Dec. 19, 1939. H. SINGER 2,184,060

VENTILATED AND CUSHIONED WRIST WATCH BAND

Filed Oct. 27, 1938

Fig. 1.

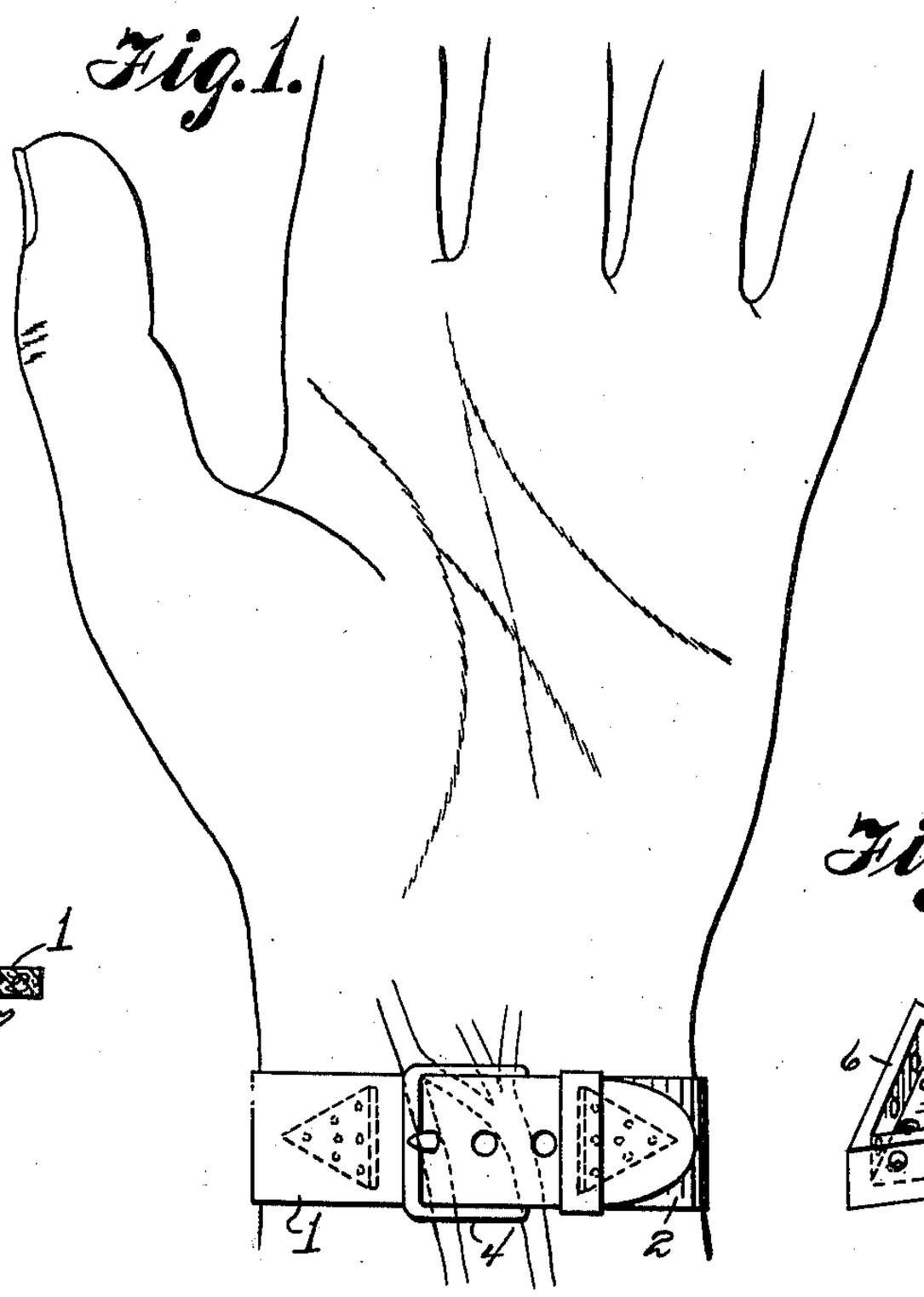


Fig. 3.

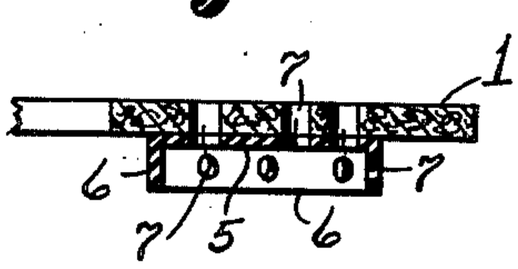


Fig. 4.

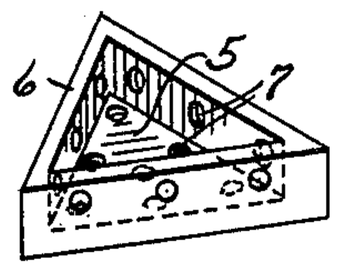


Fig. 2.

