(No Model.)

H. D. MARTIN.

EYEGLASSES.

No. 434,832. Patented Aug. 19, 1890.

Fig. 1.

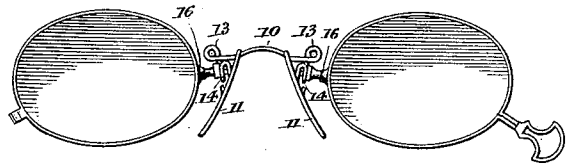


Fig. 2.

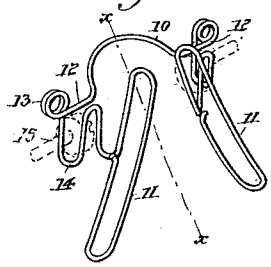


Fig. 4.

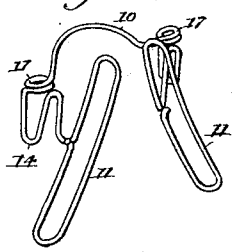


Fig. 3.

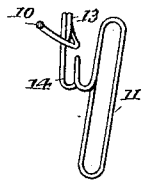
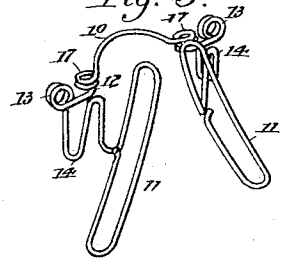


Fig. 5.



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HERBERT D. MARTIN, OF PHILADELPHIA, PENNSYLVANIA.

EYEGLASSES.

SPECIFICATION forming part of Letters Patent No. 434,832, dated August 19, 1890.

Application filed October 31, 1889. Serial No. 328,800. (No model.)

To all whom it may concern:

Be it known that I, HERBERT D. MARTIN, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and useful Improvement in Eyeglasses, of which the following is a full, clear, and exact description.

My invention relates to an improvement in eyeglasses, especially to an improvement in the spring and nose-clamps thereof, the special object of the invention being to improve upon and simplify the construction of the glasses, for which application for Letters Patent were made by myself June 1, 1889, Serial No. 312,885, and allowed September 23, 1889.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 is a rear elevation of the improved glasses. Fig. 2 is a perspective view of the bridge and clamps detached from the lenses. Fig. 3 is a vertical section on line *x x* of Fig. 2, and Figs. 4 and 5 are perspective views of slightly-modified forms of the improvement.

In carrying out the invention the bridge-piece 10 and the nose-clamps 11 are constructed of a single piece of preferably spring-wire, which is bent at or near its center to form the bow or bridge-piece and horizontal arms 12 at the termination of the curve thereof.

At the extremity of each of the arms 12 a vertical coil 13 is formed, and beneath each coil the wire is bent into one or into a series of curved lines 14, which lines are preferably made to approximate the contour of the letter **U** or **W**, as best shown in Figs. 2 and 3. The ends of the wire are bent each in the shape of a suitable nose-clamp, which clamp has heretofore been described by the reference-number 11. The inner faces of the clamps are convexed and inclined from the top downward in opposite directions, standing in a vertical plane at an angle to the bridge-piece 10, the said bridge-piece being adapted to rest upon and contact with the bridge of the wearer's nose, as set forth in the former application heretofore mentioned.

By forming the clamps of wire each clamp represents practically an elongated oval skeleton frame closely approximating the shape of a longitudinally-curved link. It is thus evident that a pad of any approved construction may be readily attached to each frame, if desired; but a pad is by no means necessary, as the frames of the clamps fit snugly to the fleshy portion of the nose near the eye-cavity of the face, and as the flesh may rise between the side walls of the frames the latter are prevented from being readily detached from the wearer's nose when the facial muscles are contracted by laughing or by sneezing, for instance, or when the head is bowed down.

The combined bridge and clamps are secured to the lenses through the medium of screws 15 or equivalent devices passed through one of the loops formed by the curved lines 14, which screws are made to enter suitable sockets 16, attached to the lenses or their frames, or into any device the equivalent of a socket.

It will be observed that when the devices above described are attached to the lenses to complete the formation of an eyeglass the lenses may be carried laterally in either direction, or vertically, as occasion may demand.

In the modifications illustrated in Figs. 4 and 5, in one of said figures a horizontal coil 17 is formed in the wire at the junction of the bridge 10 with the arms 12, and in the other figure the outer vertical coils 13 are dispensed with and the inner horizontal coils only are retained.

In fact I desire it to be distinctly understood that while specific construction has been shown and described other equivalent construction may be employed without departing from the spirit of the invention.

In speaking of wire I desire it to be understood that I do not confine myself to metal, as, if rubber, celluloid, or equivalent material can be drawn to approximate the metal in elasticity, such material is within the scope of the invention.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. As an improved article of manufacture, a bridge-piece and clamps for eyeglasses formed of a single piece having bends or loops

between the ends of the bridge and the clamps for the passage of securing-screws, substantially as set forth.

2. As an improved article of manufacture, a combined bridge-piece and nose-clamps for eyeglasses constructed of a single piece of wire, the said wire being coiled between the bridge-piece and the clamps, substantially as shown and described.

3. As an improved article of manufacture, a bridge-piece and clamps formed of a single piece or strand of flexible material, the ends of the strand beyond the bridge-piece being bent into elongated skeleton clamps forming loops 11, the inner faces of both members of the clamps thus formed being curved and inclined downward and outward, substantially as set forth.

4. As an improved article of manufacture, a bridge-piece and nose-clamp for eyeglasses constructed of a single piece of wire, the said wire being formed in coils, and wave-lines between the said bridge-piece and the said clamps, substantially as shown and described.

HERBERT D. MARTIN.

Witnesses:
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C. SEDGWICK.