

(No Model.)

F. G. SCHMIDT.
EYEGLASSES.

No. 483,812.

Patented Oct. 4, 1892.

FIG. 1.

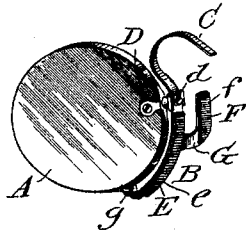


FIG. 2.

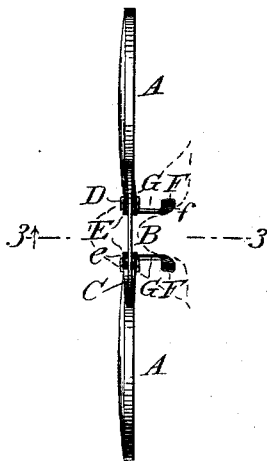


FIG. 3.



FIG. 4.

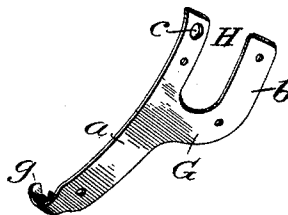
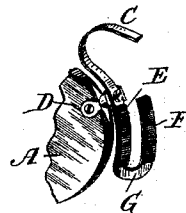


FIG. 5.



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UNITED STATES PATENT OFFICE.

FRITZ G. SCHMIDT, OF NEW YORK, N. Y.

EYEGLASSES.

SPECIFICATION forming part of Letters Patent No. 483,812, dated October 4, 1892.

Application filed May 23, 1892. Serial No. 433,979. (No model.)

To all whom it may concern:

Be it known that I, FRITZ G. SCHMIDT, a citizen of the United States, residing in the city, county, and State of New York, have
5 invented certain new and useful Improvements in Eyeglasses or Analogous Devices, of which the following is a specification.

This invention relates to eyeglasses or analogous devices, which are maintained in
10 position by engagement with the nose of the user. Such devices have heretofore been constructed with lenses either with or without lens-frames, an intermediate bridge connected thereto, and nose-pieces, one or more
15 for each lens, the nose-pieces being constructed to be adjustable to fit the nose of the user. When a plurality of nose-pieces for each lens has been used, these pieces have been separate from and independent of each other.

20 My invention aims to provide certain improvements in the construction of nose-pieces of the class having a plurality of resting-points for each lens. To this end in carrying out my invention the nose-pieces for each
25 lens are constructed, the one, as heretofore, to extend like the ordinary nose-piece in the plane of its lens and engage the forward part of the nose of the user, and the other, as heretofore, is arranged rearwardly of the first, carried by the usual adjustable shank, and
30 adapted to engage with the nose of the user near the eye, whereby as usual the first may serve as a guiding and steadying piece and the second as the main supporting-piece, and
35 according to my invention the two nose-pieces and shank are constructed as portions of one integral bar or piece of metal and the portion constituting the forward nose-piece being constructed at its upper back face for
40 direct connection to the usual stud of the lens and at its front side for direct connection to the usual shell or pad for contact with the nose, while that constituting the rearward nose-piece is constructed on its front face for
45 direct connection to its shell or pad.

In the accompanying drawings, Figure 1 is a perspective view of one-half of a frameless
50 eyeglass and its nose-piece and intermediate bridging-spring constructed according to my invention. Fig. 2 is a plan view thereof. Fig. 3 is a cross-section on the line 3 3 in Fig. 2,

showing the outline of the user's nose in dotted lines. Fig. 4 is a perspective view of the preferred construction of nose-piece, the shells or other gripping provisions being omitted; and
55 Fig. 5 is a perspective view of a modification.

Referring to the drawings, let A indicate the lenses, which may be constructed with or without the lens-frames; B, the nose-pieces therefor; C, the intermediate bridge connected to the lenses, which in the construction shown is a light spring bridging the nose of the user; and D the usual studs secured to the lenses carrying the spring C and nose-pieces and serving to connect these parts to
65 the lenses.

