the wrist band is not easily accomplished because of its rigid condition.

While I have shown in the drawing, the snap fastener associated with a wrist band,

it is manifest that this is only one of the many uses to which the snap fasteners may be put.

While I have illustrated and described the preferred form of construction for carrying my invention into effect, this is capable of variation and modification, without departing from the spirit of the invention. I, therefore, do not wish to be limited to the precise details of construction set forth, but desire to avail myself of such variations and modifications as come within the scope of the appended claims.

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

1. The combination with a link, of a snap fastener, said snap fastener being formed from a blank having one end portion turned back upon itself to provide a keeper lip and an opposite end portion turned back upon itself to provide a latch finger adapted for releasable engagement with the keeper lip, said blank having laterally extending portions bent substantially at right angles with respect to the body of the blank and said lateral portions being perforated, a pin positioned in said perforations and engaging said link for connecting said link to said snap fastener, and a finger struck from said opposite end portion and projecting through an opening formed in the body of the blank, said finger facilitating moving said latch finger from yieldable engagement with said keeper lip.

2. A snap fastener comprised of a blank bent to provide a laterally extending portion having the outer end bent back toward the extent thereof to provide a hook, said blank including a portion extending parallel to and in spaced relation with said first named portion and adapted to terminate in co-operating relation with the free end of said hook, and a section struck from said second named portion and bent at right angles thereto and adapted to extend through an opening in said first named portion whereby to afford means for retracting said second named portion from engagement with said hook.

3. A snap fastener comprised of a blank bent to provide a laterally extending portion having the outer end bent back toward the extent thereof to provide a hook, said blank including a portion extending parallel to and in spaced relation with said first named portion and adapted to terminate in co-operating relation with the free end of said hook, and a section struck from said second named portion and bent at right angles thereto and adapted to extend through an opening in said first named portion whereby to afford means for retracting said second named portion from engagement with said hook, and said body having portions bent to provide side walls adapted to be disposed adjacent the portion providing connection between said parallelly extending portions, said body having an opening formed therein in said connecting portion through which a member may be inserted for engagement with a pin adapted to be carried by said side walls.

In testimony whereof I affix my signature.

ROBERT H. HOLMES.