G. W. MEIGS.

EYE-GLASSES.

No. 185,342. Patented Dec. 12, 1876.

Fig. 2

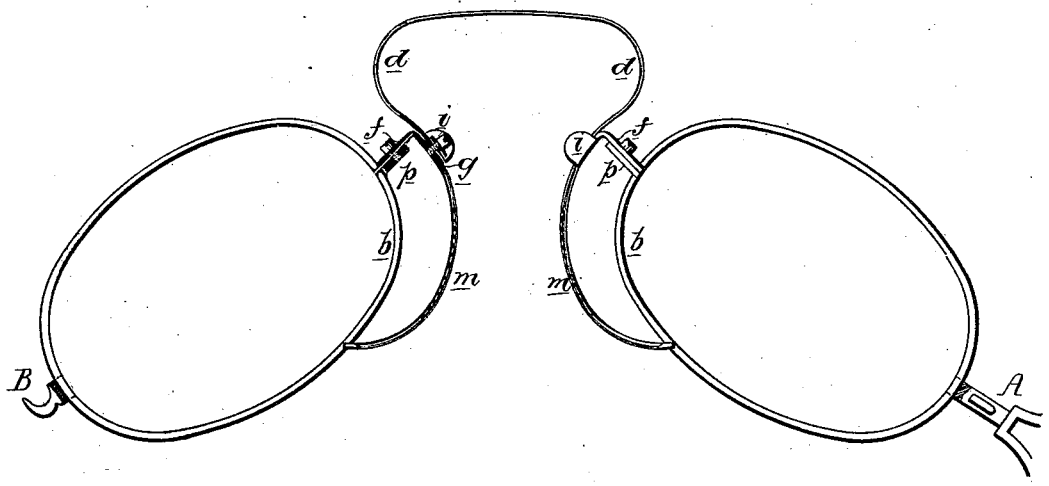



Fig. 3

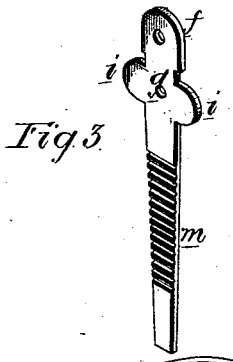



Fig. 4

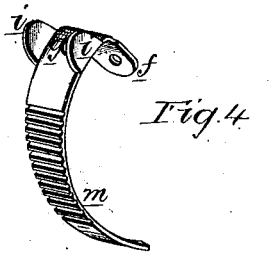
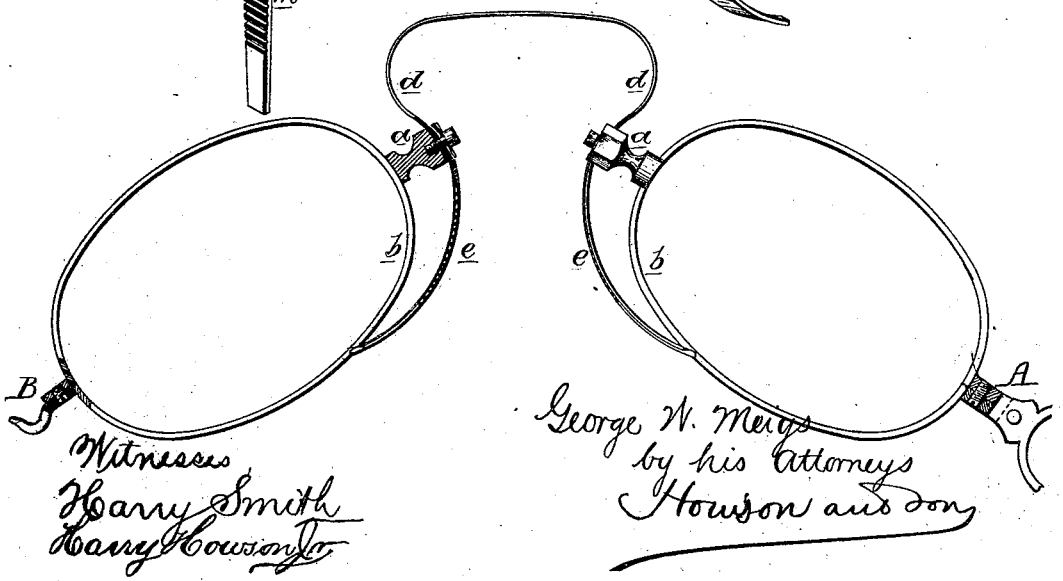



Fig. 1




Witnesses
Harry Smith
Harry Howson Jr.

