(No Model)

A. L. GREENE.

SPECTACLES.

No. 582,585. Patented May 11, 1897.

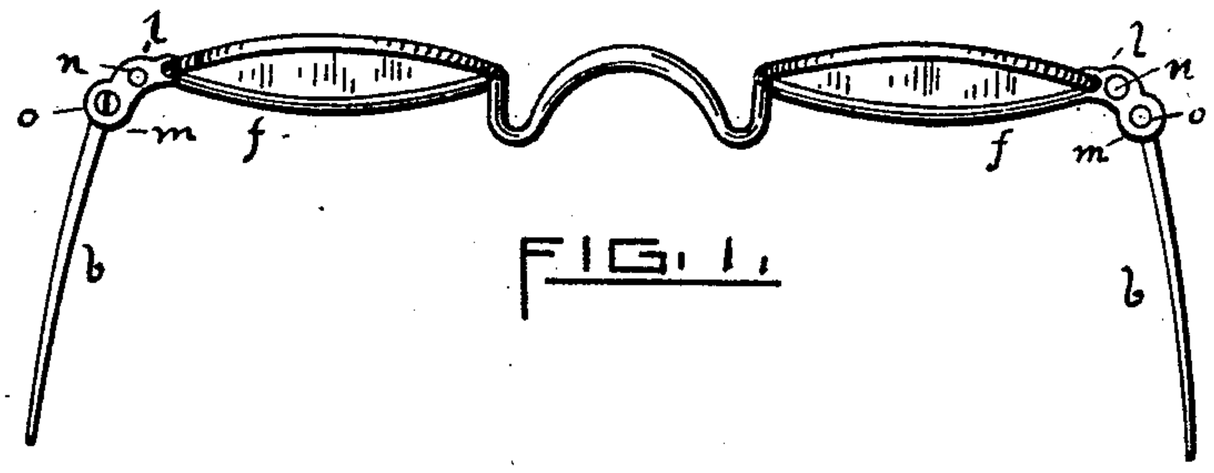

FIG. 1.

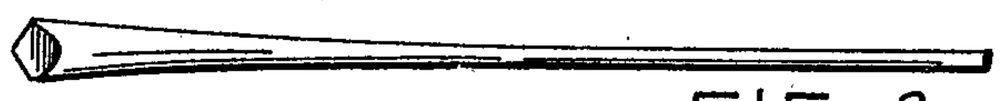

FIG. 2.

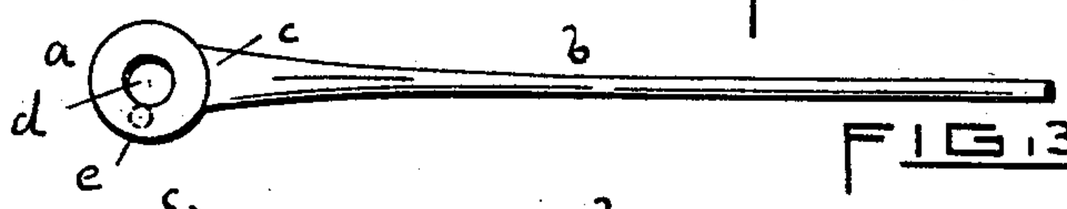

FIG. 3.

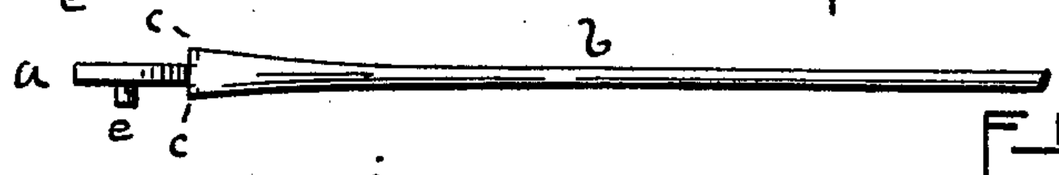

FIG. 4.

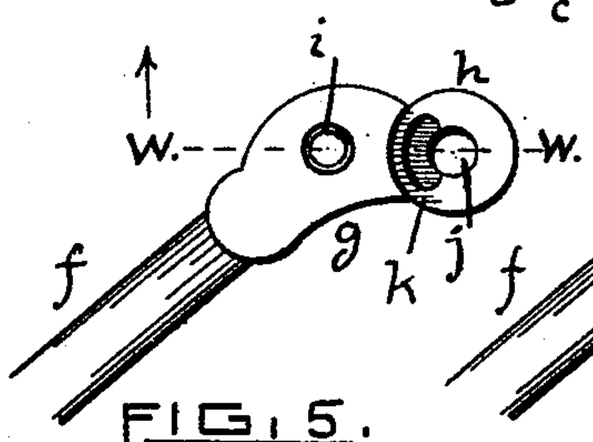

FIG. 5.

