

No. 881,833.

PATENTED MAR. 10, 1908.

F. M. VANCE.
EYEGLASSES.

APPLICATION FILED FEB. 5, 1907.

Fig. 1.

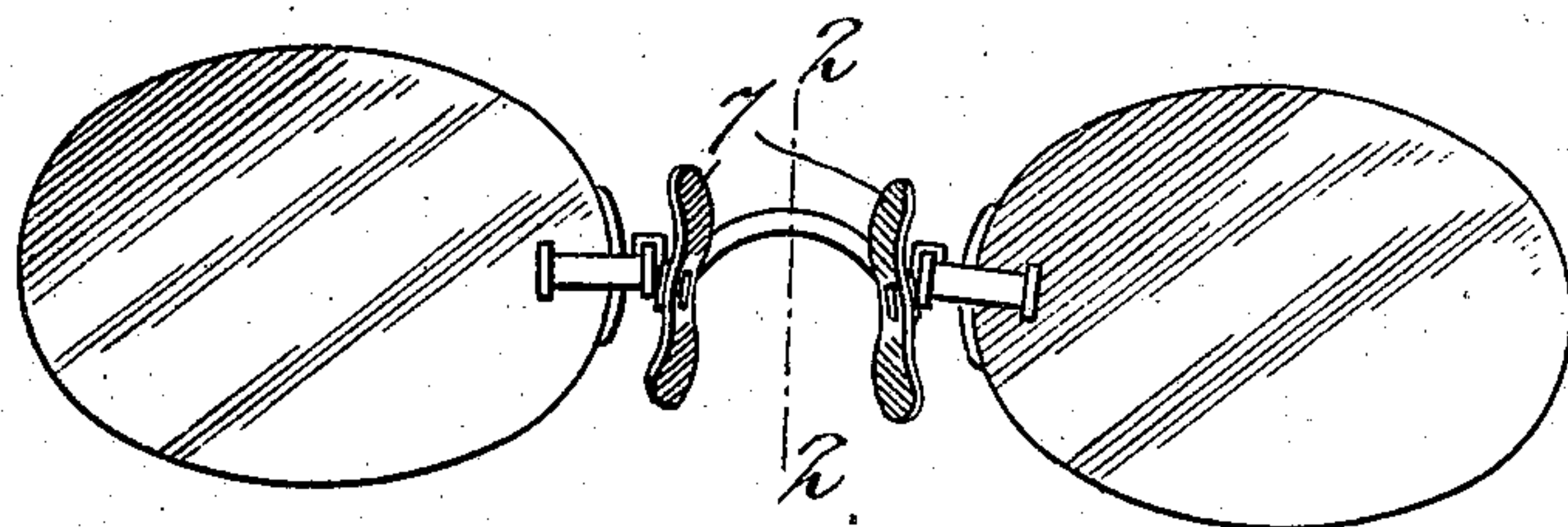


Fig. 2.