According to my invention the usual two nose-pieces for each lens, these being adapted, as heretofore, to fit against and contact with the nose of the user at different points,
70 are constructed of one integral piece and are preferably adjustable throughout their length, and the portion constituting the forward nose-piece being constructed at its upper back face for direct connection to the usual stud of the
75 lens and at its front side for direct connection to the usual shell or pad for contact with the nose, while that constituting the rearward nose-piece is constructed on its front face for direct connection to its shell or pad. This
80 may be accomplished as illustrated in the drawings, wherein one of the nose-pieces (lettered E) is the well-known nose-piece extending in the plane of the lens, and the other nose-piece (lettered F) is arranged rearwardly
85 thereof, the two being adjustably connected together by the intermediate adjustable shank G, which in this instance projects rearwardly from near the middle of the nose-piece E and carries at its other end the nose-piece F, which
90 I will term the "auxiliary" nose-piece. The nose-pieces and shank are formed of one integral piece H of metal. Preferably the nose-piece F extends in a plane substantially parallel with that of the other and is of lesser
95 length than the nose-piece E, preferably beginning at its lower portion about opposite the middle of the outer nose-piece and extending upwardly somewhat beyond the upper end thereof. The auxiliary nose-piece F
100 is preferably shorter than the forward nose-piece E, whereby the latter engages with a

considerable portion of the user's nose, while the engagement of the former is confined to a lesser portion thereof.

In the particular construction shown the two nose-pieces are constructed of an integral bar H, having a forward portion *a*, a rearward portion *b*, extending substantially parallel with its forward portion, and an intermediate shank G, preferably connected to the lower end of the portion *b* and to near the middle of the portion *a*, the shank being preferably constructed to permit the adjustment of the portion *b* relatively to the portion *a* by the bending of the shank. The usual shell-facings *e* and *f* are preferably provided on the outer faces of the portions *a* and *b*, where the nose-pieces are in contact with the nose of the user. The forward portion *a* of the bar H is here shown as constructed according to a well-known form, with the hole *c* adapted to receive the usual screw *d* for clamping it to the stud D at top and with the forked end *g* adapted to engage the edge of the lens at bottom, as heretofore; but any other suitable construction may be used. The portion *a* is constructed on its back face for direct attachment to the stud D of its lens and on its front face for direct connection to the usual shell or pad of a nose-piece, and the portion *b* is constructed on its front face for direct connection to its shell or pad *f*, whereby only one piece of metal is required for the several nose-pieces of each lens.

In use the glasses will be fitted to the nose of the user by the requisite relative adjustment of the nose-pieces E F of each lens, as heretofore.

It will be seen that my invention provides an improved nose-piece for eyeglasses and analogous devices of the class having a plurality of nose-rests, which can be easily availed of.

Fig. 5 shows a modification in which the shank G is at bottom of the nose-piece E and the lower end of the latter does not engage the lens.

What I claim is, in eyeglasses and analogous devices, the following-defined and novel features and combinations, substantially as hereinbefore set forth, namely:

1. The improved nose-piece for eyeglasses

or analogous devices, consisting of the substantially-flat metallic piece H, adapted to be connected to the glasses, having integral portion *a*, constituting the usual forward nose-piece, extending substantially in the plane of the lenses and constructed on its back face to be attached directly to the usual stud of the glasses and on its front face to be connected directly to the shell of the nose-piece, having the integral adjustable rearwardly-extending shank G projecting from said portion *a* and having the integral rearward portion *b* at the end of said shank, constructed on its front face to be connected directly to a shell and constituting an auxiliary nose-piece adapted to engage the nose of the user rearwardly of the plane of the lenses, whereby only one piece of metal is required for the usual and auxiliary nose-pieces of each lens of the glasses, substantially as and for the purpose set forth.

2. In eyeglasses or analogous devices, the lenses or lens-frames, their studs D, and the intermediate bridge connected thereto, in combination of a nose-piece for each lens, consisting of a substantially-flat metallic piece, as H, having an elongated forward portion *a* extending in the plane of the lens, constructed at the upper end of its back face to be connected directly to the stud of the glasses and on its front face to be directly connected to a facing *e* and constituting the usual front nose-piece E for engaging the front of the nose, a lateral shank, as G, integral with and projecting from the rear side of said portion *a* in substantially the same plane therewith, and a rearward portion *b*, integral with and projecting from said shank, extending substantially parallel with said portion *a*, constructed on its front face to carry a facing *f* and constituting an auxiliary nose-piece F, said portions *a*, G, and *b* all constructed of one integral piece, substantially as and for the purpose set forth.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

FRITZ G. SCHMIDT.

Witnesses:

GEORGE H. FRAZER,
FRED WHITE.