

(No Model.)

N. CLOUTIER.
SPECTACLES.

No. 598,908.

Patented Feb. 15, 1898.

Fig. 1.

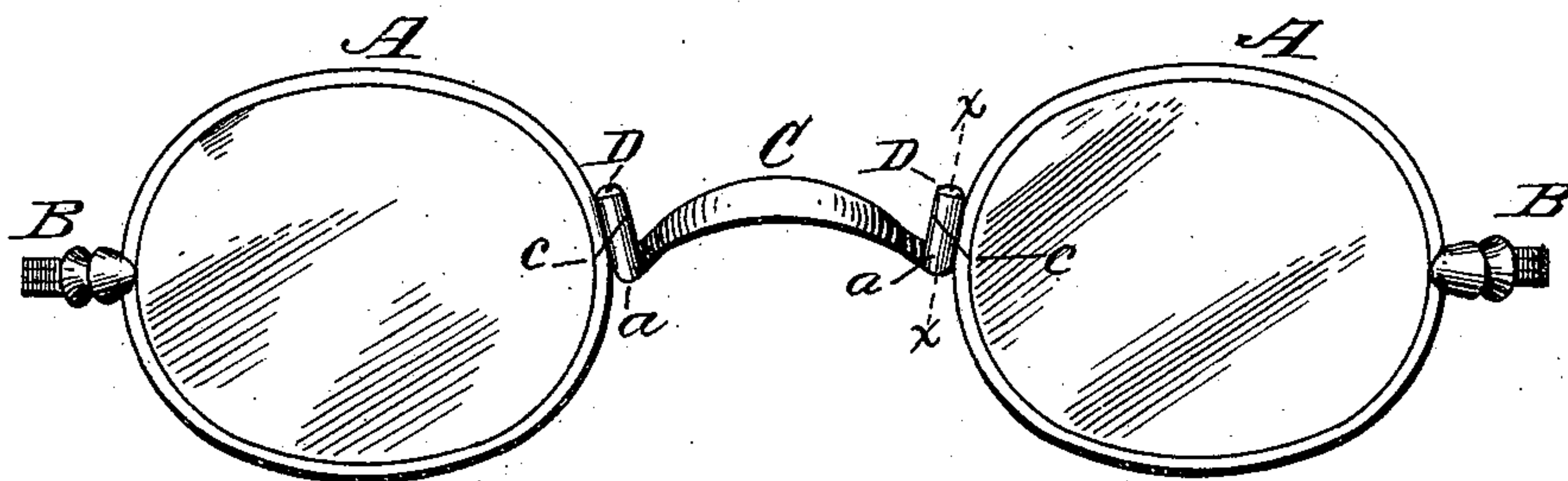


Fig. 2.

