

WANT & LUNDGREN.
Making Spectacle Bows.

No. 85,495.

Patented Dec. 29, 1868.

Fig. 1.

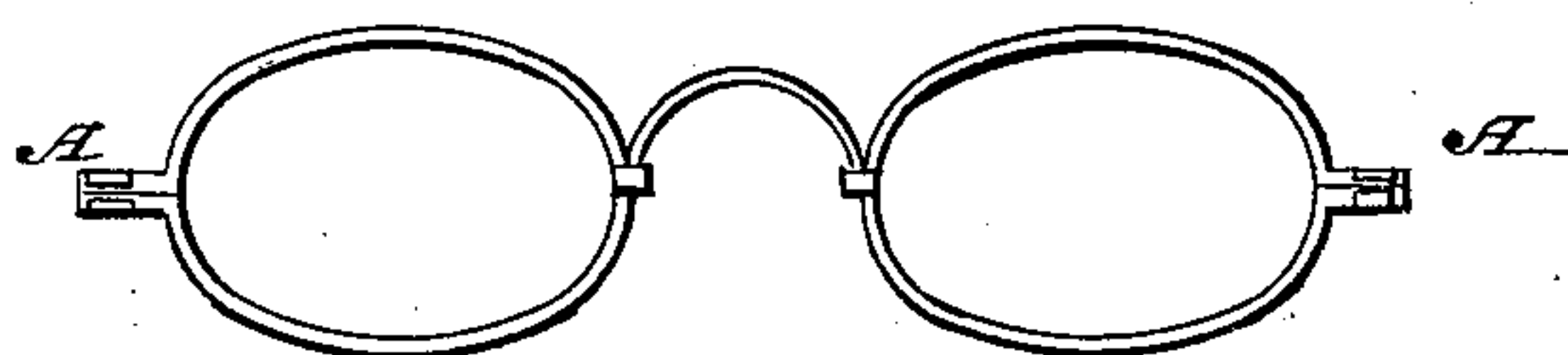


Fig. 2

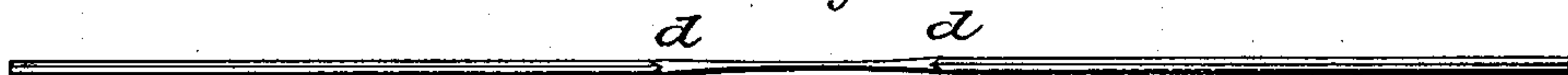


Fig. 3

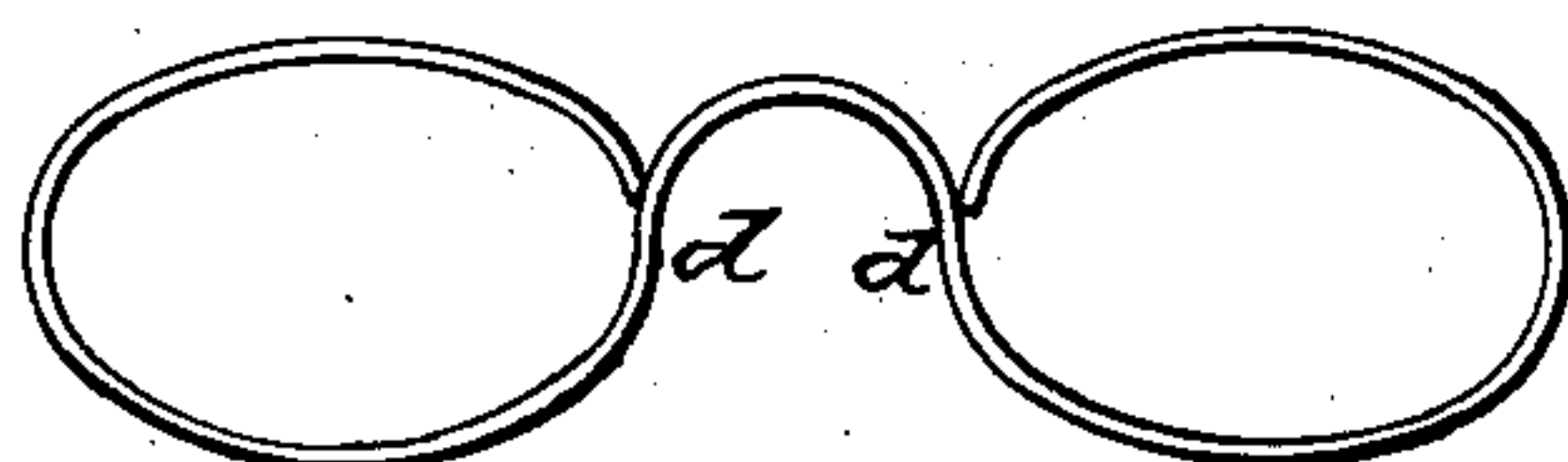


Fig. 4.

