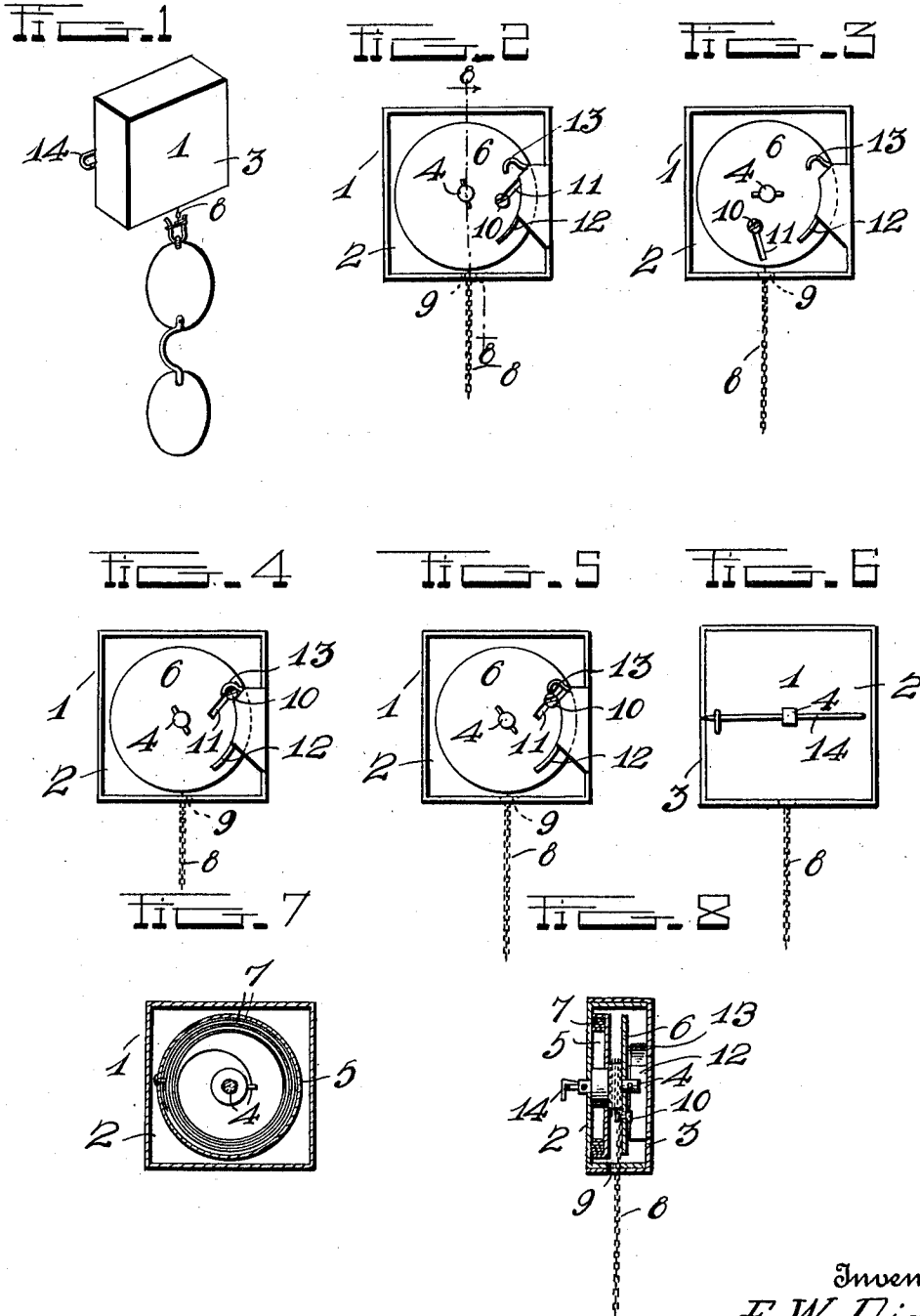


E. W. DICK.
SAFETY EYEGLASS HOLDER.
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Witnesses
C. R. Hardy
C. A. Griebner.

Inventor
E. W. Dick
by *A. B. Wilson & Co.*
Attorneys

UNITED STATES PATENT OFFICE.

EDWARD W. DICK, OF ALBERT LEA, MINNESOTA.

SAFETY EYEGLASS-HOLDER.

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To all whom it may concern:

Be it known that I, EDWARD W. DICK, a citizen of the United States, residing at Albert Lea, in the county of Freeborn and State of Minnesota, have invented certain new and useful Improvements in Safety Eyeglass-Holders; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in safety eyeglass holders.

The object of the invention is to provide a holder of this character adapted to be attached to the clothing in a convenient position, and having means whereby the eyeglass holding chain or cord will be automatically retracted and wound up when the glasses are not in use, thus supporting the glasses in an out of the way position.

With the foregoing and other objects in view the invention consists of certain novel features of construction, combination and arrangement of parts as will be more fully described and pointed out in the appended claims.

