

(No Model.)

G. JOHNSTON.

EYEGLASSES.

No. 271,712.

Patented Feb. 6, 1883.

Fig. 1.

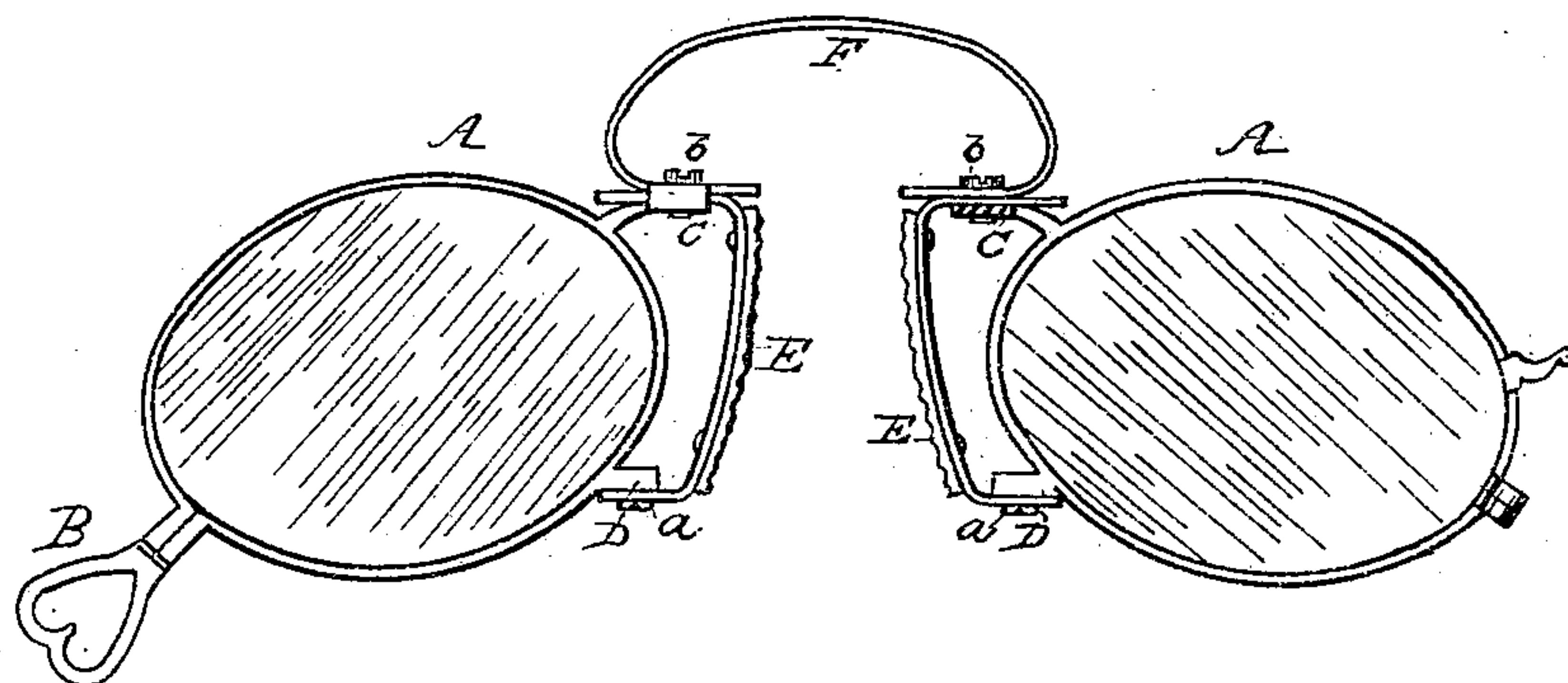
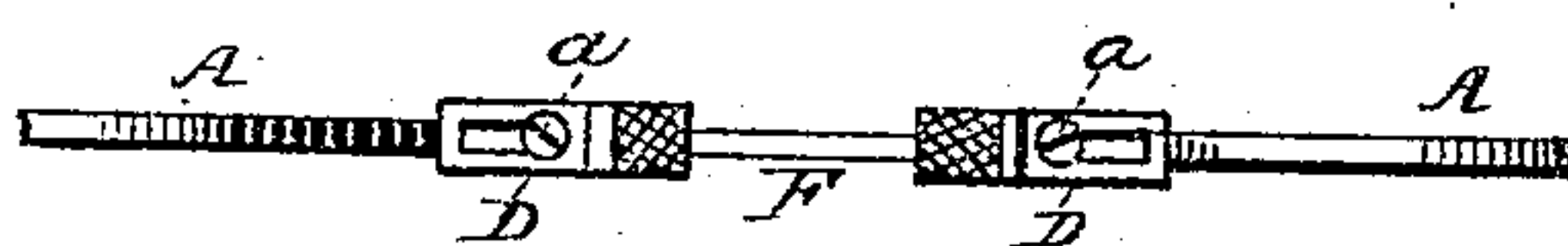


