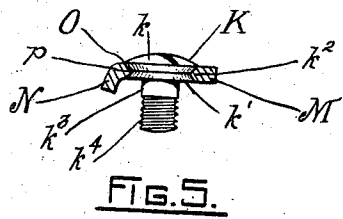
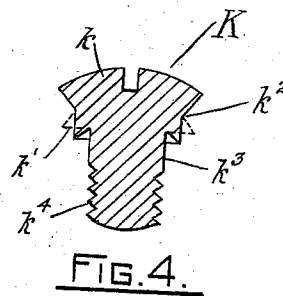
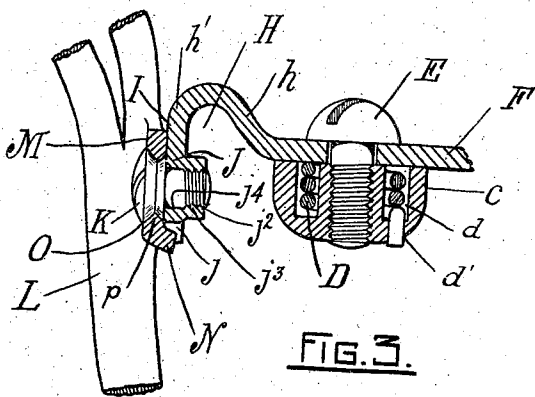
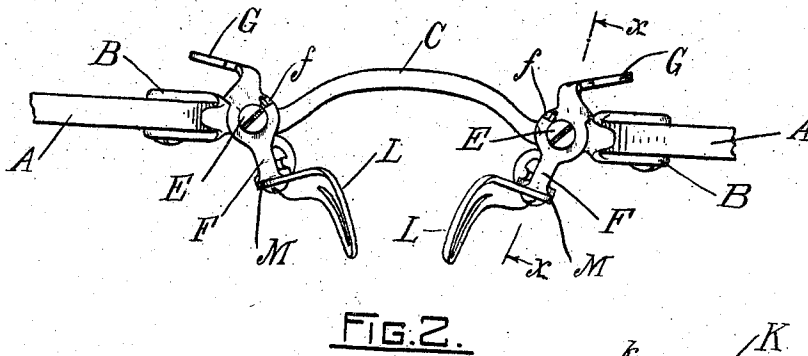
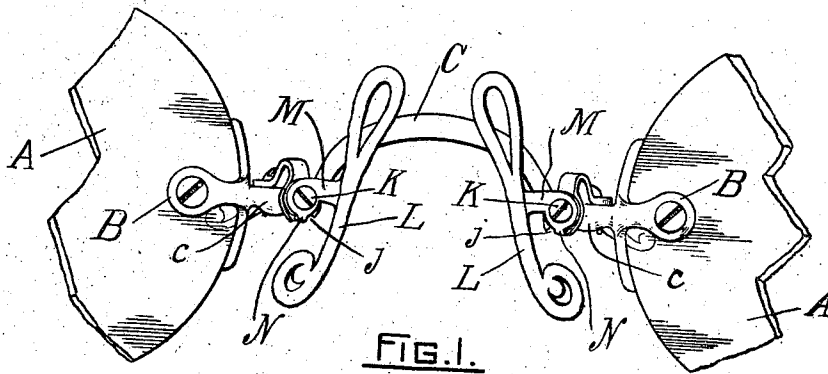


S. J. CLULEE.
EYEGLASSES.
APPLICATION FILED OCT. 3, 1910.

996,062.

Patented June 27, 1911.



WITNESSES.

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EYEGLASSES.

996,062.

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To all whom it may concern:

Be it known that I, STEPHEN J. CLULEE, a citizen of the United States, residing at Attleboro, in the county of Bristol and State of Massachusetts, have invented certain new and useful Improvements in Eyeglasses, of which the following is a specification.

My invention relates to eyeglass mountings of the swinging guard arm type, and its essential objects are to provide a convenient and efficient means for adjusting the guard relatively to the plane of the lenses, also transversely thereto; to provide a simple device for interlocking the guard and arm and which will prevent excessive rotary travel of the guard relatively to the arm; to enable the guard and arm to be tightened after continued wear without binding the parts, and to facilitate the assemblage and connection of the guard and arm.

