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J. A. BLACKISTON.

EYEGLASS ATTACHMENT FOR CAPS AND HATS.

APPLICATION FILED MAR. 18, 1907.

Fig. 1.

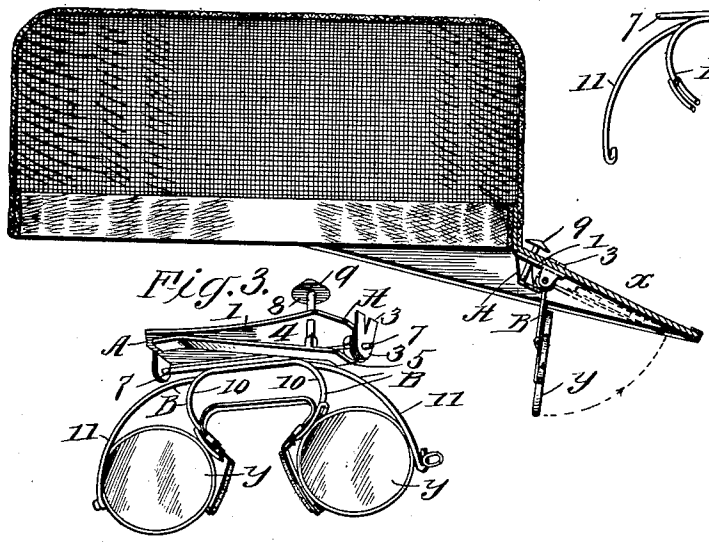


Fig. 5.

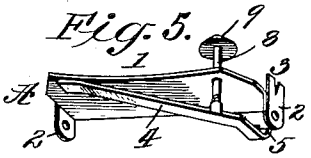


Fig. 6.

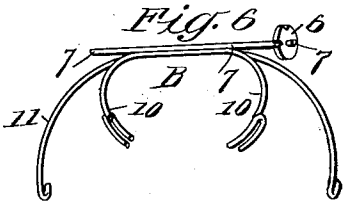


Fig. 3.

Fig. 2.

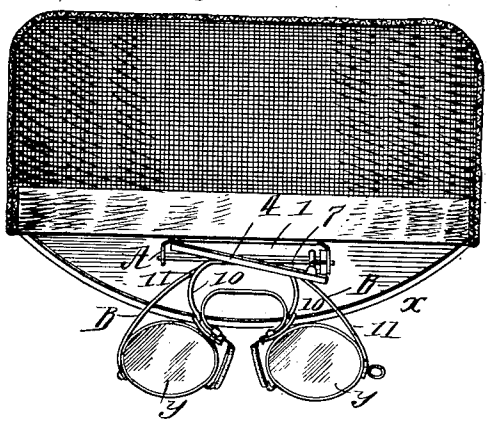
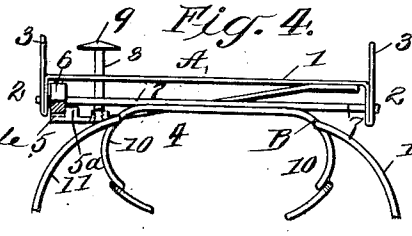


Fig. 4.



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EYEGLASS ATTACHMENT FOR CAPS AND HATS.

No. 862,795. Specification of Letters Patent. Patented Aug. 6, 1907.

Application filed March 18, 1907. Serial No. 363,006.

To all whom it may concern:

Be it known that I, JOHN AMBROSE BLACKISTON, a citizen of the United States, and a resident of Piedmont, in the county of Mineral and State of West Virginia, have invented an Improved Eyeglass Attachment for Caps and Hats, of which the following is a specification.

In many situations, it is difficult or impracticable, or at least undesirable and inconvenient, to support eyeglasses or spectacles on the nose, and I have devised an improved attachment by which they may be secured to a cap vizor or a hat brim, and in such manner that they may be held flat against the vizor or brim, and hence out of the way when not required for use, or they may be lowered and held in normal vertical position in front of the eyes without touching the nose. I have likewise so constructed the attachment, that the eye-glasses proper may be easily and quickly detached when it is desired to use them independently, or in the usual manner attached to the nose.

The details of construction, arrangement, and operation of my invention, are as hereinafter described and illustrated in the accompanying drawing, in which

Figure 1 is a vertical longitudinal section of a cap having my improved invention applied to the vizor. Fig. 2 is a transverse section of the cap, eye-glasses being shown in the pendent position as in Fig. 1. Fig. 3 is a perspective view of the attachment, together with eye-glasses secured thereto in pendent position. Fig. 4 is a face view of the attachment without the eye-glasses. Fig. 5 is a perspective view of that portion of my invention which is permanently secured to a cap vizor or hat brim. Fig. 6 is a perspective view of the eye-glass holder proper detached from the part secured to the vizor.

My invention comprises two chief parts, namely, one, A, which is permanently attached to a cap vizor x or hat brim, as the case may be, and the other, a detachable part, B, which holds eye-glasses y and is adapted to support them in raised position flat against the under side of the cap vizor or hat brim, or to hold them in the pendent position as in Figs. 1, 2, 3, when required for use.