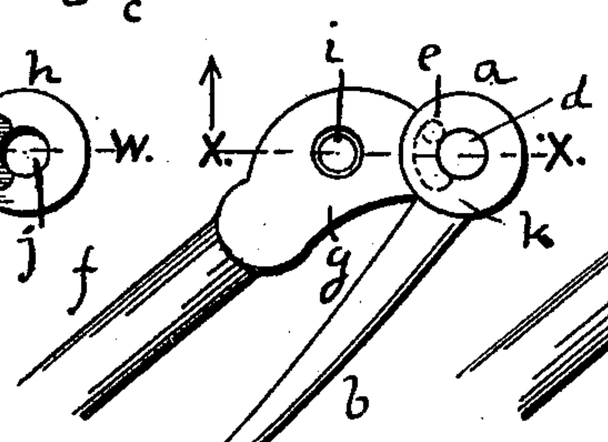

FIG. 7.

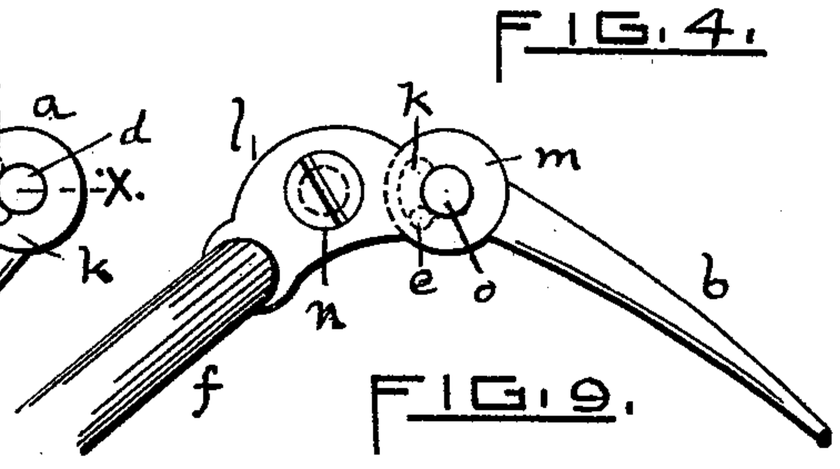

FIG. 9.

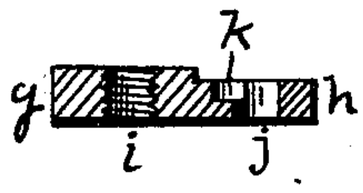

FIG. 6.

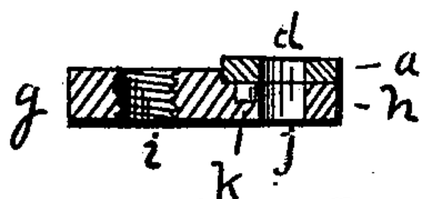

FIG. 8.

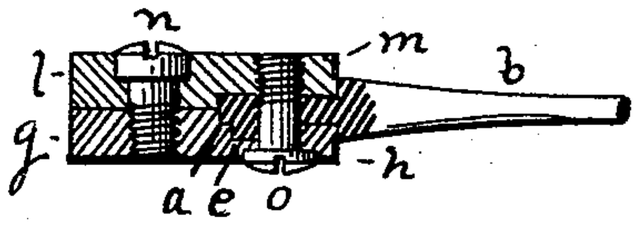

FIG. 10.

WITNESSES.

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SPECTACLES.

SPECIFICATION forming part of Letters Patent No. 582,585, dated May 11, 1897.

Application filed March 26, 1896. Serial No. 584,910. (No model.)

To all whom it may concern:

Be it known that I, ALBERT L. GREENE, of the town of Cranston, in the county of Providence, in the State of Rhode Island, have invented a certain new and useful Improvement in Spectacles; and I declare the following to be a specification thereof, reference being had to the accompanying drawings.

Figure 1 is a top plan view of my invention. Fig. 2 is a side elevation of a piece of wire swaged in a tapering form from which the temple is made. Figs. 3 and 4 are respectively a top plan and a side elevation of the temple constructed according to my improvement. Fig. 5 is a plan view of the upper or inner surface of the lower earpiece of the eye-rim, and Fig. 6 is a section of the same as seen on line *w w* of Fig. 5. Fig. 7 shows in plan view the parts illustrated in Fig. 5 with the temple in position thereon, and Fig. 8 is a sectional view of the same, as seen on line *x x* of Fig. 7. Fig. 9 is an enlarged view of my invention in top plan. Fig. 10 is a view of my invention in central cross-section lengthwise of the earpieces.