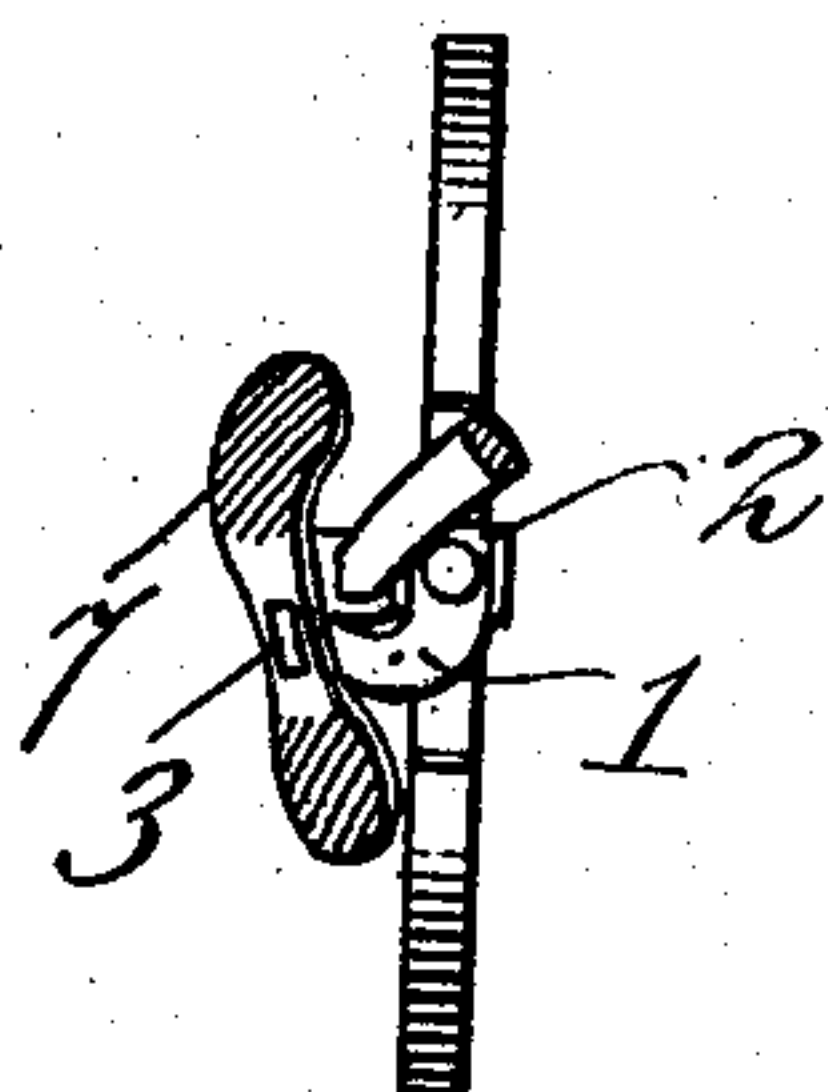


Fig. 3.

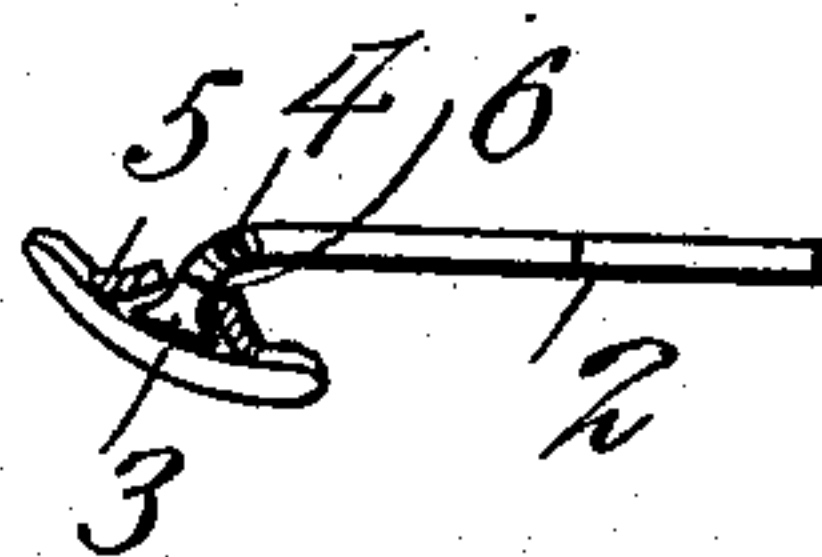


Fig. 4.