George W. Meigs
by his Attorneys
Howson and Son

# UNITED STATES PATENT OFFICE

GEORGE W. MEIGS, OF READING, PENNSYLVANIA, ASSIGNOR TO THOMAS A. WILLSON, GILE J. WILLSON, AND CLEMENT B. BISHOP, OF SAME PLACE.

## IMPROVEMENT IN EYEGLASSES.

Specification forming part of Letters Patent No. **185,342**, dated December 12, 1876; application filed July 24, 1876.

*To all whom it may concern:*

Be it known that I, GEORGE W. MEIGS, of Reading, Pennsylvania, have invented certain Improvements in Eyeglasses, of which the following is a specification:

The object of my invention is to effect a saving of time, cost, and labor in the manufacture of eyeglasses; and this object I attain in the manner which I will now proceed to describe, reference being had to the accompanying drawing, in which—

Figure 1 is an enlarged view of a pair of eyeglasses, showing the ordinary method of constructing the same; Fig. 2, an enlarged view illustrating my improvement, and Figs. 3 and 4 views illustrating different steps in the manufacture.

In eyeglasses as usually constructed, a stud, *a*, is secured to the inner portion of each frame *b*, and to these studs are then fastened the opposite ends of the spring *d*, and the upper ends of the curved nose-pieces *e*, the lower ends of the latter bearing against the frames, as in Fig. 1. This mode of manufacture is objectionable, partly on account of the cost of the studs and the inconvenience of applying the same, and partly because they must be attached to the solid portion of the frame *b*, thus necessitating elaborate and expensive screw-joints at the handle A and catch B, as shown in Fig. 1.

I obviate the objection in the following manner: I first stamp from a piece of sheet metal a strip of the form shown in Fig. 3, having a head, *f*, a neck, *g*, ears *i i*, and a shank, *m*, the latter being serrated or roughened on the face in the same manner as an ordinary nose-piece. If desired, the holes for the fastening-screws may also be formed by this operation. The shank *m* is then bent round, the head *f* turned down, and the ears *i i* turned up, as shown in Fig. 4, when the strip is in condition for attachment to the spring *d* and frame *b*. To effect this attachment, the head *f* is first secured to one end of the wire which forms the frame *b*, and a strip, *p*, is secured to the opposite end of the same, the two being then secured together by a set-screw or other suitable means. The end of the nose-piece *m* is then bent round until it bears against the frame *b*, and the end of the spring is fitted between the ears *i i*, and secured by a set-screw.

By this means the solid portion of the frame *b* is brought upon the outside, so that a handle, A, and catch B, of a simple character—such as may be easily stamped from a sheet-metal plate—can be secured to the same by soldering or brazing, as shown in Fig. 2.

Irrespective of the saving of time and labor effected by my invention, the device itself is strong, neat, and durable, and can be manufactured at a cost but little, if any, greater than the ordinary nose-piece *m*.

In some cases the ears *i i* may be dispensed with, and the lateral steadiness of the spring *d* insured by the securing-screw alone.

I do not desire to claim eyeglasses the glass-frames of which have their joints where they are connected to the bridge-spring; but

I claim as my invention—

The combination, in a pair of eyeglasses, of the spring *d*, and the frame *b*, and its strip *p*, with a nose-piece having a shank, *m*, a neck, *g*, for attachment to the end of the spring, and a head, *f*, for attachment to the frame *b* and its strip *p*, all substantially as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GEORGE W. MEIGS.

Witnesses:

PEARSON YEAGER,

A. K. STAUFFER.