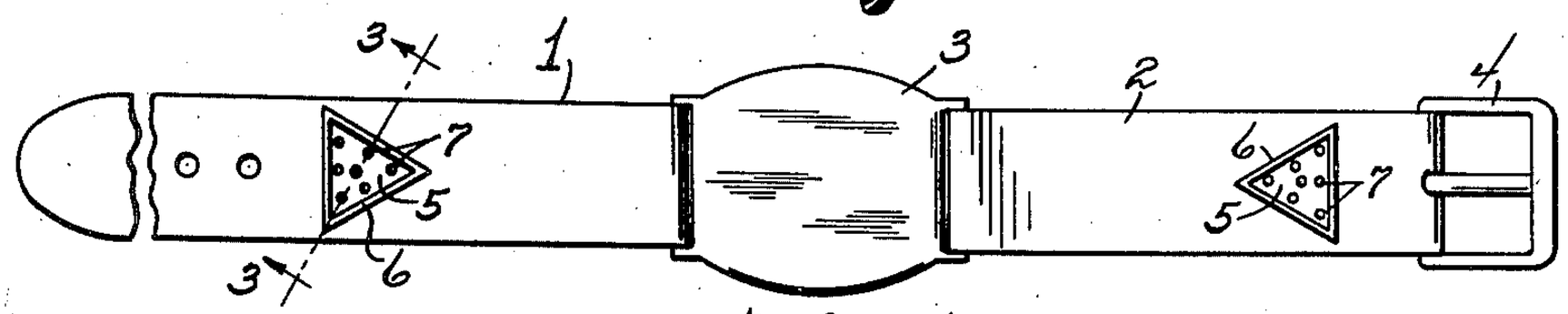


Fig. 5.

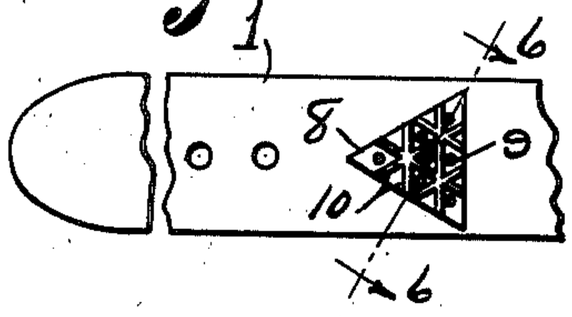
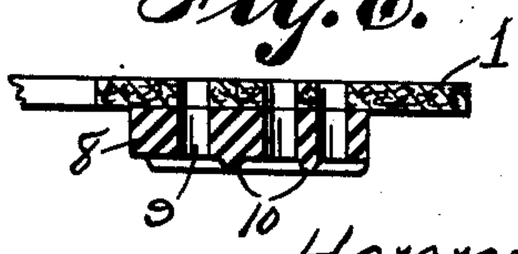


Fig. 6.



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UNITED STATES PATENT OFFICE

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VENTILATED AND CUSHIONED WRIST WATCH BAND

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Application October 27, 1938, Serial No. 237,351

3 Claims. (Cl. 224—4)

This invention relates to wrist watch bands and its general object is to provide a band or strap with means for cushioning and spacing the same with respect to the inner side of the wrist in bridging relation thereto, so as to not only allow for free circulation of air between the strap and wrist, to prevent irritation of the skin brought about by perspiration, moisture and other causes, but also to eliminate pressure on the veins, thus preventing retarding the flow of blood therethrough, and said means allows the strap to be substantially loosely associated with the wrist without turning thereon, with the result it will be obvious that my strap makes it possible to wear a wrist watch with utmost comfort and convenience.

A further object is to provide a ventilated and cushioned wrist watch strap that is simple in construction, inexpensive to manufacture, and extremely efficient in use and service.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawing and specifically pointed out in the appended claims.

In describing the invention in detail, reference will be had to the accompanying drawing wherein like characters denote like or corresponding parts throughout the several views, and in which:

Figure 1 is a plan view illustrating my strap in use.

Figure 2 is a bottom plan view of the strap attached to a watch.

Figure 3 is a sectional view taken approximately on line **3—3** of Figure 2, looking in the direction of the arrows.

Figure 4 is a perspective view of one of the cushioning members.

Figure 5 is a fragmentary view illustrating a modified form of cushioning member attached to a strap portion.

Figure 6 is a sectional view taken approximately on line **6—6** of Figure 5, looking in the direction of the arrows.

Referring to the drawing in detail, it will be noted that I have illustrated my invention in the form of a strap, in that it includes strap portions **1** and **2** of any suitable material such as leather or the like, that have their inner ends attached to a wrist watch **3** and the strap portion **1** is of course to be received in the buckle **4** for securing the strap and watch to the wrist of the user, in the usual manner. However, the invention may be in the form of a metallic band made up of links or the like, or strap portions, with suitable means for securing the free ends together and about the wrist of the user.