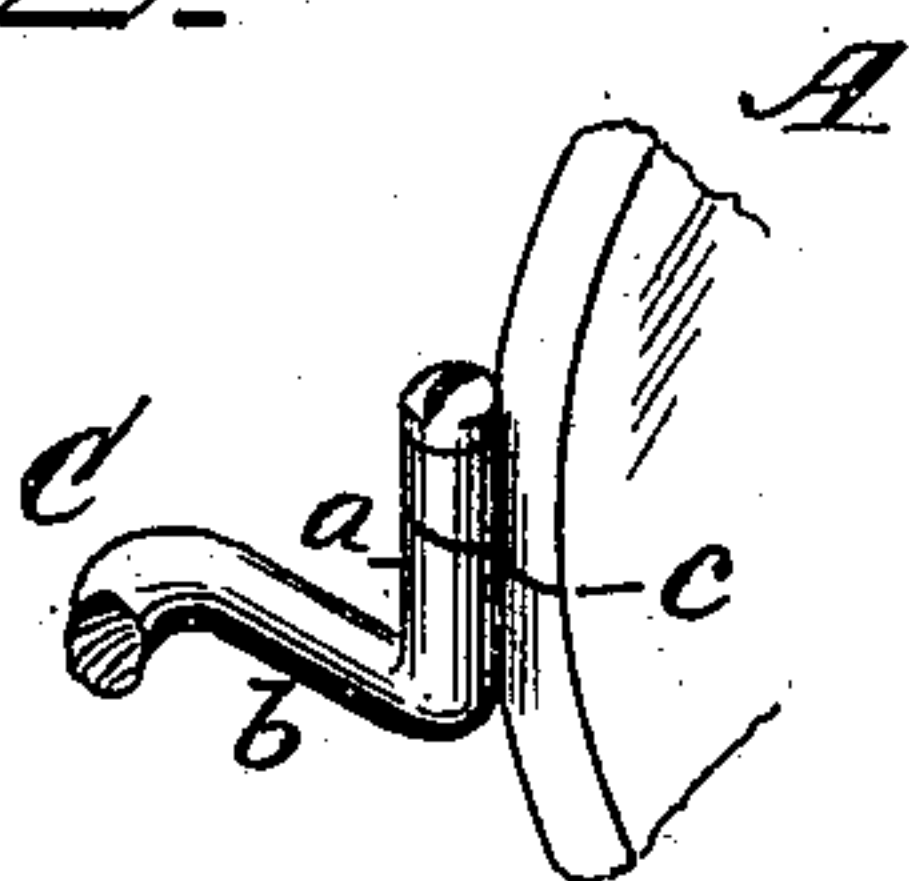


Fig. 3.

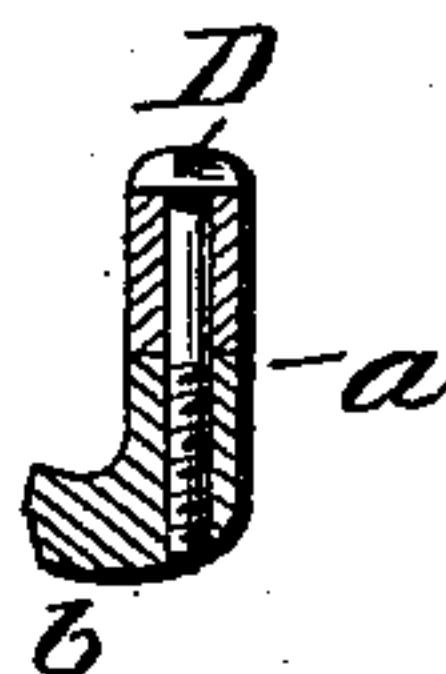
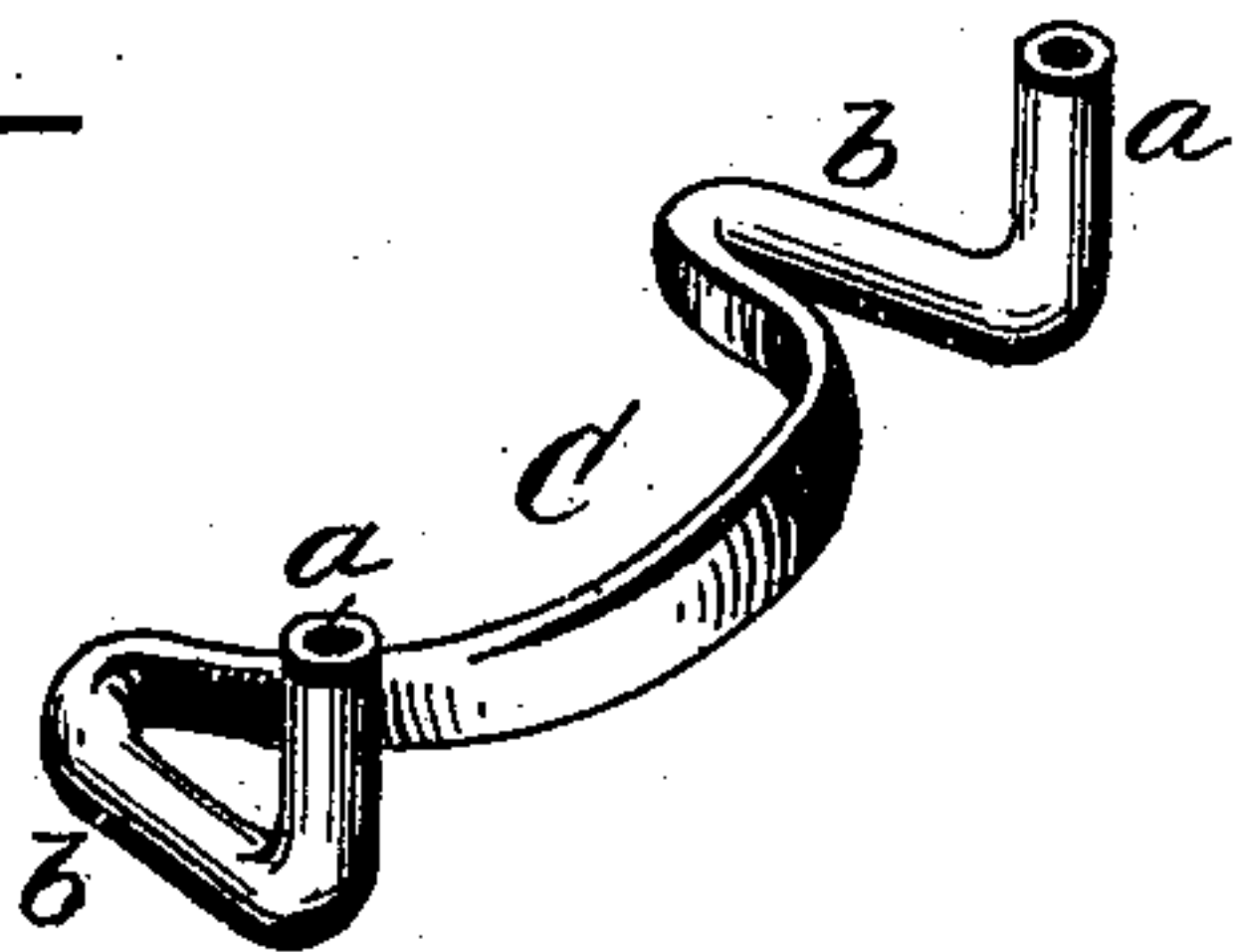


