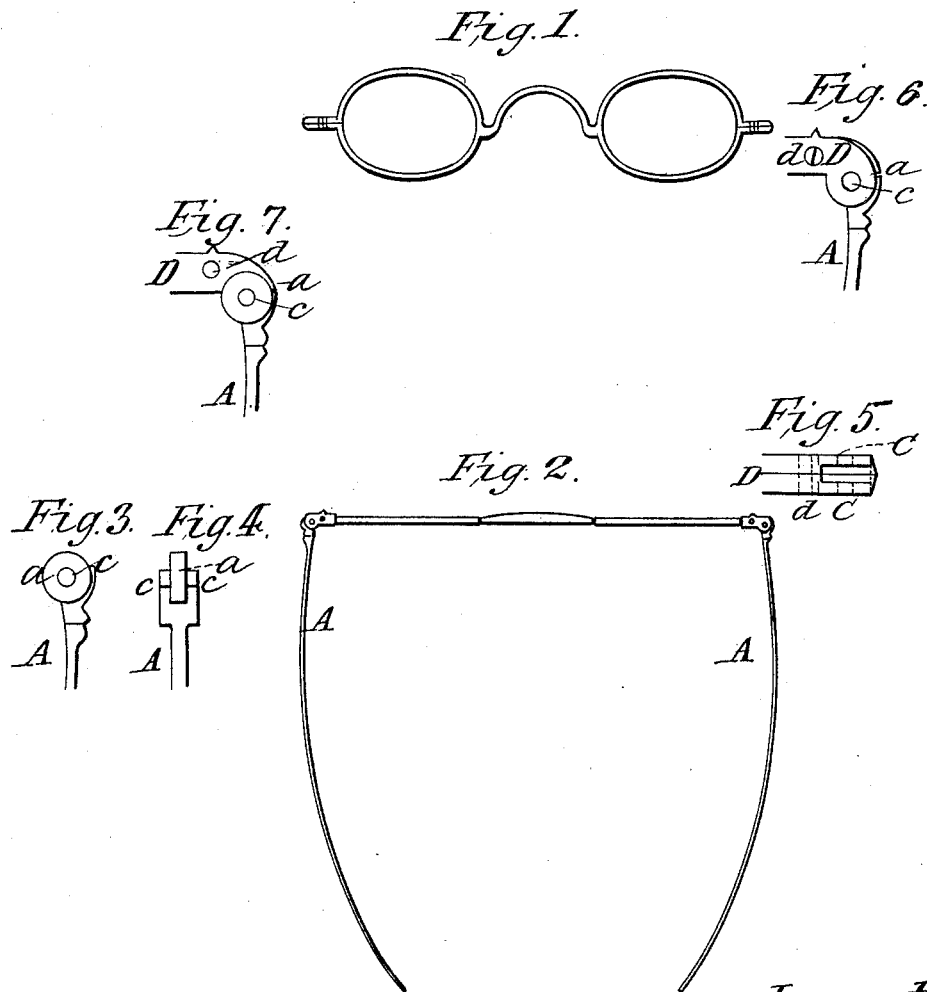


SPENCER & WANT.

Spectacle Bow.

No. 49,954.

Patented Sept. 12, 1865.



Inventor:

James O. Spencer
Edward Want
John E. Canby

Witnesses:

Rufus Sanford
Miron H. Clark

UNITED STATES PATENT OFFICE.

JAMES E. SPENCER AND EDWIN WANT, OF NEW HAVEN, CONNECTICUT,
ASSIGNORS TO JAMES E. SPENCER, OF SAME PLACE.

IMPROVEMENT IN THE MANUFACTURE OF SPECTACLE-FRAMES.

Specification forming part of Letters Patent No. **49,954**, dated September 12, 1865.

To all whom it may concern:

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

Figure 1, a top view; Fig. 2, a top edge view; and in Figs. 3, 4, 5, and 6, the construction of the joint or hinge in the bows, the subject of our invention.

Similar letters indicate corresponding parts.

Our invention relates to an improvement in the construction of spectacle-bows; and it consists in forming the pivot of the hinge solidly upon the temple, whereby a firmer and better joint is produced.

To enable others skilled in the art to use our improvement, we will proceed to fully describe the same as illustrated in the accompanying drawings.

Heretofore the hinge in spectacle-bows has been made by employing the screw which secures the bow around the glass as the pivot for the hinge, affording but a short bearing for the temple.

We form the temple A as seen in Figs. 3 and 4, milling the end *a*, so as to form upon either side a projecting pin, *c*. We form the end piece,

D, of the bow as seen in Figs. 5 and 6, milling the upper and lower parts of the end piece, D, as seen in Fig. 5, and drilling a hole through each upper and lower part to correspond with and receive the pins of the temple. A screw, *d*, placed between the hinge and the glass, serves to secure the glass within the bow, and also to hold the two sides of the end piece firmly together. Place the temple between the two parts of the end piece, as seen in Fig. 6, the two pins *c* entering the holes prepared for them; then secure the two parts of the end piece together by means of the screw *d*.

By this arrangement and construction a larger and stronger bearing is given to the temple, in consequence of which it will not become loosened by use, as does the ordinary hinge of spectacle-bows. We have described the pins *c* as formed solidly upon the temple A, which we believe to be the better way; yet a pin may be passed through and brazed therein, if preferred. Therefore,

Having thus fully described our invention, what we claim as new and useful, and desire to secure by Letters Patent, is—

Forming the pivot solidly upon the temple and otherwise constructing the hinge, and uniting the bow with the temple, substantially as described.

JAMES E. SPENCER.
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Witnesses:

JOHN E. EARLE,
RUFUS H. SANFORD.