July 28, 1931. G. A. VERGER 1,816,101

OPENING CASE FOR WATCHES OR LIKE ARTICLES

Filed Aug. 27, 1928

Fig. 1

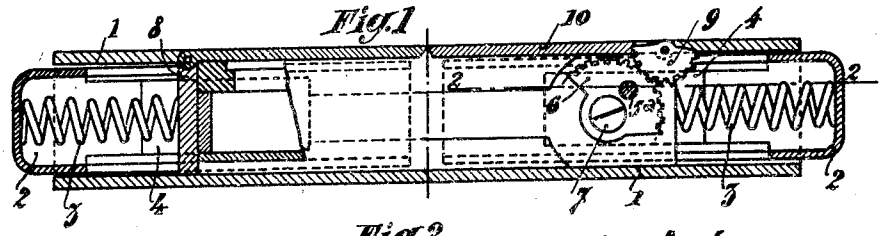


Fig. 2

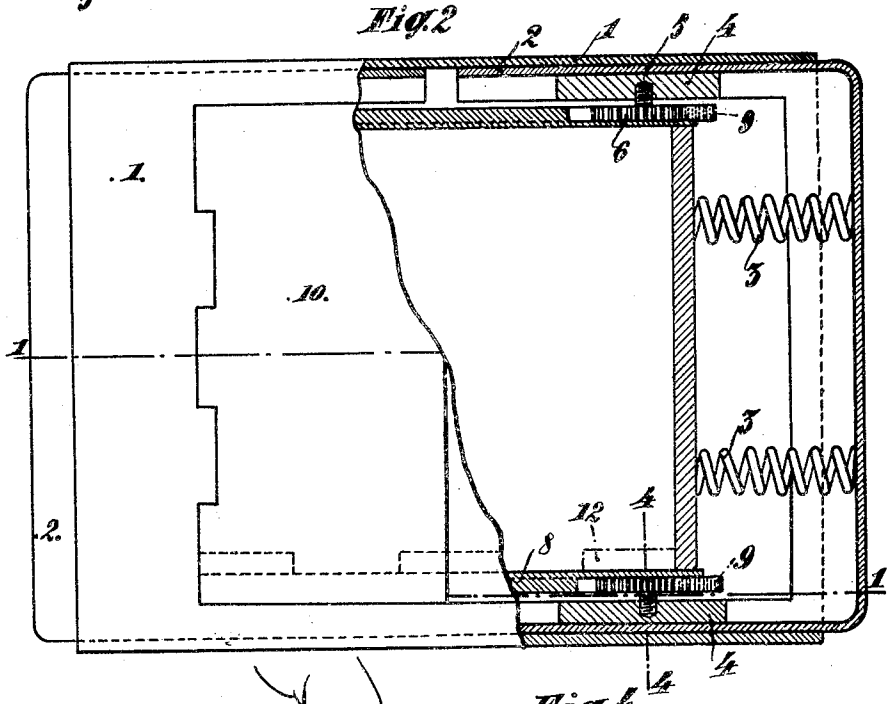


Fig. 5

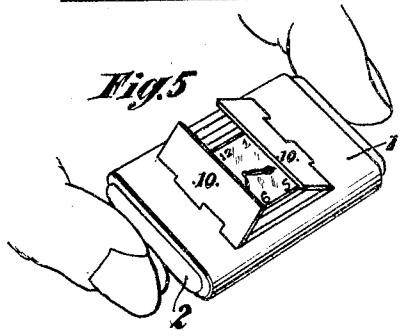


Fig. 4

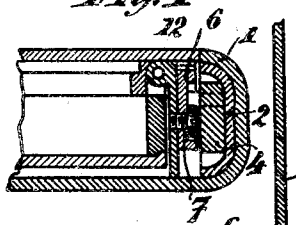


Fig. 3

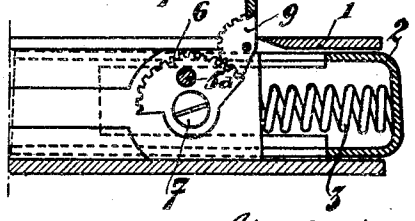
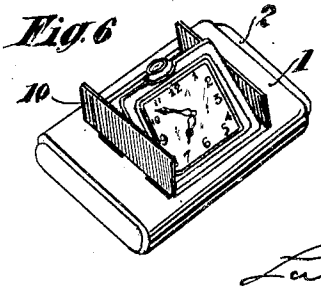


Fig. 6



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1,816,101

UNITED STATES PATENT OFFICE

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OPENING CASE FOR WATCHES OR LIKE ARTICLES

Application filed August 27, 1928, Serial No. 302,340, and in Switzerland June 13, 1928.

My invention relates to a case of the type used for carrying watches which is also suitable for containing cigarettes and generally for containing any article or object. The particular feature of my case resides in the fact that it is adapted to be normally closed by one or a pair of shutters suitably connected to spring push pieces forming movable ends of the case, in such wise that by seizing the said case by the edge and drawing the fingers together the degree of opening of the shutter is determined which allows the object which the case contains to be seen and removed if desired, the shutter or shutters returning to their closing position automatically under the action of springs when the pressure on the push pieces ceases.

