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P. C. CARLTON

2,100,239

MAGNIFYING GLASS

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Fig. 1.

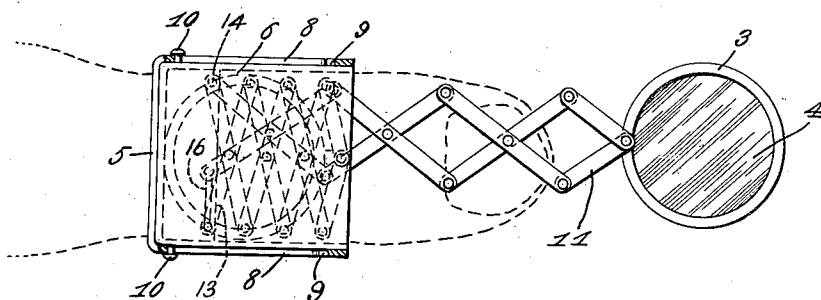


Fig. 2.

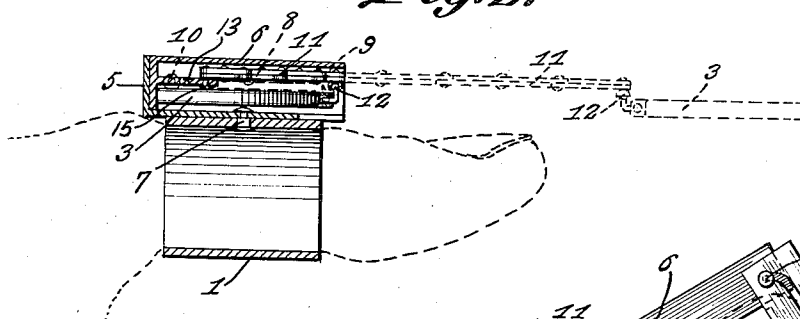


Fig. 3.

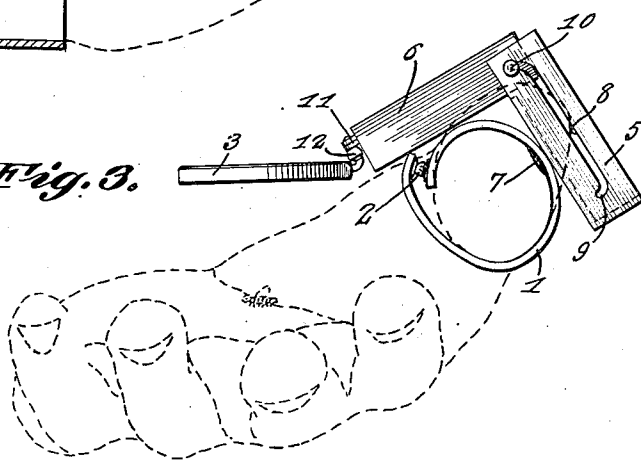
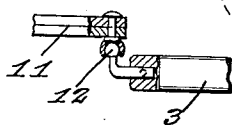


Fig. 4.



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MAGNIFYING GLASS

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3 Claims. (Cl. 88—39)

This invention relates to magnifying glasses and its general object is to provide a device of that character, in the form of an attachment primarily designed for the thumb of the user, to be easily and conveniently carried thereby without materially interfering with the normal use of the hand and is always ready for immediate use.

A further object of the invention is to provide a magnifying device, in which the lens thereof is amply protected against breakage or damage, but can be easily moved to a position for use with minimum effort, to inspect something held in the palm of the hand to which the device is attached, or something on and in places remote from the hand.

Another object of the invention is to provide a magnifying device that can be easily applied and removed with respect to the thumb or finger of the user, will cause no discomfort, is simple in construction, inexpensive to manufacture and extremely efficient in operation, use and service.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawing and specifically pointed out in the appended claims.

In describing the invention in detail, reference will be had to the accompanying drawing wherein like characters denote like or corresponding parts throughout the several views, and in which:

Figure 1 is a top plan view of my device, with parts in section, and illustrates the same attached to the thumb of the user, with the magnifying glass in extended position.

