N° 17,785 A.D. 1896

Date of Application, 11th Aug., 1896

Complete Specification Left, 10th May, 1897—Accepted, 12th June, 1897

PROVISIONAL SPECIFICATION.

[Communicated from abroad by JACOB W. RIGLANDER, of New York, United States of America.]

Improvements in Eyeglasses.

I, HENRY HARRIS LAKE, of the Firm of Haseltine, Lake & Co., Patent Agents, 45 Southampton Buildings, in the County of Middlesex, do hereby declare the nature of this invention to be as follows :—

This invention relates to eyeglasses and has for its object to make the eyeglass adaptable to various noses or sizes of nose also to enable the eyeglass to be raised or lowered by sliding movement and these objects are effected by means of movable or adjustable nose pieces as more fully set forth in the following specification.

The bow or spring serves to hold the glasses on the nose as known, and the glasses can be mounted in any suitable way as in the rims or bezels, or the glasses can be mounted without rims if desired. The arms or carriers support the nose pieces which can be constructed in any suitable way. A satisfactory nose piece is obtained by mounting a contact piece in a base piece, and making the contact piece of material suiting the touch of the wearer, as for example cork, celluloid or other substance. The base piece when made of metal will be strong and durable.

The arms or carriers are provided with dovetails or channelled portions and the base pieces are fitted to be slid or adjusted in said carrier portions. Springs exerting suitable friction or pressure will cause the nose pieces to be fixed against accidental displacement when suitably adjusted. By this arrangement the nose pieces can be slid or adjusted to fit any nose or size of nose or the eyeglass can be raised or lowered as desired.

The nose piece may be set at an angle but of course the degree as well as the direction of inclination can be varied or if desired the nose piece can be arranged to lie in a plane with the glasses according to the requirements of the wearer.

The nose piece can be left free to be slid out of the carriers or if desired the base piece can be provided with stops on the base piece so that the nose piece while adjustable cannot be pushed out or removed from the carrier and security against loss is thus afforded.

Of course the invention is not confined to the exact construction described as modifications thereof can be made as for example the nose piece instead of being in two parts might be made of one piece. All such modifications are within the scope of my invention.

To enable the nose piece to be fixed securely against accidental displacement, the back or face of the nose piece contracting with spring can be toothed or made notched or rack-like for firm engagement by the spring.

The arms can be made rigid or springy, as desired, and by using spring or elastic arms the nose pieces can be made to sit easily or comfortably.

Dated this 11th day of August 1896.

HASELTINE, LAKE & Co.,
45 Southampton Buildings, London, W.C., Agents for the Applicant.

[*Price* 8*d.*]

COMPLETE SPECIFICATION.

Improvements in Eyeglasses.

I, HENRY HARRIS LAKE, of the Firm of Haseltine, Lake & Co., Patent Agents, 45 Southampton Buildings, in the County of Middlesex, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to eyeglasses and has for its object to make the eyeglass adaptable to various noses or sizes of nose also to enable the eyeglass to be raised or lowered by sliding movement and these objects are effected by means of movable or adjustable nose pieces as more fully set forth in the following specification.

In the accompanying drawing,

Figure 1 is a front elevation of an eyeglass.

Figure 2 is a section along the line *x x* of Figure 1.

Figure 3 is a section along the line *y y* of Figure 2.

Figure 4 is a section along the line *z z* of Figure 2, and

Figures 5, 6, and 7 show modifications.

The bow or spring 1 serves to hold the glasses on the nose as is well known, and the glasses can be mounted in any suitable way as in the rims or bezels 2, or the glasses can be mounted without rims if desired. The arms or carriers 3 support the nose pieces which can be constructed in any suitable way. A satisfactory nose piece is obtained by mounting a contact piece 4 in a base piece 5, and making the contact piece of material suiting the touch of the wearer, as for example cork, celluloid or other substance. The base piece when made of metal will be strong and durable.

The arms or carriers 3 are provided with dovetails or channelled portions 6 and the base pieces 5 are fitted to be slid or adjusted in said carrier portions 6. Springs 7 exerting suitable friction or pressure will cause the nose pieces to be fixed against accidental displacement when suitably adjusted. By this arrangement the nose pieces can be slid or adjusted to fit any nose or size of nose or the eyeglass can be raised or lowered as desired.

In Figure 2 the nose piece is shown set at an angle but of course the degree as well as the direction of inclination can be varied or if desired the nose piece can be arranged to lie in a plane with the glasses according to the requirements of the wearer.

The nose piece can be left free to be slid out of the carriers or if desired the base piece can be provided with stops as shown on the base piece 5^1 in Figure 5 so that the nose piece while adjustable cannot be pushed out or removed from the carrier and security against loss is thus afforded.

Of course the invention is not confined to the exact construction described as modifications thereof can be made as for example the nose piece instead of being in two parts might be made of one piece. All such modifications are within the scope of my invention.

To enable the nose piece to be fixed securely against accidental displacement, the back or face of the nose piece contacting with spring 7 can be toothed or made notched or rack-like for firm engagement by the spring as seen at 9 in Figure 6.

The arms 3 can be made rigid or springy, as desired, and by using spring or elastic arms 3^1 Figure 7, the nose pieces can be made to sit easily or comfortably.