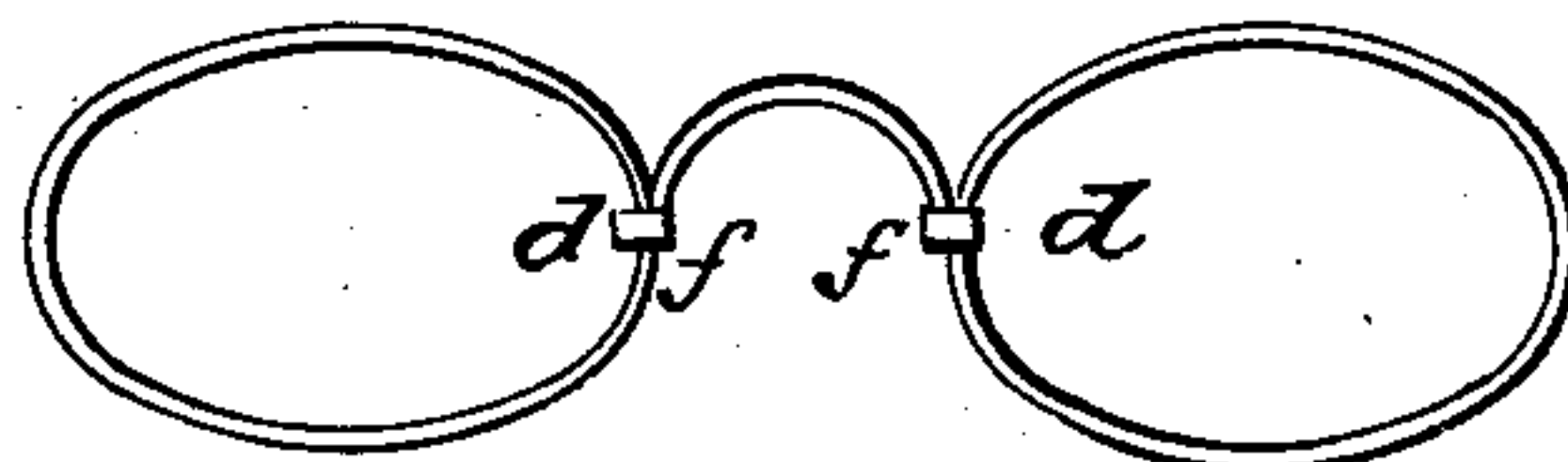


Fig. 5

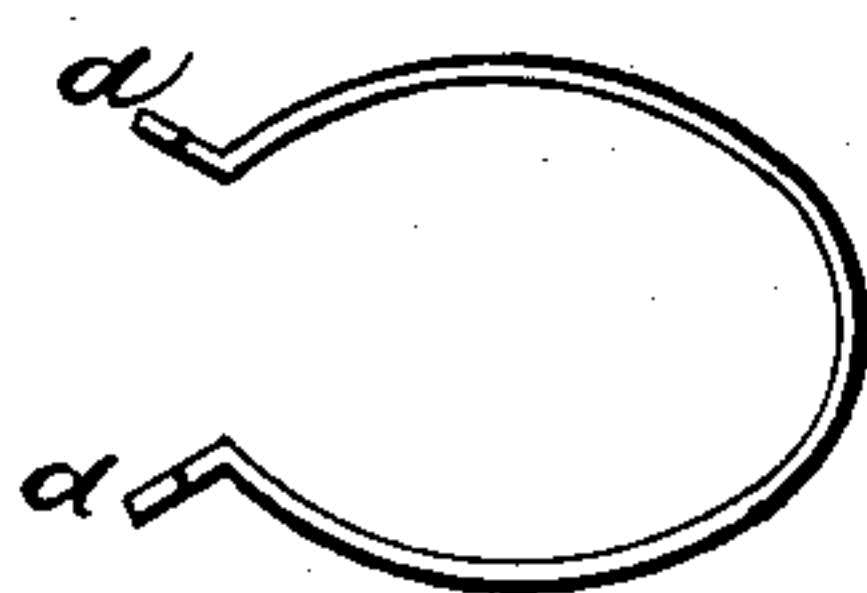
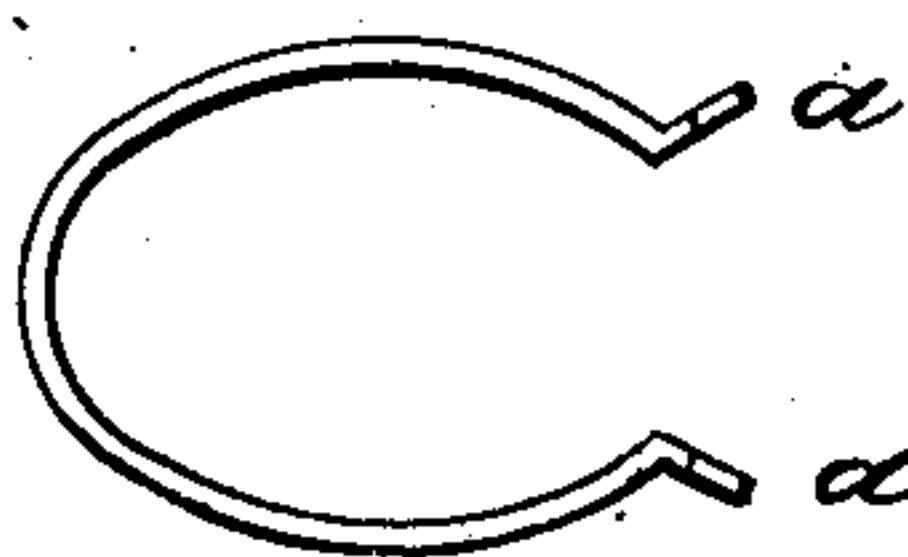