Figure 2 is a vertical sectional view taken through the device, attached to the thumb, with parts in full and dotted lines.

Figure 3 is a view illustrating the use of the device, in inspecting something held in the palm of the hand to which the device is attached.

Figure 4 is a view illustrating the ball and socket joint connection between the lens frame and attaching means for the magnifying glass.

Referring to the drawing in detail, the numeral 1 indicates a band which is shown as being attached to the thumb of the user, and includes suitable fastening means for that purpose, such as a snap fastener 2. The band is preferably formed from elastic material, so as to be stretched about the thumb to assure a tight association therewith.

The magnifying glass may be of the usual con-

struction as shown, and includes a circular frame 3 and a lens 4 mounted therein.

The housing or casing of the magnifying glass is made up of a pair of like shaped sections 5 and 6, of a size whereby the section 6 fits within the section 5, but is freely movable therefrom and connected thereto as clearly shown in Figure 3.

The section 5 which constitutes the base or body section is secured to the band 1 through the instrumentality of a rivet or the like 7, in a manner to be rotatably mounted with respect thereto, and has an open top and front end, while the section 6 has an open bottom and front end, so that when the sections are disposed in closed position, all portions of the housing are closed with the exception of the front thereof, as clearly shown in Figure 2.

The side walls of the section 5 are provided with slots 8 extending longitudinally thereof, and the ends of the slots are downwardly directed as at 9. Extending laterally from adjacent the rear ends of the side walls of the section 6 are headed pins 10 which act as trunnions and are mounted for slidable movement in the slots 8, for connecting the section 6 to the section 5 for movement into and out of the latter through the open front thereof, and the bottom wall of the section 5 terminates inwardly of the front end thereof to allow the section 6 to be swung downwardly for disposal at right angles with respect to the section 5 as shown in Figure 3, and when so arranged the pins or trunnions 10 are received in the forward downwardly directed ends of the slots 8.

Secured to and extending forwardly from the rear wall of the section 6 as well as bridging the side walls thereof, in the form as shown, is a bracket plate 13 which has the inner end of one of the innermost links 11 of lazy tongs, pivotally secured thereto as at 14, while the inner end of the companion innermost link has a headed stub 15 secured thereto and mounted for movement in a slot 16 in the bracket plate 13, as shown in Figure 1, to allow the tongs to be readily folded and extended as shown in dotted and full lines of Figures 1 and 2. The outer end links 11 have the frame of the magnifying glass secured thereto through the instrumentality of a ball and socket joint 12, thereby allowing universal movement of the magnifying glass as will be apparent.

From the above description and disclosure of the drawing, it will be obvious that I have provided a magnifying device that is shown attached to the thumb of the user, and the glass can be used as shown in Figures 1 and 2, or in the man-

ner as shown in Figure 3, and can be extended accordingly from its housing in an easy and expeditious manner, but when arranged therein, it is amply protected from breakage or damage

5 as will be apparent upon inspection of Figure 2. It is thought from the foregoing description that the advantages and novel features of the invention will be readily apparent.

10 It is to be understood that changes may be made in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claims.

What I claim is:

15 1. A magnifying device comprising a glass, a housing therefor, a band having the housing rotatably secured thereto, means for attaching the band to the hand of the user, extensible means for connecting the glass to the housing for movement of the former into and out of the latter, and

20 universal connecting means between the glass and the extensible means.

2. A magnifying device comprising a magnifying glass, a housing therefor and including a body

section, a band having the body section rotatably secured thereto, means for connecting the band to the hand of the user, a movable section for the housing and connected to the body section for movement into and out of the latter, extensible means for connecting the glass to the movable section for movement of the former into and out of the latter, and universal connecting means between the glass and the extensible means.

3. A magnifying device comprising a magnifying glass, a housing therefor and including a body section, a movable section fitting the body section, means for connecting the movable section to the body section for movement into and out of the latter and including means for supporting the movable section at an angle with respect to the body section, a band having the body section rotatably secured thereto, means for connecting the band to the hand of the user, and extensible means for connecting the glass to the movable section for movement of the former into and out of the latter.

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