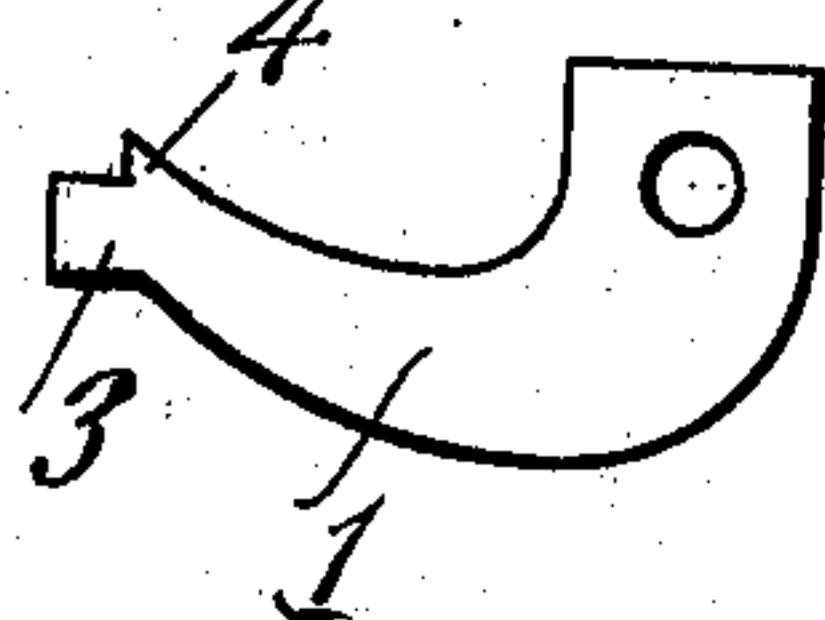
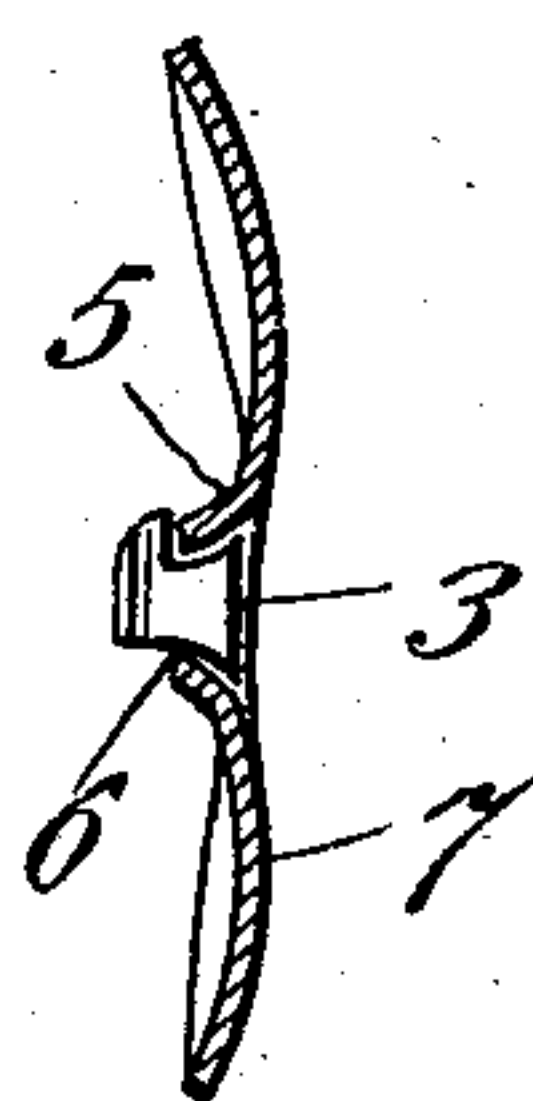


Fig. 5.



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UNITED STATES PATENT OFFICE.

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EYEGLASSES.

No. 881,833.

Specification of Letters Patent.

Patented March 10, 1908.

Application filed February 5, 1907. Serial No. 355,854.

To all whom it may concern:

Be it known that I, FRED M. VANCE, a citizen of the United States, residing at Geneva, in the county of Ontario and State of New York, have invented new and useful Improvements in Eyeglasses, of which the following is a specification.

The invention relates to an improvement in eyeglasses and particularly to a self-adjusting nose guard therefor, which will readily accommodate itself to irregularities of the nose of the wearer and properly secure the glasses in place.

The main object of the present invention is the production of a nose guard which is so connected to the guard plate as to provide for such independent movement of the guard as will permit it to accommodate itself to any irregularities of the nose of the wearer.

