(No Model.)

W. FREEMAN.

NOSE GUARD FOR EYEGLASSES.

No. 335,277. Patented Feb. 2, 1886.

Fig. 1.

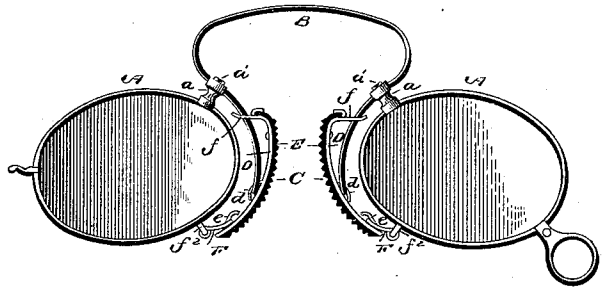


Fig. 2.

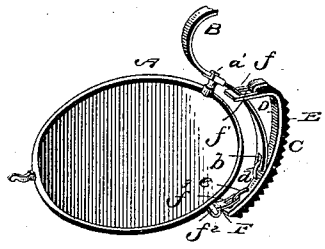
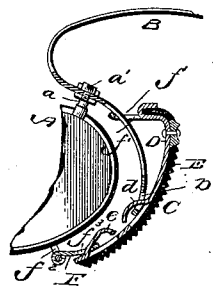


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

WILLIAM FREEMAN, OF SOUTHBRIDGE, MASSACHUSETTS.

NOSE-GUARD FOR EYEGLASSES.

SPECIFICATION forming part of Letters Patent No. 335,277, dated February 2, 1886.

Application filed October 29, 1885. Serial No. 181,283. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM FREEMAN, a citizen of the United States, residing at Southbridge, in the county of Worcester and State of Massachusetts, have invented a new and useful Improvement in Eyeglasses, of which the following is a specification, reference being had to the accompanying drawings.

My invention has relation to improvements in eyeglasses; and it consists of the peculiar construction and combination of parts, substantially as hereinafter fully set forth, and specifically pointed out in the claims.

My invention has primarily for its object to provide an eyeglass which shall yield when in position on the nose to render itself adjustable, to provide means whereby the lower ends of the springs shall be free or exert but a minimum tension on the nose-guards, to provide means which shall be readily and quickly detachable for the purpose of repairs, &c., and to combine simplicity and durability of construction with thorough effectiveness of operation.

In the annexed drawings, Figure 1 is an elevation of an eyeglass constructed in accordance with my invention. Fig. 2 is a detail perspective view of one of the glasses and its attached nose-guard. Fig. 3 is a vertical sectional view through the nose-guard and a portion of the spring and one of the eyeglass-frames.

Referring to the drawings, in which like letters of reference indicate corresponding parts in all the figures, A designates the frames of an eyeglass constructed in accordance with my invention; B, the connecting-spring, and C the nose-guards. The frames A are of the ordinary well-known form, and are each provided on their upper inner edges with a stud, *a*, having a seat or socket for one end of the spring B, which passes therethrough, and is secured therein by a screw, *a'*. Each frame A is provided with one of the nose-guards C, which are loosely and yieldingly secured thereto and bear on opposite sides of the nose of the wearer. Each nose-guard C comprises a base-plate, D, and a corrugated strip, E, of hard rubber or other suitable material, and secured to the base-plate by means of rivets or screws.

d designates an eye or loop secured to the inner face of the base-plate D at or near the middle; or said loop may be formed by striking up a portion of the base-plate, so as to provide a tongue. *e* designates a similar loop, either secured to the base-plate or formed therewith by striking up a portion thereof, said loop *e* being arranged at the lower end of the base-plate D, which is further provided at its upper end with an inwardly-bent arm, *f*, having a longitudinal slot, *f'*. The lower end of one side of the spring B passes through the slotted arm *f* of the nose-guard, and at its extreme lower end said spring is slotted, as at *b*, and fits over the loop or bent tongue *d*, the spring and nose-guard being thus loosely and yieldingly connected together.

F designates a link, one end of which is connected to the frame A and nose-guard C, the lower end of each link being pivotally connected to a lug or stud, f^2, secured to the frame A at its lower inner surface or edge, while the upper end of said link is bent and slotted, as at f^3, and engages the loop or bent-up tongue *e* of the nose-guard C, thus loosely connecting the same to the frame at its lower end. The lower ends of the spring B normally force or press the upper ends of the guards outwardly and toward each other, thus relieving the lower ends of said spring from a considerable degree of strain and tension when they are not worn, and rendering them more permanent and durable. When the glasses are in position on the nose, the guards C are forced inwardly toward the frames and away from each other, and the inward movement of the nose-guards takes place throughout their whole length, owing to the fact that the upper and lower ends thereof are loosely connected to the frames and spring. The lower ends of the springs exert the proper degree of force on the nose-guards to hold them firmly against the nose, and when said guards are forced inwardly the spring ends are also forced toward the eyeglass-frames A.

The nose-guards are self-adjustable to noses of different sizes and shapes, owing to the fact that the upper and lower ends are pivotally and yieldingly secured to the frame, one end thereof being free to move either inwardly or outwardly independently of the other end.

The device is simple and durable in construction, can be manufactured very cheaply,

is easily taken apart for repairs, &c., and very readily and quickly put together, does not injure or hurt the nose of the wearer, and is self-adjustable with reference to the degree of force exerted on the nose, and accommodates itself to noses of various shapes and sizes.

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

1. The combination of the frames, a spring secured to and connecting the frames and having free ends, and nose-guards yieldingly secured at their upper and lower ends to the spring and the frames, and having the free ends of the springs loosely connected thereto, whereby the nose-guards are permitted to move throughout their whole length independently of the frames, substantially as described.

2. The combination of the frames, the connecting-spring, the nose-guards loosely connected at their upper ends to the spring, and links pivotally connected to the frames and loosely secured to the lower ends of the nose-guards, substantially as described.

3. In an eyeglass, the combination of the frames, the spring rigidly secured to and connecting the frames and having free slotted ends, nose-guards having bent lips *d*, to which the free ends of the spring are connected, and having a slotted arm, *f*, embracing the spring, and links F, pivotally secured to the frames, and having their free ends slotted and engaging the lower bent tongues *e* of the nose-guards, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

WILLIAM FREEMAN.

Witnesses:

MERRILL L. BRAINARD,

ELINUS M. COOK.