To the above ends primarily my invention consists in the construction, combination, and mode of operation of parts set forth in and falling within the scope of the claims hereto appended.

In the accompanying drawings which form a part of this specification, Figure 1 is a rear elevation of a pair of eyeglasses embodying my invention, showing the lenses partially broken away, Fig. 2, a plan view of the same, Fig. 3, a section taken on line *x x* of Fig. 2, Fig. 4, a vertical section of the screw in original form, showing in broken lines its final form, and Fig. 5, a side elevation of the screw with the guard ear shown in section.

Like reference characters indicate like parts throughout the views.

In the drawings A represents the lenses; B, the straps; and C, the rigid bridge of a pair of eyeglasses provided preferably with enlarged supporting portions *c* at its ends. Each portion *c* is provided with an annular recess *d* to receive an operating spring D whose lower end is fixed in a cavity *d'* in the bottom of the support. In each portion *c*, concentric with the recess *d* is a screw or pivot post E which holds in position a swinging lever or arm F of flat bendable material, provided with a cavity *f* to receive the upper end of the spring D, and having upon its forward end an integral handle or finger piece G. The arm F rests upon the flat upper face of the portion *c*, and in a rearward direction is bent upwardly and

above the plane of said face, as at *h*, and then downwardly, as at *h'*, forming a vertical loop H opening downwardly. The vertical portion I of the arm terminates in a curved portion J provided with an arcuate peripheral slot *j* at its lower extremity. The portion J is provided with an opening *j'* having a portion of its length toward the lenses threaded as at *j''*, and its other end smooth as at *j'''*, which opening receives a screw K. The portion J is herein shown as of greater thickness than the remainder of the arm in order to accommodate a long screw shank, but this is not essential. In detail this screw comprises a head *k* having a flat bottom face *k'* and an annular V shaped groove *k''* in its side. The screw shank has a smooth upper portion *k'''* and threads *k''''* upon its lower portion, the whole adapted to enter the opening *j'*.

Each guard L has intermediate its length an ear M of curved outline provided with an intumed marginal lug or projection N adapted to register in the slot *j*, and has also a circular opening O having a double taper which is formed by an annular V shaped rib *p* within the opening registering in the V shaped groove *k''* of the screw head. The ear M is slidable or rotatable around the head of the screw, and the face *k'* of the latter is in the plane of the inner face of the ear M.

A convenient method of uniting the described screw head with the member M is illustrated in Fig. 4. The original form of the head is therein shown in full lines, and its final form, produced by a swaging tool, shown in broken lines.

The operation of the guards is performed in the usual well known manner and need not be described.

The upwardly directed loop not only affords ample material and space for adjustment of the guards in all directions but locates the bend above the plane of the supporting portion of the bridge where it is readily accessible for adjustment.

The peculiar construction of the screw K makes its head a permanent part of the member M, although loose therein, thus facilitating the assembling of the parts, by making it no longer necessary for the operator to simultaneously control three separate parts while inserting the screw. Furthermore, the smooth portion of the opening *j'*

serves to automatically guide the screw to its threaded portion without danger of crossing threads and prevents the screw from dropping out during adjustment. The lug N has limited rotary movement in the slot 5 γ which allows the guard L to accommodate itself to a degree to the nose. If, however, it is desired that the guard be rigid relatively to the arm F the opening γ may be 10 made of a dimension only sufficient to tightly receive the lug N.