Fig. 4.



Witnesses
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SPECIFICATION forming part of Letters Patent No. 598,908, dated February 15, 1898.

Application filed July 7, 1897. Serial No. 643,706. (No model.)

To all whom it may concern:

Be it known that I, NOË CLOUTIER, a citizen of the United States, residing at Attleborough, in the county of Bristol and State of Massachusetts, have invented certain new and useful Improvements in Spectacles; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

The present invention has relation to that class of spectacles and eyeglasses in which provision is made for the ready removal of a lens when broken and replacing it with a new one. The ordinary method employed by which the lens may be released and removed from the frame was to split the frame and connect the ends together by means of a screw, whereby the jointed ends could be released by turning the screw in the proper direction, so that the frame would expand and allow the removal or insertion of the lens.

It is the object of the invention to provide a bridge that is complete in itself for the above purpose and that can be placed upon the market and sold to the trade ready for attachment to the lens-frames, after which the bridge and the lens-frame, where they join together, may be separated by cutting through the same, and thus provide a frame that can be expanded to remove the lens and contracted around the same when inserted in the frame.

The above object is attained by a bridge constructed substantially as shown in the drawings and hereinafter described and claimed.

Figure 1 of the drawings is a front view of a pair of spectacles with my improved bridge connected thereto; Fig. 2, a detail view on an enlarged scale, showing the joint between the bridge and frame; Fig. 3, a detail sectional view of the jointed end of the bridge, taken on line $x x$ of Fig. 1; Fig. 4, a detail view in perspective of the complete bridge with the screws removed.

In the accompanying drawings, A represents the two lens-frames of a pair of spectacles, having connected thereto in the usual manner the temples B. These parts may be

of the usual construction, the invention residing wholly in the construction of the bridge C. This bridge is formed with tubular posts a , which join the arms b , said arms extending outwardly and substantially horizontal, and the posts extend upwardly, as shown in Fig. 4 of the drawings. The posts a have an interior screw-thread only a portion of their distance, the upper portion of the posts being smooth upon the interior, as shown in Fig. 3 of the drawings. The purpose of this short screw-thread is to prevent the threads from being injured when cutting through the posts, the cut being through that portion of the post above the screw-threads. An adjusting-screw D, with screw-threads at its lower end only, engages with the screw-threads in the hollow post a . This bridge, with its horizontal arms and hollow screw-posts and adjusting-screws to fit therein, is the complete device and is placed on the market in this form to be sold to the trade, and after being soldered or otherwise secured to the lens-frames and the screws removed a cut is made through the posts at a point above the screw-threaded portion and also through the frame, as indicated at c , after which the screws are replaced.

It is not necessary to remove the screws. Simply a few turns in the right direction will admit of the jointed ends of the frame to be separated in order to expand it for the removal or insertion of lens, after which the frame is tightened around the lens by turning the screw in the opposite direction. A complete device is thus enabled to be placed upon the market, especially adapted to the wants of the dealer, and that can be readily and conveniently attached to the lens-frames of either spectacles or eyeglasses.

Having now fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A bridge for spectacle or eyeglass frames having upwardly-projecting posts screw-threaded upon their interior a portion of their distance only, substantially as and for the purpose set forth.

2. A bridge for spectacle or eyeglass frames

having upwardly-projecting hollow posts with interior screw-threads a portion of their distance only, and adjusting-screws engaging therewith, substantially as and for the purpose described.

5 3. A bridge for spectacle or eyeglass frames having substantially horizontal arms terminating in upwardly-extending hollow posts provided with interior screw-threads a por-

tion of their distance only, substantially as 10 and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

NOË CLOUTIER.

Witnesses:

GEORGE CLOUTIER,

FREDERICK L. LE BARON.