Oct. 2, 1934. C. W. WHITE 1,975,673

READING GLASS ATTACHMENT

Filed Oct. 31, 1933

Fig. 1.

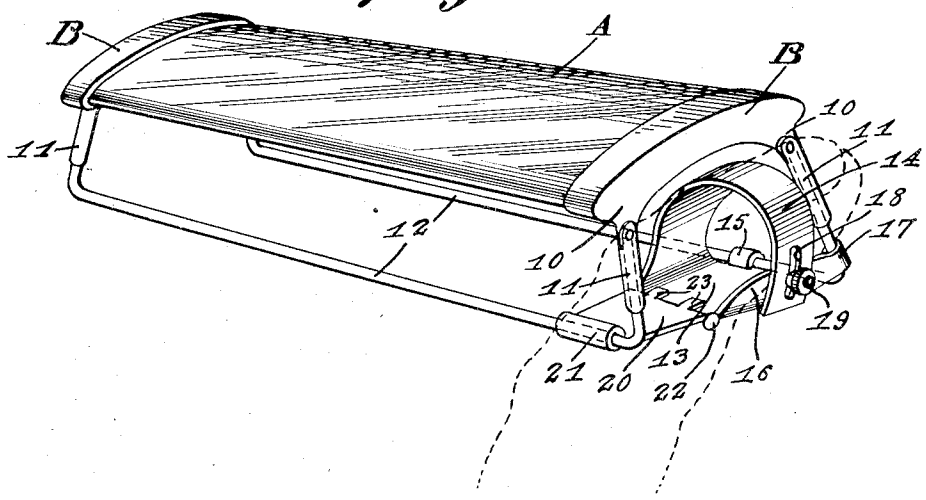


Fig. 2.

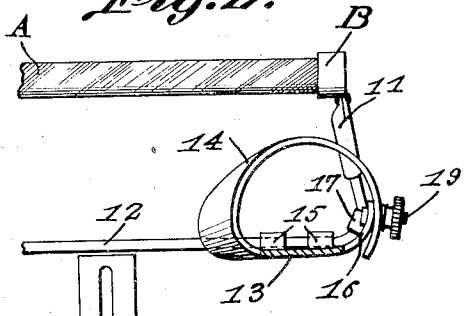


Fig. 4.

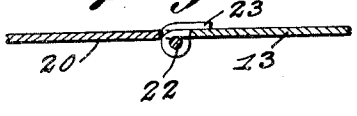
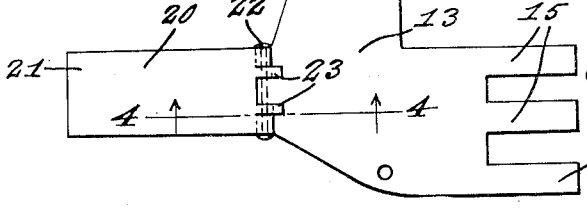


Fig. 3.



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READING GLASS ATTACHMENT

Charles W. White, Waco, Tex.

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2 Claims. (Cl. 88—39)

The invention relates to a reading glass attachment and one object thereof being to provide such attachment so that the glass with its frame can be worn upon the thumb of a hand of a user whereby the fingers of such hand will be free, as well as the other hand of such user, to manipulate the reading matter and thereby rendering the glass handy in service for reading purposes.

Another object of the invention is the provision of an attachment of this character, wherein the thumb holder of such attachment is adjustable to permit the fitting to varying sizes of thumbs for the carriage of the glass thereby without liability of accidental detachment in the use of the same.

A further object of the invention is the provision of an attachment of this character which is extremely simple in construction, thoroughly reliable and efficient in its purpose, strong, durable, readily and easily adjusted, capable of partial folding so as to permit the reading glass to be conveniently worn in the pocket of a user when not in service, and inexpensive to manufacture.

With these and other objects in view, the invention consists in the features of construction, combination and arrangement of parts as will be hereinafter more fully described in detail, illustrated in the accompanying drawing, which discloses the preferred embodiment of the invention, and pointed out in the appended claims.