What I claim is,—

1. In an eyeglass mounting, the combination with a bridge provided with an end support, and a guard having a bendable ear, 15 of an operating arm pivotally mounted upon the support transversely thereof and provided at the rear of the support with a vertically-disposed downwardly opening loop adjacent its pivot and bendable for adjustment 20 of the guards toward and away from the plane of the lenses, the end of said loop being pivoted to said ear.
2. In an eyeglass mounting, the combination with a bridge provided with an end support, and a guard having a bendable ear, 25 of an operating arm pivotally mounted upon the support transversely thereof and provided at the rear of the support with a vertically-disposed downwardly opening loop having its bend above the plane of the supporting portion of the bridge the end of 30 said loop being pivoted to said ear and a nose guard adjustable in a vertical direction edgewise of the stock.
3. In an eyeglass, the combination with a bridge provided with an end support, of an operating arm pivotally mounted upon the support transversely thereof, said arm 40 in a rearward direction being bent upwardly and thence downwardly forming a vertical loop opening downwardly, said loop being adjacent the pivot of said arm, nose guard, and a bendable ear upon the guard pivotally 45 attached to the downwardly extended portion of said loop.
4. In an eyeglass mounting, the combination with the bridge provided with an end support, of an operating arm pivotally 50 mounted upon the support crosswise thereof and extending upwardly above the face of the support and at the rear thereof, and then directed downwardly forming a vertically disposed bendable loop adjacent its 55 pivot, a nose guard mounted on the downwardly extended portion of said loop and a bendable ear upon the guard attached to the rear face of the downwardly extending portion of the operating arm outside the loop.
5. In an eyeglass mounting, the combination with the bridge provided with an end support, of an operating arm pivotally 60 mounted upon the support transversely thereof and provided at its rear end with a vertical bearing portion, said bearing portion

being provided with a slot, a nose guard, an ear upon the guard bearing against and overlapping the bearing portion, a lug upon the ear and projecting at right angles therefrom and registering in the slot, and a pivot member connecting the ear and the bearing portion. 70

6. In an eyeglass mounting, the combination with the bridge and support, of an operating arm pivotally mounted upon the support transversely thereof provided with a vertical bearing portion upon its rear end, and with an intermediate vertical looped portion, said bearing portion being provided 75 with a slot, a nose guard, an ear upon the guard resting against the rear face of the bearing portion, a lug upon the ear and projecting at right angles therefrom and registering in the slot, and a pivot member connecting the ear and the bearing portion. 80 85

7. In an eyeglass mounting, the combination with a support, of an operating arm pivotally mounted upon the support and provided with a vertical end portion, said portion being provided with an opening, a nose guard, 90 an ear on the guard provided with an opening having an internal annular rib, and a pivot member comprising a head journaled in the second opening and provided with an annular channel adapted to receive the rib, and 95 a shank fixed in the first mentioned opening.

8. In an eyeglass mounting, the combination with the bridge provided with an end support, of an operating arm pivotally mounted upon the support transversely 100 thereof and provided at its rear end with a bearing portion, said bearing portion being provided with a slot, a nose guard, an ear upon the guard bearing upon and overlapping the bearing portion, a lug upon the ear and projecting at right angles therefrom 105 and registering in the slot, and a pivot member connecting the ear and the bearing portion.

9. In an eyeglass mounting, the combination with a support, of an operating arm pivotally mounted upon the support and provided with an end portion, said portion being provided with an opening, a nose guard, an ear on the guard provided with 110 an opening having an internal annular rib, and a pivot member comprising a head journaled in the second opening and provided with an annular channel adapted to receive the rib, and a shank fixed in the 115 120 first mentioned opening.

10. In an eyeglass mounting, the combination with a support, of an operating arm pivotally mounted upon the support and provided with an opening having an outer 125 unthreaded portion and an inner threaded portion, a nose guard, an ear on the guard provided with an opening having an internal annular V shaped rib, and a pivot member comprising a head journaled in the 130

second opening and provided with an internal V shaped channel in which said rib registers, and a shank in the first mentioned opening provided with threads engaging the threaded portion of the opening.

11. In an eyeglass mounting, the combination with an operating arm having an end portion provided with an opening, a nose guard, an ear on said guard provided with an opening having an internal rib, a pivot member having a portion journaled in the second opening and provided with a channel receiving said rib and a shank fixed in the first-named opening.

12. In an eyeglass mounting, a pivotally mounted operating arm having an opening, a nose guard, an ear on the guard provided with an opening having a rib, and a pivot member having a portion journaled in the second opening and adapted to receive the rib and a shank fixed in the first-mentioned opening.

In testimony whereof I have affixed my signature in presence of two witnesses.

STEPHEN J. CLULEE.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