Having now particularly described and ascertained the nature of the said invention, and in what manner the same is to be performed, as communicated to me by my foreign correspondent, I declare that what I claim is:—

1. The combination with an eyeglass frame, of a nose piece carrier secured to the frame, a nose piece engaged with and slidable lengthwise in the carrier and a

friction plate attached to the carrier and located between the latter and the back of the nose piece to retain the nose piece in the position to which it is adjusted by sliding it lengthwise on the carrier, substantially as described.

2. The combination with an eyeglass frame of a nose piece carrier attached at one end to the frame and provided at the other end with a dovetail portion, a nose-piece having a dovetail piece which fits and is slidable lengthwise in the dovetail portion of the carrier, and an elastic friction plate secured in the dovetail portion of the carrier and located between the latter and the back of the nose piece to retain the nose piece in the position to which it is adjusted by sliding it lengthwise on the carrier, substantially as described.

3. The combination with an eye glass frame of a nose-piece carrier, and a nose piece dovetailed to the carrier and adjustable lengthwise into different positions, and a friction plate interposed between the carrier and the back of the nose piece for retaining the nose piece in the position to which it is adjusted by sliding it lengthwise on the carrier, substantially as described.

4. The combination with an eye glass frame of a nose piece carrier secured to the frame, a nose piece engaged with and slidable lengthwise upon the carrier and provided with a base having a series of corrugations, and an elastic friction plate secured to the carrier and engaging the said corrugations for retaining the nose piece in the position to which it is adjusted by sliding it lengthwise on the carrier, substantially as described.

5. An eyeglass provided with adjustable nose pieces and friction plates for the pieces, said pieces being notched or toothed for the engagement of the friction plates, substantially as described.

Dated this 10th day of May 1897.

HASELTINE, LAKE & Co.,
45 Southampton Buildings, London, W.C., Agents for the Applicant.

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Fig. 1.

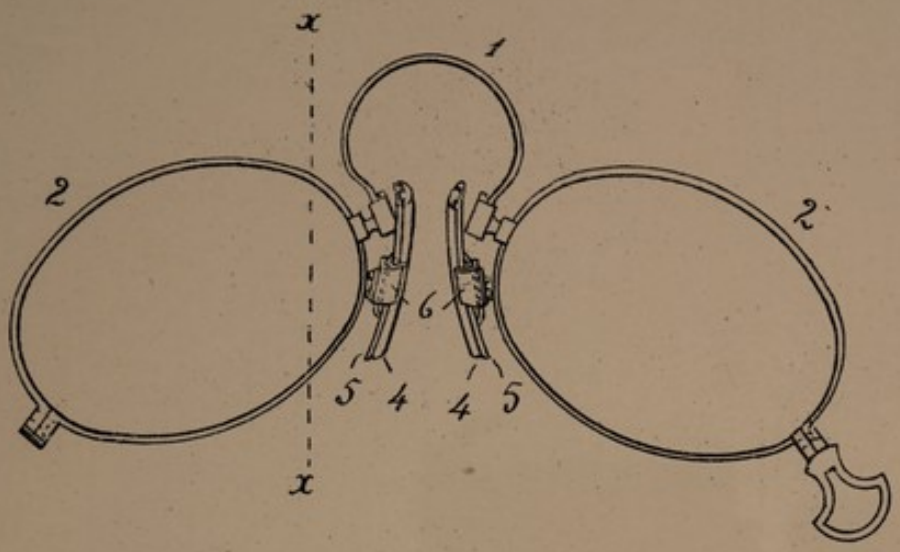


Fig. 2.

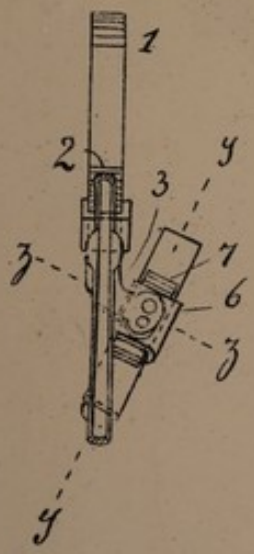


Fig. 3.

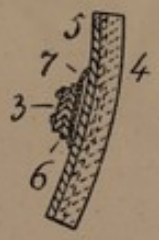


Fig. 5.

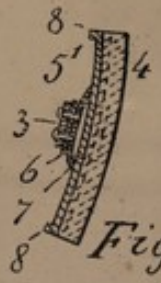


Fig. 7.

Fig. 4.

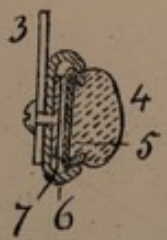
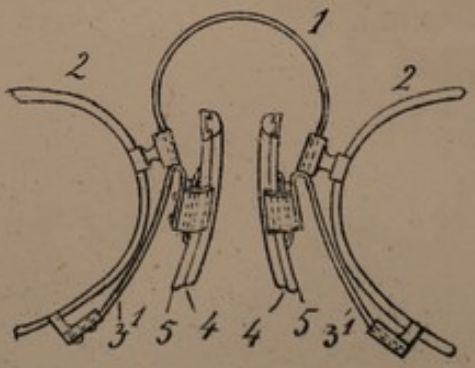


Fig. 6



[This Drawing is a reproduction of the Original on a reduced scale.]

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