In the case where a watch or dial plate is contained therein the mounting is preferably brought about in such a way that the said watch may be raised and held in an inclined position between the shutters after the manner of a traveller's clock.

The following description taken in connection with the accompanying drawings will allow the invention to be readily understood by those skilled in the art.

Figure 1 is a longitudinal sectional view of my case of the double shutter type taken along the line 1—1 of Figure 2.

Figure 2 is a transverse section taken along the line 2—2 of Figure 1.

Figure 3 is a sectional detail analogous to Figure 1, the shutters in raised position.

Figure 4 is a section along the line 4—4 of Figure 2.

Figure 5 is a perspective view showing the shutters in raised position.

Figure 6 shows a perspective view of the case serving as a traveller's clock.

Referring to the drawing, my improved case comprises a flattened tube 1, in the extremities of which are mounted two push-pieces 2 forming movable ends adapted to be pushed outwardly by means of springs 3.

On the inner face of each of said ends or push-pieces is secured or soldered a block 4 into which are screwed lugs 5 whose inner extremity 5*a* is loosely mounted in a toothed sector plate 6 pivoted on a fixed shaft 7 carried by an inner frame or carriage 8. The said sectors 6 mesh as shown in Figure 1 with other smaller sectors 9 fixed to the extremities of the hinges of a pair of complementary shutters 10.

From the foregoing it will be obvious that upon seizing the case between the fingers as shown in Figure 5 and pushing the ends or push-pieces 2 toward each other against the action of the springs 3, sectors 6 and 9 will accordingly be swung on their pivots, and the shutters 10 thus opened which uncovers the object or article contained in the case and as soon as the pressure ceases on the push pieces 2—the shutters return to their initial closing position under the action of springs 3.

When the said article is a watch, the case thereof is preferably connected by means of hinges 12 to the carriage or frame 8 (Fig. 4), so that when the watch is raised to an inclined position (Fig. 6), it is maintained in such position by the pressure of the shutters 10 thereon, the whole constituting a device known in the art as a traveller's clock.

Obviously my invention is not limited to the embodiment disclosed as many modifications might be resorted to without departing from the spirit of my invention as comprehended within the scope of the appended claims.

In particular I may modify the connection between the shutters and the push-pieces or bottoms 2, or provide the case with a single push-piece connected to one or more shutters, pivotally or slidably mounted.

A novel feature of my invention is the combination, with any form of casing having oppositely opening and spring closed doors, of a hinged mounting in the case for a watch movement or other contained article, the axis of which hinge extends at right angles to the parallel axes of the cover hinges so that when said covers have been swung outwardly, the watch movement may be swung upwardly between them and thereafter upon release of the pressure of the operator's hand, said watch movement is yieldingly grasped by the spring pressed covers so as to be held in this raised position in order that when the apparatus is deposited on the surface of a desk or

other horizontally extending support, the watch may be used as a traveler's clock.

What I claim is:

1. A case of the type described comprising an open ended body, also having an opening in the side thereof, a slidably mounted end in each extremity of said body, resilient means causing said ends to project outwardly from said body, hinged covering means for the side opening and means interconnecting said ends and said covering means for causing said covering means to swing open when pressure is exerted on said ends against the action of said resilient means, and a watch hinged on the interior of said body adapted to be held in an inclined position by the pressure of said covering means thereon when said covering means are in an open position.

2. A case of the type described comprising a flat tube having an opening in the side thereof, a push piece mounted to slide in each end of said tube, a spring for each of said push pieces each acting outwardly on said push pieces, a pair of hingedly mounted shutters for the side opening and means interconnecting said push pieces and said shutters adapted to cause said shutters to swing open when pressure is exerted on said ends against the action of said springs, and a watch hinged on the interior of said body adapted to be held in an inclined position by the pressure of said shutters thereon when said shutters are in an open position.

3. A case of the type described comprising an open ended body also having an opening in the side thereof, a slidably mounted end in said body, resilient means causing said end to project outwardly from said body, hinged covering means for the side opening and means interconnecting said end and said covering means for causing said covering means to swing open when pressure is exerted on said end against the action of said resilient means, and an article hinged on the interior of said body adapted to be concealed therein when said cover is in closed position and held in an inclined position by the pressure of said covering means thereon when said covering means are in an open position.

4. In a case for a watch, or other substantially flat article to be alternately displayed or concealed therein, having an opening in one face, oppositely disposed plates mounted on hinges having parallel axes and adapted to cover or expose said opening, manually operable means for simultaneously swinging said cover plates outwardly, and yielding pressure means normally tending to swing said cover plates toward one another, the combination, with said above described case, of means for hinging an article such as a watch therein, the axis of said hinge extending at right angles to the axes of said plate hinges; whereby, when said cover plates have been swung outward such watch movement may be swung up and thereafter held in raised position by the oppositely acting pressures of said cover plates when the latter are released from manual control.

In testimony whereof I have signed this specification.

GEORGES A. VERGER.