Fig. 6.



Fig. 7.



WITNESSES.

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HENRY WANT AND JOHN LUNDGREN, OF NEW HAVEN, CONN-
TICUT.

Letters Patent No. 85,495, dated December 29, 1868.

IMPROVEMENT IN MANUFACTURE OF SPECTACLE-BOWS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that we, HENRY WANT and JOHN LUNDGREN, of New Haven, in the county of New Haven, and State of Connecticut, have invented a new Improvement in the Manufacture of Spectacle-Bows; and we do hereby declare the following, when taken in connection with the accompanying drawings, and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a front view of the bows complete;

Figure 2, the wire as first prepared;

Figure 3, the second operation;

Figure 4, the third operation; and, in

Figures 5, 6, and 7, the usual construction.

This invention relates to an improvement in the manufacture of spectacle-frames or bows.

Heretofore each bow has been formed from a separate piece of wire, as seen in figs. 5 and 7, with an ear, *a*, attached to each end, which forms the hinge, and also as a means for securing the glasses within their respective bows. Then these two bows, after being properly formed, are attached together by a third part, seen in fig. 6, which forms the bridge or nose-piece. These three parts are brazed together, to complete the frame. It being desirable to make the frame as light as possible, the connection between the two bows and nose-piece is necessarily very weak, and liable to break at those points. These several parts and their attachment, practically seven pieces, as each ear is separately attached, make the construction of the bows very complicated.

The object of our invention is to simplify the construction of the bows, and to construct a stronger and better article; and, to this end,

The invention consists in constructing the two bows and bridge from a single piece of wire, bent so as to form both eyes and the bridge.

To enable others to fully understand our invention, we will fully describe the same as illustrated in the accompanying drawings.

From wire of the proper size we cut the length required, as seen in fig. 2, to form the bows and nose-piece or bridge. Then from each end, toward the centre, to a point, *d*, we form the groove for the inside of the bow, to receive the glass. The space between the two points *d* is sufficient to form the nose-piece. This done, we bend, upon a proper former, or otherwise, into the shape seen in fig. 3, the extreme ends turning over to the point *d*. Then we place upon each of the meeting points *d* a loop, of steel or suitable metal, *f*, and braze, solder, or weld the parts together. Then the ears *A*, which have been formed and attached together by the screw which usually joins the ears of the spectacles, are attached to each bow, as seen in fig. 1. Then the bows are finished at the points of connection, by filing away the surplus metal, and the bows are cut at the joint *A*, and, when polished, are finished and complete, and the point of connection between the two bows and nose-piece is not only equally as strong as any part in the bows, but is strengthened by the additional metal left from the loops *f*, and, as will be readily seen, the principal portion of labor and difficulty which is necessary and experienced in the usual method of construction is avoided.

Having fully described our invention,

What we claim as new and useful, and desire to secure by Letters Patent, is—

Spectacle-bows, constructed in the manner, and of a single continuous piece of wire, substantially as herein set forth.

HENRY WANT.
JOHN LUNDGREN.

Witnesses:

JOHN H. SHUMWAY
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