The invention will be described in the following specification, reference being had particularly to the accompanying drawings, in which:—

Figure 1 is a view in rear elevation of a pair of eyeglasses provided with my improved self-adjusting guard, Fig. 2 is an enlarged sectional view on the line 2—2 of Fig. 1, Fig. 3 is a detail view with the guard proper partly in section, illustrating the connection between the guard and guard plate, Fig. 4 is a view in elevation of a guard plate, Fig. 5 is an enlarged vertical section through the guard, the cooperating head of the guard plate being shown in place.

In carrying out the details of the present invention I make no material changes in the eyeglass, as at present constructed, beyond the particular arrangement of the nose guard, and, therefore, it is to be understood that the present invention is applicable to any form of eyeglasses using nose guards.

In its essential details the present invention comprises a guard plate or arm 1 designed to be secured to the post 2 of an ordinary eyeglass and projecting rearwardly therefrom to a proper length to terminally support the nose guards in proper position.

It is to be understood that the particular formation of the arm 1, with the exception of the guard receiving end is immaterial so far as the present invention is concerned, and said arms are to be so constructed and shaped as to provide for their proper application to avoid interference with any other portion of the eyeglass structure in the event such is necessary. The inner or free

terminals of each arm 1 are reduced in width to provide a head 3, the projection of the arm immediately in rear of the head forming an offset point or shoulder 4.

The nose guard, or more properly speaking the guard plate for supporting the pad is particularly formed to engage the head 3 of the arm, being for this purpose at a point approximating its midlength formed with a rectangular socket 5 offset from the plane of the plate. The socket is preferably formed by impressing the material of the plate under a suitable die, and the bottom of the socket is formed with a slot 6, of greater length and width than the similar dimension of the head 3 of the arm.

In assembling the parts the head 3 of the arm is passed through the slot 6 in the guard plate, and the free terminal of said head is upset beyond the bottom of the socket 5. The guard plate and arm are thus firmly secured against separation, while the operative dimensions of the openings 6 and the head 3 provide in effect a swivel connection between said guard plate and arm, whereby the guard plate is permitted such independent movement relative to the arm as would insure the accommodation of the guard plate to any irregularities of the nose of the wearer.

The connection of the arm and guard plate is particularly effective for the reason that there is no projection on the face of the guard plate to interfere with the pad, and said connection requires, after formation of the parts, simply the upsetting of the head of the arm.

As the connection provides practically unlimited self-adjustment of the nose guards; it is obvious that the effective holding of said guards will be materially increased, therefore, the invention tends to the production of a more effective securing means for the eyeglasses.

Having thus described the invention what is claimed as new, is:—

1. A nose guard for eyeglasses comprising a guard arm to be secured to the eyeglass structure, the terminal of the arm being cut away on its upper edge to form a head of less vertical dimensions than the arm terminal and to provide a projection from the upper edge of said terminal in rear of the head, and a guard plate to engage the arm, said plate being formed with a socket by offsetting the material of the plate, the socket being of greater dimensions than the similar dimen-

sions of the head, the projection serving to prevent movement of the upper portion of the guard plate toward the adjacent lens beyond the vertical.

- 5 2. A nose guard for eyeglasses comprising a guard arm to be secured to the eyeglass structure, the terminal of the arm being cut away on its upper edge to form a head of less vertical dimensions than the terminal and to
10 provide a projection from the upper edge of said terminal in rear of the head, and a guard plate to engage the arm, said plate being formed with a socket by offsetting the material of the plate, the upper portion of the

socket being adapted to bear against the pro- 15
jection of the head to limit movement of the plate in that direction, the lower portion of the socket being arranged for uninterrupted movement of the head, whereby the guard plate is prevented from tilting in one direc- 20
tion beyond the vertical, while free to tilt in the opposite direction.

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

FRED M. VANCE.

Witnesses:

GEO. A. PEEL,

EUGENE H. SWEENEY.