The part A—see particularly Figs. 3, 4, 5—consists of an elongated sheet metal plate 1, having its narrowed end portions bent downward and doubled upon themselves, thus forming ears 2, the upwardly extending portions 3 forming claws which pass through holes in a cap vizor or hat brim and are bent down on the upper side thereof. Thus the part A is permanently secured in place. The part A further includes a plate spring 4, one end of which is soldered or otherwise secured to the underside of plate 1, while its free end has a lateral projection that is bent upward to form a dog or pawl proper 5 that engages notches in a disk 6 secured to one end of a shaft 7 constituting a part of the eye-glass holder B. A short rod 8 is attached to the spring 4 near its free end and passes through and is adapted to slide in a hole in the plate 1, and projects through and above the cap vizor x where it is provided with a button or enlarged head 9.

By pressing upon such button or head 9, the free end of the spring dog may be pushed downward out of engagement with the notched disk 6 to allow the eye glass holder B to be adjusted in either of the two positions indicated. Said eye-glass holder comprises the shaft 7 before referred to, and two sets of spring arms 10 and 11, which are adapted for attachment to, and for holding, an eye-glass proper y of the usual construction. As indicated in Fig. 6, the inward curved ends of the spring arms 10, are forked to adapt them to embrace one of the studs by which the bow spring of the eye-glass is secured to the rims of the lenses. The other arms 11, have their terminals formed as hooks which engage the outer projections of the eye-glass rims. By springing the arms 10, 11, further apart than shown in Fig. 6, the forks of arms 10 may be slipped over the inner studs or projections of the eye-glass, and the outer arms 11 may be hooked around the outer projections. By such means, the eye-glass is held securely and yet adapted to be readily detached when it is required or desired to use them independently of the attachment A. The trunnions or gudgeons of the shaft 7 are adapted to slide in the pendent ears 2 of plate 1, but when inserted in place as shown in Figs. 1, 2, 3, 4, the notched disk 6 abuts one of the ears 2, thus preventing movement of the shaft 7 in that direction, and the inwardly bent flange 5^a of the spring dog engages or comes in contact with the inner side of the said disk so as to prevent its movement in the opposite direction—see Fig. 4. Thus, the spring dog subserves two functions, namely, it holds the eye-glass attachment B in the part A, and also locks the disk in any position to which the part B may be rotated, so that said part may occupy the pendent position shown in Figs. 1, 2, 3, or may be thrown up and held flat against the underside of the vizor, or hat brim, as shown by dotted lines Fig. 1. It will be seen that the disk 6 has two notches and the inwardly bent flange or tooth 5 of the spring dog engages one or the other according as the eye-glass is pendent or raised.

Let it be supposed that the eye-glass attachment B is in the raised position, or lies flat under the cap vizor, as shown in Fig. 1, and it is desired to lower the eye-glasses to the pendent position so that they come in front of the eyes and may be used for aiding the vision in the usual way. It is then only necessary to press downward upon the button 9, by which the dog is released from the disk and the eye-glass and holder B swing downward by gravity to the proper position, and, upon release of pressure from the button 9, the dog again engages a notch in the disk, and thus holds the

eye-glasses locked in the vertical position. When it is desired to raise the glasses out of the way, the button 9 is again pressed downward, and the holder B is pushed upward to the dotted position in Fig. 1, whereupon, the dog being released, it again engages the notched disk 6. When it is desired to detach the eye-glass holder B, it is only necessary to press upon button 9 as before, and then slide the shaft 7 first to the left and then to the right, which releases the shaft journals from the perforated ears 2 of the part A.

My improved attachment is very useful for a large class of persons, particularly for engineers, firemen, and workmen in furnaces and factories, also for automobilists, hunters, and many others.

I claim:

1. The improved attachment for the purpose specified, comprising a part which is permanently attached to a cap vizor or hat brim, and includes a spring dog, an eye-glass holder comprising portions which are adapted for detachable connection with the eye-glass frame, and a rotatable shaft which is journaled in the aforesaid part, and with which the spring dog is adapted to engage for locking the eye-glass holder in either raised or pendent position, substantially as described.

2. The improved attachment for the purpose specified, comprising a plate which is permanently secured to the under side of a cap vizor or hat brim, a spring dog secured to said plate, and having its free end provided with a lug 5^a and an eye-glass holder comprising spring arms adapted to engage and hold the eye-glasses proper, and a rotatable shaft to which said arms are permanently secured, a notched disk mounted on said shaft, and with which the spring dog is adapted to engage for holding the eye-glass holder in the manner described.

3. In an attachment of the class specified, the combination with a plate, a spring dog secured to the under side thereof and having its free end provided with an inturned flange, a push rod connected with the free end of the dog and projecting upwardly therefrom, so that by applying pressure thereto, the dog may be forced downward, and an eye-glass holder comprising a shaft journaled on the said plate and having a notched disk with which the dog normally engages, and spring arms for holding an eye-glass in the manner described.

4. The improved attachment for the purpose specified, comprising a plate having reduced end portions which are bent downward and doubled upon themselves, and perforated, and extend upward and are formed with points that are adapted to serve as claws for securing the plate to a cap vizor or hat brim, and an eye-glass holder having portions adapted to enter the perforations in said ears, and means for holding the eye-glass holder in such rotatable engagement with the plate, substantially as described.

5. In an attachment of the class indicated, an eye-glass holder comprising two sets of spring arms, one set having forked terminals, and the other having its terminals constructed as hooks for engagement with projections on the frame of an eye-glass, substantially as described.

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