In the accompanying drawings, Figure 1 is a perspective view of my improved holder showing the glasses in a retracted position. Fig. 2 is a front view of the holder with the cover plate removed and showing the position of the catch when the chain is wound up. Fig. 3 is a similar view showing the position of the catch when the chain has been unwound and drawn out full length. Fig. 4 is a similar view showing the catch in engagement with its stop or keeper as when the glasses are in use. Fig. 5 is a similar view of the catch after being released from the keeper and the chain is being rewound. Fig. 6 is a rear view of the holder, showing the attaching pin. Fig. 7 is a sectional view through the casing and reel of the holder showing the spring for rewinding the chain. Fig. 8 is a vertical sectional view on the line 8—8 of Fig. 2.

In the embodiment of the invention I provide a casing 1 which may be of any suitable size and shape and which is here shown as of rectangular form. The casing 1 is preferably constructed in telescoping sections, one of which forms the body portion 2 of the casing and the other the cap or cover 3. In the body portion 1 of the casing is fixedly secured a centrally disposed pivot stud or

shaft 4 on which is revolubly mounted a combined spring casing 5 and reel 6. In the spring casing 5 is arranged a coiled spring 7 the inner end of which is secured to the pivot stud 4 while the outer end is secured to the spring casing 5. On the reel 6 is adapted to be wound the eyeglass supporting chain 8, which passes through aligned openings 9 in the body and cover of the casing and is attached at its outer end to the eyeglasses as shown in Fig. 1 of the drawings. The inner end of the chain 8 is connected to the inner end of a catch pin 10 which is slidably mounted in a slot 11 in the outer side of the reel and projects beyond said side for a purpose hereinafter described. When the chain is wound up the catch pin is drawn up into the inner extremity of the slot as shown in Fig. 2 of the drawings.

When it is desired to use the glasses the chain is pulled out and thus unwound from the reel. As the chain is thus unwound the reel 6 and spring casing 5 are revolved on the stud 4 thereby winding up the spring 7 which, when the chain is released will revolve the casing 5 and reel 6 in the opposite direction thereby again winding up the chain. When the chain has been entirely unwound from the reel the catch pin 10 will be pulled to the outer extremity of the slot 11, as shown in Fig. 3 of the drawings, and when the pin is in this position the chain is released slightly to permit the spring to reverse the movement of the reel thereby bringing the outer end of the pin behind or into engagement with the rear side of a segmental guard or guide finger 12 formed on a bracket projecting inwardly from the side of the body 2 of the casing. Upon a further release or slacking of the chain the end of the pin 10 will be carried around and guided by the guard finger 12 into engagement with a keeper or stop 13 formed on the upper end of the finger 12 as shown in Fig. 4 of the drawing. When the pin 10 is thus caught by the keeper 13 the reel will be held against further retrograde movement by the spring thus allowing the chain to remain out in an extended position to permit the glasses to be used. When it is again desired to rewind the chain the latter is given a slight pull thus disengaging the pin 10 from the keeper 13 and retracting the pin to the inner end of the slot 11, as shown in Fig. 5 of the drawings. When the pin is in this position

the chain is gradually released thus permitting the spring 7 to uncoil thereby revolving the spring casing and reel in the proper direction for winding up the chain.

5 The casing 1 may be secured at the desired position on the clothing in any suitable manner and is here shown as being provided with a pin 14 which is inserted through an aperture in the rear square end of the pivot
10 stud 4 thereby securing the same in the body portion 2 of the casing.

From the foregoing description taken in connection with the accompanying drawings, the construction and operation of the
15 invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the
20 principle or sacrificing any of the advantages of the invention as defined in the appended claims.

What is claimed is:

25 1. In an eyeglass holder, a main casing, a combined spring casing and reel revolubly mounted in said main casing, an eyeglass holder chain adapted to be wound on and off said reel, a coiled spring in said spring casing adapted to be wound up by said chain
30 when the latter is unwound from said reel, a catch pin slidably mounted in said reel and operated by said chain, and a keeper adapted to receive said pin thereby holding the reel against operation.

35 2. In an eyeglass holder a main casing, a combined spring casing and reel revolubly

mounted therein, a reel operating spring in said spring casing, a catch pin slidably mounted in said reel, an eyeglass holding chain operatively connected to said pin, a
40 keeper arranged in said main casing, a guide finger adapted to guide said catch pin into said keeper when said pin is moved to a proper position by said chain and means whereby said pin is released from the keeper
45 to permit said reel to be revolved by said spring to wind up said chain.

3. In an eyeglass holder, a main casing formed in telescopically engaged sections, a pivot stud engaged with one of said sections, a holder fastening pin arranged in
50 the outer end of said stud whereby the latter is secured in place, a combined spring casing and reel revolubly mounted on said stud, a reel operating spring in said spring casing, a chain adapted to be wound on said
55 reel by the unwinding of said spring and to wind up said spring when unwound from the reel, a catch pin slidably mounted in said reel, and operated by said chain, a
60 keeper to receive said pin and thereby hold said reel against retrograde movement by said spring and means whereby said pin is released from said keeper.

In testimony whereof I have hereunto set
65 my hand in presence of two subscribing witnesses.

EDWARD W. DICK.

Witnesses:

HENRY A. MORGAN,
HAROLD M. DAKIN.