In any event, the important feature of my invention lies in cushioning members, preferably formed from elastic material such as rubber or the like, and in the form as shown in Figures 1 to 4 inclusive, it will be noted that the cushioning members each include a flat wall portion **5** and a marginal flange **6** formed about the edges of the flat wall portion for disposal at right angles thereto, as best shown in Figure 4. The cushioning members are illustrated as being of triangular formation, but they may be of any appropriate shape in outline, as will be apparent.

It will be noted as best shown in Figure 2, that a pair of cushioning members are attached to the strap portions outwardly of the transverse centers thereof, and to their undersurfaces, with the outer faces of the wall portions engaged with the strap portions and fixed thereto by adhesive material such as cement, but of course it will be understood that the members may be attached by lugs formed thereon and extending through the strap portions, as well as clamped against the outer surfaces of the latter.

The wall portions as well as the flanges have ventilating openings **7** therein, and the openings of the wall portions register with openings in the strap portions, as best shown in Figure 3. The arrangement of the cushioning members on the strap portions is such, that when the strap is disposed about the wrist, the cushioning members will be spaced from each other a considerable distance upon the opposite sides of the wrist veins, as shown in Figure 1, and it will be obvious that the cushioning members space the buckle as well as the strap from the inner side of the wrist, in that the flanges contact the wrist, as will be apparent, with the result it will be seen that the strap is disposed in bridging relation with respect to the veins to prevent retarding of the flow of the blood therethrough, and that the spacing of the strap also allows for free circulation of air between the same and the wrist to eliminate irritation of the skin, brought about by perspiration, moisture and other causes as previously set forth.

Due to the inherent nature of the material from which the cushioning elements are made, that is elastic rubber or the like, it will be obvious that they set up a gripping action with the wrist to prevent turning of the strap or band thereon, consequently the strap or band can be associated with the wrist in a substantially

loose manner, yet will not turn thereon, and that feature coupled with the bridging and ventilating features makes it possible to wear a wrist watch with utmost comfort and convenience.

In Figures 5 and 6, it will be noted that the cushioning members are of solid block construction, as distinguished from the hollow construction of the form of Figures 1 to 4 inclusive, but the form of Figures 5 and 6 which are indicated by the reference numeral 8 are likewise shown as being of triangular formation and have ventilating openings 9 extending therethrough for registration with openings in the strap portions. One of the faces of the cushioning members 8 are flat and smooth for disposal in engagement with the strap portions and secured thereto by cement, or other suitable means as previously set forth, while the outer faces of the members 8 are serrated or roughened, to provide lateral air passages communicating with the openings 9, as well as to set up a gripping engagement with the wrist to prevent turning of the strap or band thereon, and the serrations as shown are provided by tongues 10 arranged in cross relation with respect to each other, as best shown in Figure 5.

It is thought from the foregoing description that the advantages and novel features of the invention will be readily apparent.

It is to be understood that changes may be made in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claims.

What I claim is:

1. A wrist watch strap comprising strap portions each adapted to have one of the ends thereof attached to a watch, means for securing the opposite ends together, elastic rubber cushioning members fixed to the inner surface of the strap portions and arranged in spaced relation to each other for spacing the strap in bridging relation across the inner side of the wrist of the user, said strap portions having ventilating openings therein, and said cushioning members having communicating ventilating openings arranged therein for the passage of air through the sides thereof and for registration with the openings of the strap portions to provide for the circulation of air between the strap and the wrist.

2. A wrist watch strap comprising strap portions each adapted to have one of the ends thereof attached to a watch, means for securing the opposite ends together, a pair of elastic rubber cushioning members including flat wall portions fixed to the inner surface of the strap portions for the disposal of the cushioning members in spaced relation to each other for spacing the strap in bridging relation across the inner side of the wrist of the user, said strap portions having ventilating openings therein, wrist engaging flanges formed on the cushioning elements about the margins thereof for spacing the wall portions from the wrist, and the wall portions and flanges having ventilating openings therein and the openings of the wall portions registering with the openings of the strap portions to provide for the circulation of air between the strap and the wrist.

3. A wrist watch strap comprising strap portions each adapted to have one of the ends thereof attached to a watch, means for securing the opposite ends together, a pair of elastic cushioning members including flat wall portions fixed to the inner surface of the strap portions for the disposal of the cushioning members in spaced relation to each other for spacing the strap in bridging relation across the inner side of the wrist of the user, said strap portions having ventilating openings therein, crossed wrist engaging tongues formed on the cushioning elements to provide a serrated surface and lateral air passages, and the wall portions having ventilating openings therein communicating with the air passages and registering with the openings of the strap portions to provide for the circulation of air between the strap and the wrist.

HENRY SINGER.