

# PATENT SPECIFICATION (11)

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DRAWINGS ATTACHED

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(19)



## (54) WRIST WATCH

(71) We, KABUSHIKI KAISHA SUWA SEIKOSHA, a Japanese company, of 3—4, 4-chome, Ginza, Chuo-ku, Tokyo, Japan, do hereby declare the invention, for which we pray that a patent may be granted to us, and the method by which it is to be performed, to be particularly described in and by the following statement:—

This invention concerns a wrist watch. In the conventional wrist watch, the body of the wrist watch is provided with projecting lugs for the connection of the wrist watch band thereto. This means that the body and the band have portions which interpenetrate in plan view, and not only does this mean that the appearance of the watch is less attractive than it would otherwise be, but also it means that the body appears to be large because of the need to extend to opposite sides of the band.

According, therefore, to the present invention, there is provided a wrist watch provided with a band each end of which is secured by a spring rod to means projecting from the body of the watch, each end of the band being provided with a cover member which overlies the respective projecting means to conceal the latter and which engages both the spring rod and the respective projecting means to prevent removal of the cover member therefrom.

Since the cover members conceal the projecting means, the appearance of the watch is improved.

The cover members preferably have U-shaped portions which overlie the top and bottom surfaces of the respective projecting means.

Each cover member is preferably provided with two spaced hook portions through which the respective spring rod extends, the hook portions of the cover engaging the respective projecting means. Moreover, each cover member may have a cut-away portion between the hook portions thereof, the band having end links each of which extends into a said cut away portion and has a hook part which engages the respective spring rod.

Each cover member may be secured to

two laterally spaced projecting means or, alternatively, each cover member may be secured to a single projecting means disposed symmetrically of the longitudinal axis of the band.

The invention is illustrated, merely by way of example in the accompanying drawings, in which:—

Figure 1 is a plan view of a known wrist watch,

Figure 2 is a plan view of a wrist watch in accordance with the present invention,

Figure 3 is an underneath plan view of the wrist watch of Figure 2,

Figure 4 is a perspective view of a cover member forming part of the wrist watch of Figures 2 and 3,

Figures 5, 6 and 7 are cross-sectional views respectively taken on the lines, A, A', B, B', and C, C', of Figure 3, and

Figure 8 is an underneath plan view of another embodiment of a wrist watch in accordance with the present invention.

In Figure 1 there is shown a known wrist watch 10 having a body 11 and a band 12. The body 11 is provided, on opposite sides thereof, with two projections or lugs 13 which extend longitudinally of the band 12 and which are spaced transversely of the latter. Each end of the band 12 has an end portion 14 which is received in the space between the respective lugs 13 and which is secured thereto by means not shown in Figure 1.

Thus the known construction shown in Figure 1 necessitates an unnecessarily large body 11, since the lugs 13 need to be disposed on opposite sides of the end portions 14, while the appearance of the watch is impaired by the fact that the body 11 and band 12 have portions which, in plan view, extend into each other. Thus, in the Figure 1 construction, there is no smooth merging of the body 11 into the band 12.

In the construction shown in Figures 2 to 7, however, a wrist watch 15 is provided with a body 16 and with a band 17. The body 16 is provided, on each longitudinal side thereof, with two projections or lugs 21 which extend longitudinally from the body

16 of the watch and are disposed transversely of the band 17, each end of the band 17 being secured to the lugs 21 by a spring rod 31.

At each end of the band 17, a cover member 20 (which is best shown in Figure 4) overlies the lugs 21 to conceal the latter. Each of the cover members 20 has two laterally spaced U-shaped portions 22 having upper surfaces 23 and lower surfaces 24 which respectively overlie the top and bottom surfaces 25, 26 of the lugs 21. Thus the U-shaped portions 22 conceal the lugs 21.

Each cover member 20, moreover, is provided with two hook portions 30 which are spaced apart from each other transversely of cover member 20 and through which extends a spring rod 31. The opposite ends of each spring rod 31 are respectively received in recesses (not shown) in the respective pair of transversely spaced lugs 21.

The hook portions 30 have side surfaces 32 which engage corresponding surfaces of the lugs 21 so as to prevent transverse removal of the cover member 20 therefrom. Moreover, the spring rod 31, which is secured in each pair of lugs 21 and extends through the hook portions 30, prevents the respective cover member 20 from being removed from the lugs 21 longitudinally of the band 17.

Each cover member 20 has a cut-away portion 34 which is disposed between each pair of hook portions 30 thereof. The band 17 has end links 35 each of which extends into a respective cut-away portion 34 and has a hook part 36 which engages the respective spring rod 31. The hook portions 30 have openings 36<sup>a</sup> through which the spring rods 31 may be reached.

Thus the cover member 20 serves completely to conceal the lugs 21, while the construction enables the body 16 and band 17 to merge smoothly into each other as indicated in the Figure 2 view. The watch 15 can therefore be made smaller in appearance and have a better design than previously.

In Figure 8 there is shown a wrist watch 37 which is generally similar to the wrist watch 15 of Figures 2 to 7 and which for this reason will not be described in detail, like parts being given like reference numerals.

In the wrist watch 37, however, the body 16, instead of being provided on each of its longitudinally opposite sides with a pair of laterally spaced lugs 21, is provided symmetrically of the longitudinal axis of the band 17 with a single lug 38 on each of the longitudinally opposite sides. Each lug 38 has an

aperture therein through which the spring rod 31 extends, the spring rod 31 also extending through two sets of end links 40 which are located on opposite sides of the lug 38, and into recesses in a cover member 39.

As in the case of the wrist watch 15, each cover member 39 has a U-shaped portion which overlies the top and bottom surfaces of the lug 38 and thus conceals the latter.

#### WHAT WE CLAIM IS:—

1. A wrist watch provided with a band each end of which is secured by a spring rod to means projecting from the body of the watch, each end of the band being provided with a cover member which overlies the respective projecting means to conceal the latter and which engages both the spring rod and the respective projecting means to prevent removal of the cover member therefrom.

2. A wrist watch as claimed in claim 1 in which each cover member has a U-shaped portion which overlies the top and bottom surfaces of the respective projecting means.

3. A wrist watch as claimed in claim 1 or 2 in which each cover member is provided with two spaced hook portions through which the respective spring rod extends, the hook portions of the cover member engaging the respective projecting means.

4. A wrist watch as claimed in claim 3 in which each cover member has a cut away portion between the hook portions thereof, the band having end links each of which extends into a said cut away portion and has a hook part which engages the respective spring rod.

5. A wrist watch as claimed in any preceding claim in which each cover member is secured to two laterally spaced projecting means.

6. A wrist watch as claimed in any of claims 1 to 4 in which each cover member is secured to a single projecting means disposed symmetrically of the longitudinal axis of the band.

7. A wrist watch substantially as hereinbefore described with reference to and as shown in Figures 2 to 8 of the accompanying drawings.

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3. A wrist watch as claimed in claim 1 or 2 in which each cover member is provided with two spaced hook portions through which the respective spring rod extends, the hook portions of the cover member engaging the respective projecting means.

4. A wrist watch as claimed in claim 3 in which each cover member has a cut away portion between the hook portions thereof, the band having end links each of which extends into a said cut away portion and has a hook part which engages the respective spring rod.

5. A wrist watch as claimed in any preceding claim in which each cover member is secured to two laterally spaced projecting means.

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