

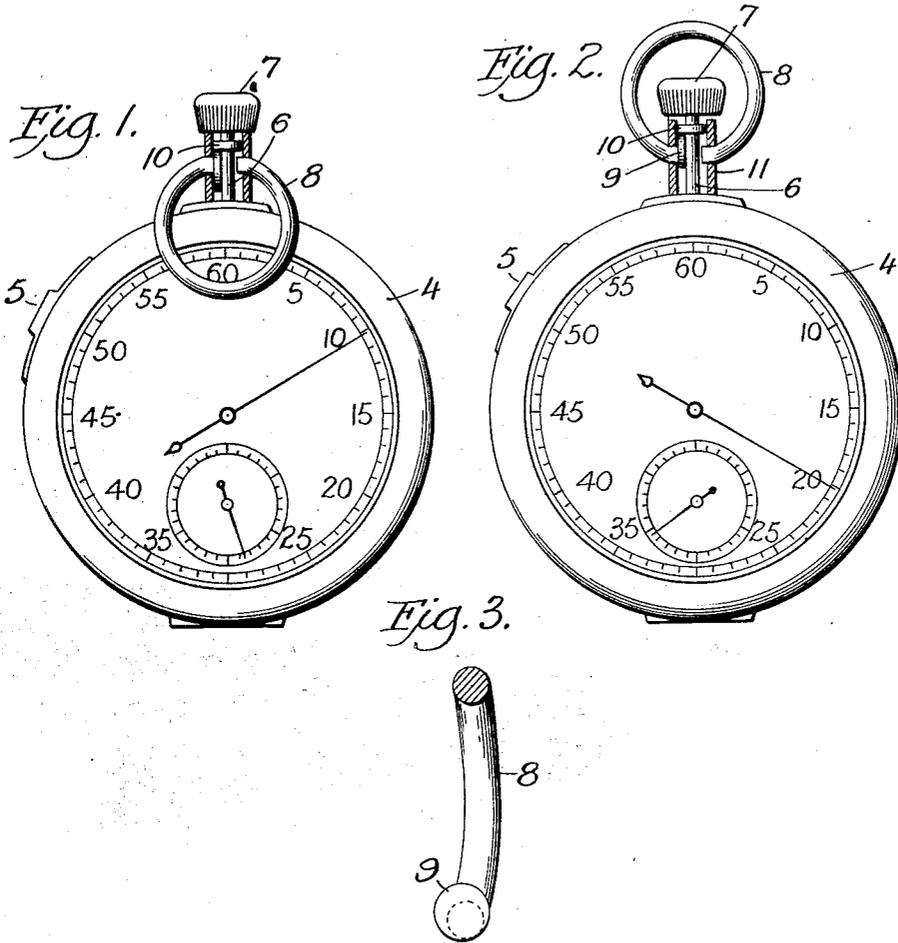
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H. E. VON KERSBURG

SAFETY ATTACHMENT FOR STOP WATCHES

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By

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UNITED STATES PATENT OFFICE.

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SAFETY ATTACHMENT FOR STOP WATCHES.

Application filed December 27, 1921. Serial No. 525,081.

To all whom it may concern:

Be it known that I, HARRY E. VON KERSBURG, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Safety Attachments for Stop Watches, of which the following is a specification.

The present invention relates to stop watches and consists in the combinations and arrangements of elements hereinafter described and particularly set forth in the accompanying claims.

The purpose of the invention is to provide a safety attachment for a stop watch which will effectively prevent the accidental zeroizing or re-setting thereof, and which in applied position will in no way hinder the normal working of the time piece, nor in any manner interfere with the handling thereof by the time-keeper.

In the game of football a record must be kept of the actual time that the ball is in play, and this is done by a stop watch. When the ball is out of play the watch is stopped, and when play is resumed the watch is started, and the length of time the game has progressed is thereby indicated. Both the minute and second hands of the watch are restored to zero by pressing down the stem-winder.

It is frequently necessary for a field judge, in order to closely watch the different plays, to be in the center of a "mix-up." He holds the stop watch in the palm of his hand ready to stop and start it as plays are ceased and resumed. In doing this he is often jostled and it frequently happens that the stem-winder of the watch is struck with sufficient force to set both the second and minute hands to zero, thereby losing all record of the duration of the game. This has happened so often that it has been proposed by certain judges of football to appoint an additional man, to stand outside the playing field with a stop watch and keep time and check the watch of the field judge.

To avoid these difficulties the present invention contemplates the employment of a safety device to be attached to a stop watch which will prevent the accidental resetting of the second and minute hands, but adapted to be released for the purpose of re-setting these hands in the usual way.

The invention as disclosed herein is proposed as an improvement over the construction of device adapted for the same purpose above described and forming the subject-matter of my U. S. Patent No. 1,373,467, dated April 6, 1921.

The present invention is disclosed by way of illustration in the accompanying drawings, wherein:

Figure 1 is a front view of a watch showing the attachment applied thereto;

Figure 2, a side elevational view thereof; and

Figure 3 is a detail perspective view of the attachment per se.

In the construction shown in Figures 1 to 3, the invention is characterized in that the safety device is formed as an integral part of the chain attaching ring, as distinct from a separate element attached to the watch, as disclosed in my patent above referred to.

Referring to the construction in further detail, 4 indicates a stop watch having the usual second and minute hands, and 5 represents the ordinary starting and stopping device therefor. The winding and re-setting stem 6 has a knurled head 7, and 8 indicates the ordinary chain attaching ring.

The safety device per se consists of a cam element 9 integrally formed with the chain attaching ring 8 that is adapted to coast with a shoulder portion 10 secured to the stem 6 as shown. It will be observed that both elements 9 and 10 are enclosed or contained wholly within the stem casing 11, thus protecting these parts, which is an obviously desirable advantage.

In operation the device is moved to the position shown in Figure 2 when it is desired to prevent the accidental re-setting of the second and minute hands of the watch, i. e., during the time that the football is in play; and for the purpose of re-setting the watch the device is moved to the position indicated in Figure 1, which permits this to be done in the usual way.

The illustration shows a particular embodiment of the invention, though it is understood, of course, that the invention may be carried out in other ways, and that therefore the present disclosure is to be considered in an illustrative sense only and not as a limiting one.

Having thus described the invention, what is claimed as new is:

1. A stop watch having a winding and a re-setting stem, a stem casing, and a device mounted wholly within the stem casing adapted to engage with the stem to prevent accidental re-setting thereof, substantially as set forth.

2. A stop watch having a winding and a re-setting stem, a chain attaching ring, and cooperable members mounted on said ring and stem respectively adapted to prevent accidental re-setting thereof, substantially as set forth.

3. A stop watch having a winding and a re-setting stem, a chain attaching ring, a stem casing, and cooperable members mounted on said stem and the ring respectively located wholly within the stem casing and adapted to prevent accidental re-setting of the stem, substantially as set forth.

4. A stop watch having a winding and a re-setting stem, a chain attaching ring, and a cam element mounted on said ring adapted to engage with the stem to prevent accidental re-setting thereof, substantially as set forth.

5. A stop watch having a winding and a re-setting stem, a chain attaching ring, a shoulder formed on the stem, and a cam element actuated by the ring to engage with said shoulder to prevent accidental re-setting operation of the stem.

6. The combination with a stop watch having a winding and a re-setting stem, and a chain attaching ring, of devices on said stem and the ring cooperable in one relation to prevent accidental re-setting of the stem, and in another relation to permit of re-setting thereof, substantially as set forth.

In testimony whereof I affix my signature.
HARRY E. VON KERSBURG.