Like letters indicate like parts.

My invention relates to the temples of spectacles; and it consists in the formation of the temple with an end circular in shape, centrally perforated, and provided with a stud, in combination with the earpieces of the eye-rims, the lower of said earpieces being made with an arc-shaped channel or groove on its upper (or inner) side, in which channel or groove the stud of the temple moves when the temple is pivoted to said earpieces, as hereinafter particularly described.

In the drawings in Fig. 2 I show the form of the stock from which my improved temple is made. It is a wire swaged into a tapering shape at and near one end thereof. The thick end of said wire is formed by a suitable die and plunger into a circular disk shape *a*, leaving the temple *b* with the shoulders *c c*, whose edges are at a right angle with the disk portion *a*, but lie in an arc of the circular edge of said disk, as fully shown in Figs. 3 and 4. The disk portion *a* is centrally perforated, as seen at *d*, and a short stud or pin *e* extends at a right angle therefrom close to the opening *d*, as indicated in Figs. 3 and 4.

In Fig. 5 I show the lower curved portion of an eye-rim *f*, to which is soldered the usual lower earpiece *g*, having the usual circularly-shaped extension-piece *h* integral therewith. The earpiece *g* has a screw-threaded hole *i*. The extension-piece *h* is somewhat thinner than the earpiece *g*, as seen in Fig. 6, and has a central aperture or hole *j* with a smooth bore. Said extension-piece *h* also has an arc-shaped channel or groove *k* ninety degrees in extent formed in the upper (or inner) side of said extension-piece *h*.

In Figs. 7 and 8 is shown the lower earpiece *g* with the circular disk *a* of the temple in position upon the extension-piece *h*, the holes *d* and *j* thereof, respectively, being in line with each other and the stud *e* of the disk *a* in the channel or groove *k* of the extension-piece *h*.

In Fig. 9 I show the upper curved portion of an eye-rim *f*, to which is soldered the usual upper earpiece *l*, having a hole with a smooth bore. The upper earpiece *l* has the circularly-shaped extension-piece *m*, with a screw-threaded hole therein. The earpiece *l* is somewhat thicker than the extension-piece *m*. The earpieces *g l* are closed and clamped by the screw *n*, and the extension-pieces *h m* are closed and clamped by the screw *o*. The disk portion *a* of the temple lies between the extension-pieces *h m*. The screw *o* serves as a pivot on which the temple turns.

When the temple is closed down to the eye-rim, as in Fig. 7, the stud *e* is at one end of the curved slot or groove *k*, as indicated in said figure in dotted lines, and when the temple is extended to the wearing position, as in Fig. 9, the stud *e* is at the opposite end of said slot.

It has been usual in spectacles as heretofore made to form a sharp prong or ridge from the hinge portion of the temple to act as a stop when the temple is opened to the wearing position, which stop strikes against a shoulder on the exterior edge of the earpiece to limit the outward movement of the temple. Such sharp points or ridges are apt to catch in the cloth or fabric of the pocket and so to fray and wear the same, and also to scratch the skin when the spectacles are carelessly handled. In my improved construction this prong or ridge is entirely dispensed with. My stud-pin *e* serves as the stop and by its

contact with the ends of the curved slot or channel *k* limits the movement of the temple on its hinge or pivot. The stud-pin and channel are on interior surfaces and wholly concealed from sight and can do no damage and do not affect the appearance of the article. The edges of the earpieces and extension-pieces are smooth, continuous, and symmetrical.

I claim as a novel and useful invention and desire to secure by Letters Patent—

In spectacles, the combination of the temple *b*, made with the shoulders *c*, *c*, and having at its end the centrally-perforated disk *a*, the latter being provided with the stud *e*, which projects at a right angle therefrom on one side and near the central perforation, the eye-rim *f*, having the centrally-perforated lower end piece *g* with a centrally-perforated extension-piece *h* thereon, which is slightly thinner than the end piece *g* and which has on its upper side a curved groove or channel and the centrally-perforated end piece *l* of said eye-rim with a centrally-perforated extension-piece *m* thereon, the latter being slightly thinner than the end piece *l*, the pivot-screw passing through both extension-pieces *h*, *m*, and through the disk *a* in the perforations thereof, and the clamping-screw *n*, passing through the perforations of the end pieces *g* and *l*, substantially as specified.

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