In the accompanying drawing:

Figure 1 is a perspective view of a reading glass showing the attachment constructed in accordance with the invention applied thereto and diagrammatically disclosing the mounting upon the thumb of a hand of a user.

Figure 2 is a fragmentary vertical longitudinal sectional view.

Figure 3 is a plan view of the attachment in blank arrangement.

Figure 4 is a sectional view on the line 4—4 of Figure 3 looking in the direction of the arrows.

Similar reference characters indicate corresponding parts throughout the several views in the drawing.

Referring to the drawing in detail, A designates generally the magnifying lens or glass of a plano-cylinder or double cylinder type having power in one meridian and not in the other, said lens or glass being substantially oblong in shape. Mounted over the opposite ends of the lens or glass there are metal clamping or frame members B properly flanged so as to fit snugly thereover for supporting the same. These clamping or frame members are provided with downwardly extending ears 10 to which are pivotally secured the supporting legs 11, these being socketed for the extensible connection of props 12, each formed from wire or like material and constituting the rests for the glass or lens. The arms of the props 12 are frictionally engaged in the legs 11 so as to permit telescopic action of such props to raise and lower the glass or lens A relative to reading matter for increasing or decreasing the magnifying of such reading matter to suit the fancy of a reader in the use of the glass or lens.

The attachment constituting the present invention comprises a main plate-like body 13 having cut and bent therefrom the thumb receiving loop 14 and the pivot ear extension 15, these being rolled to swingingly engage one of the props 12. One side of the body 13 is cut and bent to form a side flange 16 with an extension 17 adapted to overlap and contact with the one end of the prop 12 to which the said body 13 is swingingly connected. The loop 14 has provided therein elongated slots 18 for the reception of a thumb screw 19 which is also engaged in the flange 16 and in this the loop 14 is readily adjustable to vary the size thereof for accommodating thumbs of different sizes for a purpose presently described.

Pivotally joined with the body 13 is the section 20, the latter being bent on itself to form a pintle eye 21 at its free end to receive the other prop 12 so as to be swingingly connected therewith. At the pivoted end 22 of this section 20 are stops 23 which limit the hinge action between the body 13 and said section 20 in one direction. In other words, the attachment can be folded inwardly but will be limited relative to outward folding.

In the use of the attachment, as before described, by connecting it with the props 12 of the lens or glass A the thumb of the hand of a user is inserted in the loop 14, this having been adjusted to the proper size so that the glass or lens A will be worn by the thumb on the right hand of a user, while the fingers of this hand will be free, as well as the other hand of such user, for the handling of reading matter, thus enabling such lens or glass to be conveniently handled while in use and without burdening both hands of a user for such handling with resultant awkwardness in the reading of a newspaper, book or other printed or written matter.

The extension 17 functions to prevent the creeping of the attachment longitudinally of the props 12.

It is contemplated within the scope of the invention to eliminate the section 20 with the

stops 23 and the hinge connection with the thumb receiving loop 14 so that this loop will be swingingly connected to only one of the props and that on the far side of the lens or glass A. In this manner the attachment can be readily folded for convenience in the carrying of the lens or glass upon the person of a user.

What is claimed is:

1. The combination with a reading glass having props, of an attachment comprising swingingly connected pieces hinged to said props, an adjustable thumb loop on one of said pieces for accommodating a thumb of a hand of a user, means on one piece and acting against the other piece to limit the swinging action therebetween in one direction, and means on one piece and active against one of the props to prevent creeping action.

2. The combination with a reading glass having props, of an attachment comprising swingingly connected pieces hinged to said props, an adjustable thumb loop on one of said pieces for accommodating a thumb of a hand of a user, means on one piece and acting against the other piece to limit the swinging action therebetween in one direction, means on one piece and active against one of the props to prevent creeping action, and means for adjusting said loop.

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