Fig. 2.



Fig. 3.



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EYEGLASSES.

SPECIFICATION forming part of Letters Patent No. 271,712, dated February 6, 1883.

Application filed October 18, 1882. (No model.)

To all whom it may concern:

Be it known that I, GEORGE JOHNSTON, of Detroit, in the county of Wayne and State of Michigan, have invented new and useful Improvements in Eyeglasses; and I hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, which form a part of this specification.

The nature of this invention relates to certain new and useful improvements in the construction of that class of optical instruments known as "eyeglasses," by means of which a ready adjustment may be obtained of the parts which secure the instrument to the nose of the wearer without producing undue pressure at any point, as the adjustments are obtained at both ends of the nose-pieces in order to adjust such nose-pieces to any peculiar form or size of nose. Another adjustment is had by the peculiar construction and operation of the spring, by which a pupillary adjustment is obtained without difficulty.

Figure 1 is a front elevation of my improved eyeglass, partly broken away; Fig. 2, a plan with the spring broken away. Fig. 3 shows the manner of securing the adjustability at the lower end of the nose-pieces.

In the accompanying drawings, which form a part of this specification, A represents the bows, and B the handle, of a pair of nose-glasses of the ordinary construction. To each bow is secured a stud, C, above and another stud, D, below, as shown.

E are the nose-pieces, the coincident faces of which are roughened in any of the known ways. The upper ends of each of these nose-pieces turn outwardly, and are provided with a slot; and these ends of the two nose-pieces rest upon the upper face of the studs C, or in channels cut therein. The lower ends of the nose-pieces also turn outwardly, and are slotted, as shown, and a small set-screw, *a*, secures these lower ends to the lower studs, D, by passing through the slots in the same into the studs, so that by loosening this screw any adjustability of the nose-piece may be had and secured by refastening the screw.

The ends of the spring F are reslotted, as shown, and each rests upon the upper outwardly-turned end of the nose-pieces, and the screws *b*, one passing through the slot in one end of the spring and then through the coincident slot in the upper end of the nose-piece, adjustably secure these two parts to the upper stud, while the other screw *b* secures the opposite ends of the spring and other nose-piece to the stud on the coincident bolt.

It will be seen by this construction that flat noses and broad noses, noses with nearly-vertical side walls, or with those much more inclined, can readily be fitted by means of these adjustments without cause of any undue pressure upon any part, while the adjustments of the spring will allow for the pupillary adjustment, as may be required. By this construction it will be observed that the nose-pieces at their upper extremities and the spring-bow F are adjusted by a single device, *b*, and that said pieces are adjusted below by a separate device, *a*.

What I claim as my invention is—

1. A nose-glass wherein the bows are provided with nose-pieces which are adjustable at both ends, substantially as and for the purposes set forth.

2. In a nose-glass, the combination of roughened nose-pieces having outwardly-bent ends, slotted as shown, and the spring having slotted ends, with the bows having extending lugs above and below, and the adjustable securing means *a b*, the latter serving the function of adjustably securing both the spring and nose-pieces to the bows, as specified.

3. In a nose-glass, the combination of the bows A, having lugs C D, the nose-pieces E, having outwardly-bent slotted ends, and the spring F, having slotted ends, with the screws *a b*, and the whole adapted to serve adjustably, as and for the purposes set forth.

GEO. JOHNSTON.

Witnesses:

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CHAS. J. HUNT.