

(No Model.)

B. A. GILBERT.
EYEGLASSES.

No. 488,312.

Patented Dec. 20, 1892.

Fig 1.

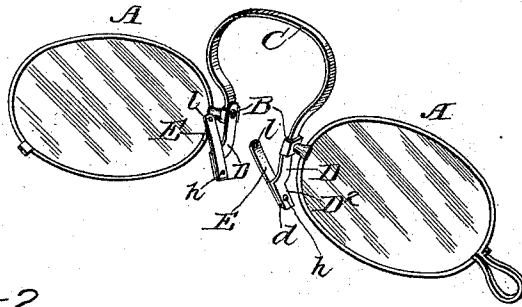


Fig 2.

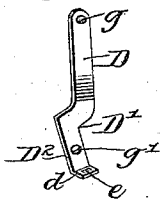


Fig 3.



Fig 4.

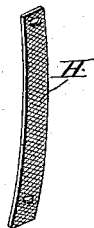
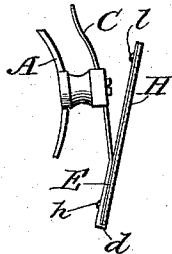


Fig 5.



Witnesses

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UNITED STATES PATENT OFFICE.

BENJAMIN A. GILBERT, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO THE
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EYEGLASSES.

SPECIFICATION forming part of Letters Patent No. 488,312, dated December 20, 1892.

Application filed August 12, 1892. Serial No. 442,921. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN A. GILBERT, residing in Boston, in the county of Suffolk and State of Massachusetts, have invented a
5 new and useful Improvement in Eyeglasses, of which the following is a specification.

This invention or improvement relates to that part of the eye-glass termed a nose-piece or guard, and to that class or style of
10 nose-pieces known as off-set nose-pieces or guards; the object of this style being to cause the nose-piece to clamp the nose well in toward the face and still allow the lenses to set off or forward from the eyes. It is
15 found in practice that off-set nose-pieces, as at present constructed, are too rigid and unyielding and hence have a tendency to hurt or cause discomfort to the nose. It is the object of my present improvement to obviate
20 this difficulty.

The nature of the invention is fully described below and is illustrated in the accompanying drawings, in which;

Figure 1 is a view in perspective, looking
25 from the rear, of a pair of eye-glasses embodying my invention; Fig. 2 is an enlarged perspective of one of the brackets which supports one of the inclined clamping springs, below described; Fig. 3 is an enlarged per-
30 spective of one of said springs; Fig. 4 is an enlarged perspective of the serrated surface-piece which in practice is secured to one of said springs; Fig. 5 is a vertical section showing the bracket, spring and surface-piece connected and in position.

Similar letters of reference indicate like parts.

A A represent the lens-holders, B B the supporting frames, and C the spring or bow, all
40 constructed substantially as usual.

D D are brackets secured at their upper ends by the screws in the ordinary manner to the two portions of the frame B. At D' each of these brackets makes a bend rear-
45 ward at an angle of about forty-five degrees, and from this latter portion the lower part D² bends downward at an angle of about ninety degrees, *i. e.* about forty-five degrees from the vertical line. The two bends just de-
50 scribed form an off-set which brings the lower part D² into the proper position to support the lower end of the springs E which forms the yielding member of the nose-clamp. It is to be understood, of course, that while the

preferable angles are thus specified, my in- 55
vention is not to be limited thereto. The flat spring E is rigidly secured by any suitable means to the bracket at its lower end, the means shown consisting of the projection E' which extends through the opening *e* 60
in the steps *d*, formed on the lower end of the bracket D and a rivet or screw *h*, which extends through the screw holes *g g'* in the spring and bracket respectively. When this
65 spring is secured to the bracket, as above described, its line of direction is substantially the same as that of the portion D² of the bracket. Hence as that portion points rear-
70 ward at an angle of about forty-five degrees, the spring points rearward at the same angle and extends beyond the portion D² of the bracket, at an angle to the portions D and D' thereof.

It is a thin serrated spring-plate screwed to the spring E by the screws *l* and *h* in the or- 75
dinary manner.

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

1. The combination with an eye-glass 80
frame of a nose-clamp comprising brackets as D D rigidly secured to and extending from the frame B and having a rearwardly bending portion D' and a downwardly bend-
85 ing lower portion D², said bends forming an off-set and the springs E rigidly attached at their lower ends to the parts D² of said nose-piece, their free ends extending upwardly substantially in the same line as the portion
90 D² of said brackets, said upper ends being free to accommodate themselves to the nose, substantially as described.

2. The combination with an eye-glass
frame of a nose clamp comprising brackets as D D rigidly secured to said frame and hav- 95
ing the part D' rearwardly bent and the part D² forward bent, said bent portions forming an off-set substantially as described, the space *d* formed upon the lower end of the portion D² and having a perforation therein; 100
and springs E rigidly secured to said portion D² by the tongue or projection E'; and a rivet or screw *h*, substantially as and for the purpose set forth.

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Witnesses:

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