March 14, 1944. H. SICKINGER 2,344,422

WATCHCASE

Filed March 12, 1941

Fig 1.

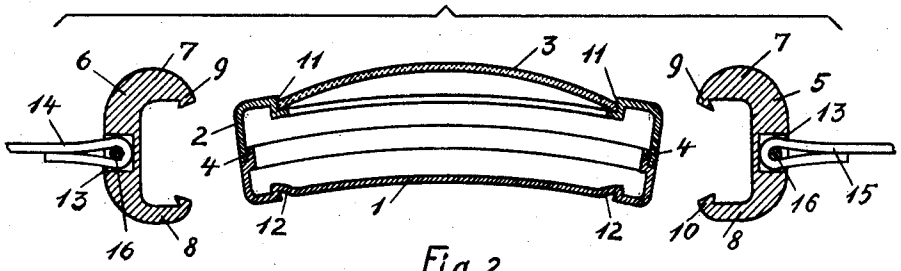


Fig. 2.

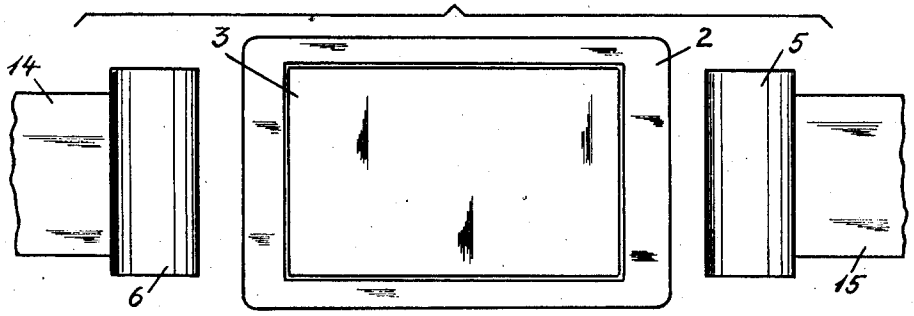


Fig 3.

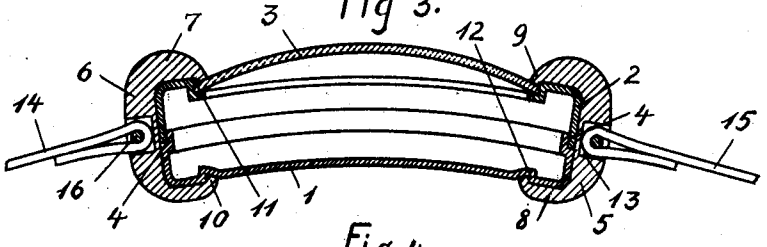
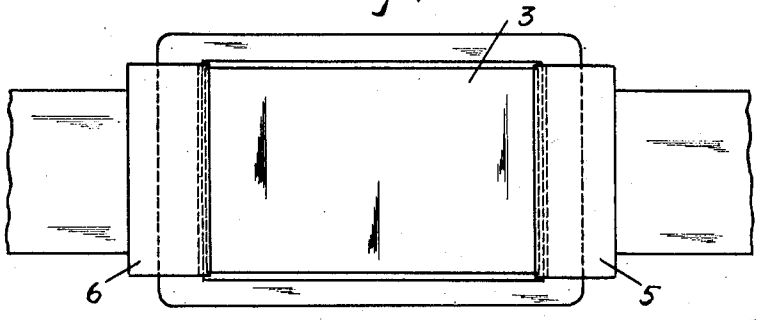


Fig. 4.



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2,344,422

WATCHCASE

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Application March 12, 1941, Serial No. 382,857
In Germany March 4, 1940

2 Claims. (Cl. 58—88)

The invention relates to a watch-case especially for bracelet watches.

The production of a watch-case as dust-tight as possible and consisting of two or three parts requires much time owing to the accurate work to be done and, as this work can be carried out only by a skilled workman, it is also expensive.

As means for tightly closing the watch case accurately turned rims are used, which strongly engage the one into the other by resilient pressing in. The opening, which can only mostly be effected by means of a tool, is difficult and it happens, that the elements of the case and of the closure are damaged.

These inconveniences are obviated by the present invention.

The novelty consists in the arrangement of two clamps, bows or the like adapted to be engaged with opposite sides of the watch case, said clamps or bows pressing the one strongly against the other the elements which form the watch case, that is for instance the capsule containing the watch mechanism, and the ring.

By providing a structure according to this invention, the separating joint between the capsule and glass ring, and also the joint between the watch crystal and the glass ring, are closed so tightly that the penetration of dust is prevented. Furthermore, the opening of the watch case can be carried out without the aid of any tool by simply removing the closing clamps.

The watch glass is further additionally secured against falling out after the closing clamps have been pushed on which, according to the invention, grip with claws under the rim or bezel of the glass ring.

An embodiment of the invention is illustrated by way of example in the accompanying drawing, in which

Fig. 1 shows a central longitudinal section and

Fig. 2 a top plan view of a watch case composed of two parts, the closing clamps being not yet pushed into the closing position,

Fig. 3 a central longitudinal section, and

Fig. 4 a top plan view of the case in finished closed state.

The watch case consists of a capsule 1 for the watch mechanism and of a glass ring 2 into the edge of which a watch glass 3 is inserted. The capsule 1 with the watch mechanism has an edge 4 in an inward direction over which the glass ring 2 engages.

The tight closing of the watch case comprising the capsule 1 with the watch mechanism and the glass ring 2, is effected by the two clamps 5 and 6, the free ends of the slightly resilient arms 7 and 8 of the clamps 5 and 6 forming claws 9 and 10. The upper claws 9 of the clamps 5 and 6 engage under and behind the rim or flange 11 of the glass ring 2, whereby the resiliently inserted watch glass 3 is additionally secured against dropping out of the glass ring. The lower claws 10 of the clamps 5 and 6 engage into notches 12 in the bottom of the capsule 1. The above-mentioned rim or flange 11 serves as a frame for the watch crystal and is generally known as a bezel. When the parts are in assembled position, the claws 9 extend over the edges of the crystal 3 and resiliently hold the crystal in the bezel.

The two clamps 5 and 6 have recesses 13 in their end faces into which recesses engage the ends 14 and 15 of the bracelet by means of pins 16 or the like and are thus connected with the watch case.

For opening the watch case no special tool is required, it being sufficient to merely remove the clamps, whereupon the parts of the watch case can be separated.

I claim:

1. A watch case comprising top and bottom members, the top member having a bezel with a watch glass therein, the bottom member having notches in the bottom face thereof, a pair of clamps adapted to be respectively engaged with opposite sides of the top and bottom members, each clamp having a pair of resilient arms with a claw at the free end of each arm respectively engaged with the bezel of the top member and the notches in the bottom member, said claws which engage said bezel extending over the edges of the watch glass whereby the glass is resiliently held in the bezel.

2. A watch case comprising top and bottom members, the top member having a bezel with a watch glass therein, the bottom member having notches in the bottom face thereof, a pair of clamps adapted to be respectively engaged with opposite sides of the top and bottom members, each clamp having a pair of resilient arms with a claw at the free end of each arm respectively engaged with the bezel of the top member and the notches in the bottom member, each clamp having a recess in its outer side and a watch bracelet adapted to have its ends secured in the recesses.

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