(No Model.)

H. M. WILSON.

SHIELD FOR SPECTACLE FRAMES.

No. 422,001. Patented Feb. 25, 1890.

Fig. 1.

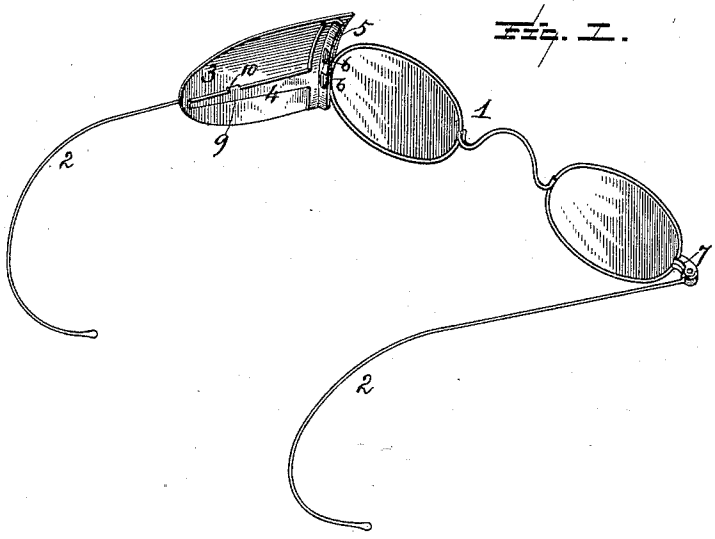


Fig. 2.

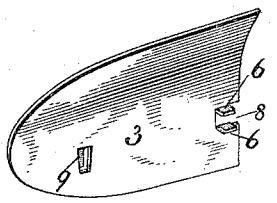


Fig. 3.

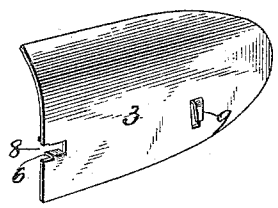
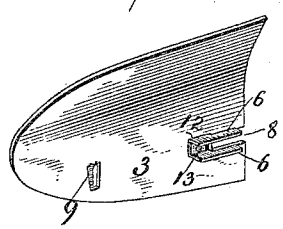


Fig. 4.



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UNITED STATES PATENT OFFICE.

HARRY M. WILSON, OF BALTIMORE, MARYLAND.

SHIELD FOR SPECTACLE-FRAMES.

SPECIFICATION forming part of Letters Patent No. 422,001, dated February 25, 1890.

Application filed September 24, 1889. Serial No. 324,932. (No model.)

To all whom it may concern:

Be it known that I, HARRY M. WILSON, a citizen of the United States, residing at Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Shields for Spectacle-Frames, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention has for its object the provision of an opaque shield for spectacle-frames; and among the objects in view are the provision of a shield which shall be light and inexpensive and capable of being removably secured and adjusted, and so arranged as to prevent the entrance of any side light usually falling upon the lenses and causing a reflection so objectionable and injurious to the eyes of the wearer.

Other objects and advantages of the invention will hereinafter appear; and the invention consists in an opaque light shield of concavo-convex form, adapted to receive a suitable stiffening-frame, and in suitable clips adapted to removably embrace the temple-bars of a spectacle-frame and render the shield adjustable thereon.

Referring to the drawings, Figure 1 is a perspective view of an ordinary spectacle-frame provided with a shield constructed in accordance with my invention. Fig. 2 is an inner perspective view in detail of a modified construction of the guard or shield detached. Fig. 3 is an outer perspective view in detail of the same; and Fig. 4 is a similar view as Fig. 2, illustrating a modified means for the guiding-clips.

Like numerals of reference indicate like parts in all the figures of the drawings.

1 represents a spectacle-frame, and 2 the temple-bars, all of the usual construction.

3 represents the shield, formed of celluloid, or, preferably, of light sheet metal, as copper, brass, or steel, and pickled or otherwise treated to give it the desired color, said shield being preferably of a concavo-convexed shape in cross-section and formed with a square front end. The form of the guard may be preserved by a T-shaped stiffening-frame 4, the T end of which lies transverse the shield and is riveted or otherwise secured thereto a short distance in the rear of the front edge thereof, and is bent into an L shape in cross-section, forming an inwardly-projecting flange 5, from which are struck up a pair of forwardly-projecting parallel tongues or clips 6, adapted to embrace the hinge 7 of the spectacle-frame, for the reception of which the front edge of the shield is notched or cut away, as at 8. When a stiffening-frame, as 4, is used, a tongue 9 is formed upon the upper edge of the shank portion of said frame, and said tongue is bent outwardly and upon itself and passed through an opening 10, formed opposite the tongue, in the shield, which tongue is bent in the form of a hook and adapted to embrace the adjacent temple-bar of the spectacle-frame. This is one form of shield, and from the construction described it will be apparent that the shield may be adjusted on the temple-bar so as to project more or less beyond the lenses, thus shutting out all side light and consequent reflection, and may be applied and removed with facility.

As shown in Figs. 2 and 3, I may omit the T-shaped stiffening-frame 4 and form the hooked tongue 9 by striking the same directly from the metal or material from which the shield is formed, and so also may the clips 6 be thus formed, the same being constructed by simply slitting the front edge of the shield longitudinally and laterally, and bend these portions inwardly to embrace the temple-bars in rear of the hinges and be supported and guided thereby.

In Fig. 4 I vary the construction by forming the recess 8 in the front edge of the shield, and in mounting inwardly of the same a metallic U-shaped plate 12, the opposite branches of which are bent to form a temple-bar, embracing flanges or clips 6, said plate being riveted or otherwise secured to the shield, as at 13.

Having described my invention, what I claim is—

1. An opaque shield for spectacles, provided with a notched front end, and means, as described, for securing the same to the frame thereof, substantially as specified.

2. An opaque shield for spectacles, provided with a notched front end, and means, as described, for adjustably and removably connecting the same to the frames thereof, substantially as specified.

3. An opaque shield for spectacles, provided with clips and a tongue for embracing the frames thereof, substantially as specified.

4. An opaque shield for spectacles, provided with a notched front end and a perforated rear end, in combination with a T-shaped stiffening-frame having a rear tongue or clip extended through the perforation and adapted to embrace the temple-bar, and flanged at its front end and provided with parallel clips, substantially as specified.

5. An opaque shield for spectacles, provided with a recess at its front end adapted to receive the hinge of the frame thereof, and a tongue at its rear end for embracing the temple-bars thereof, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

HARRY M. WILSON.

Witnesses:

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