

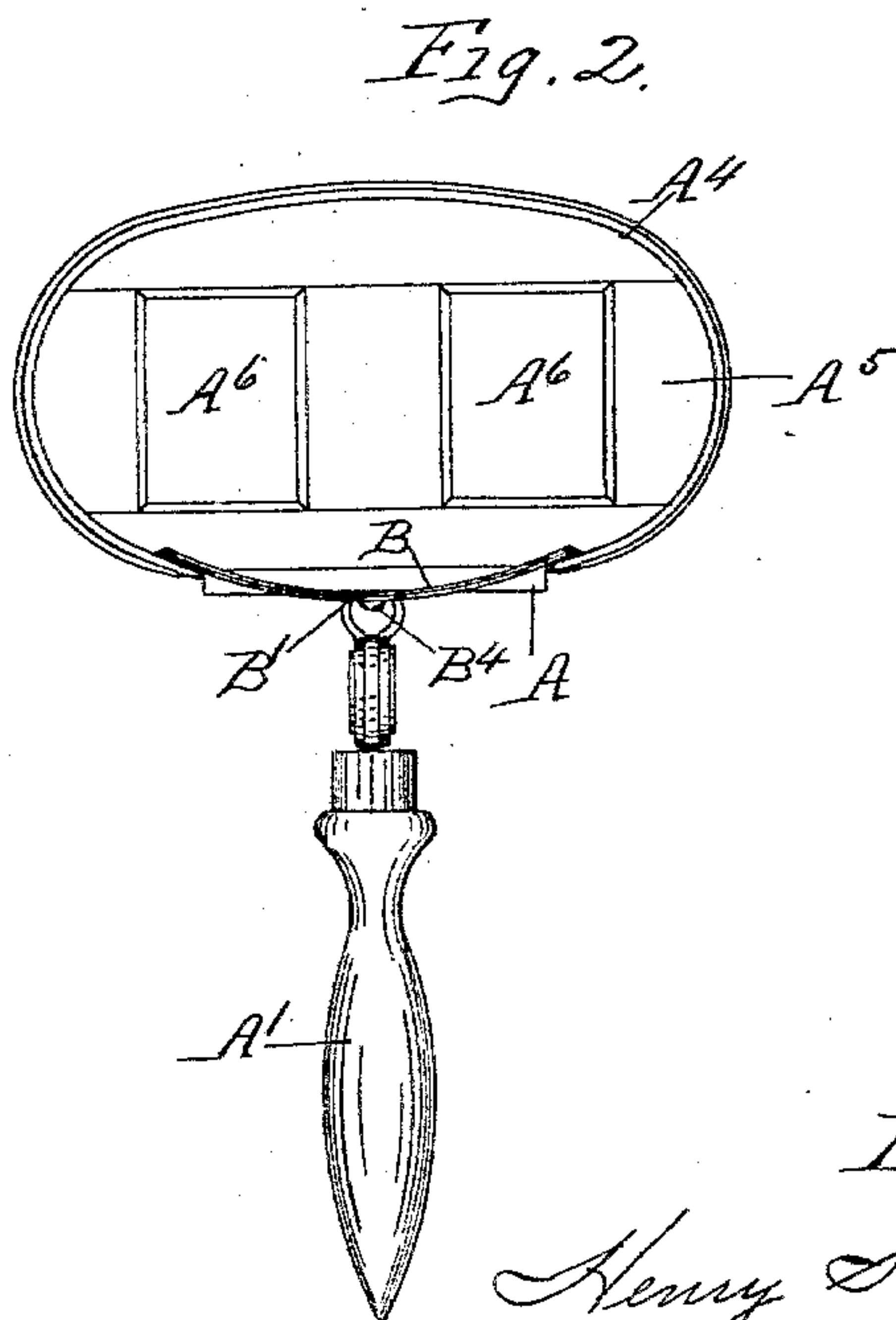
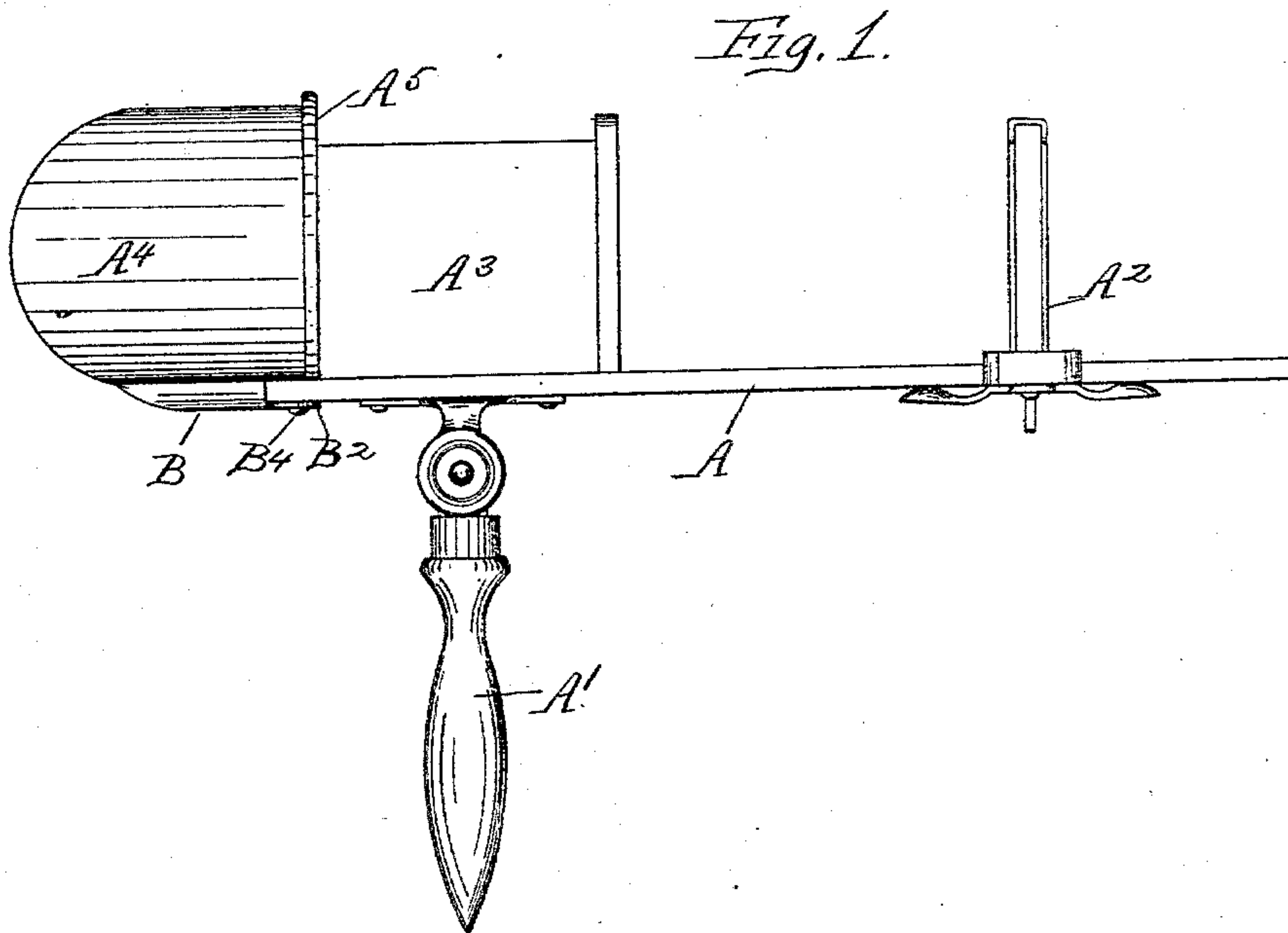
(No Model.)

2 Sheets—Sheet 1.

H. S. WALBRIDGE.  
STEREOSCOPE.

No. 559,878.

Patented May 12, 1896.



witnesses:  
G. H. Curtis  
C. A. Curtis

Inventor:  
Henry S. Walbridge  
By Mosher & Curtis  
Attys

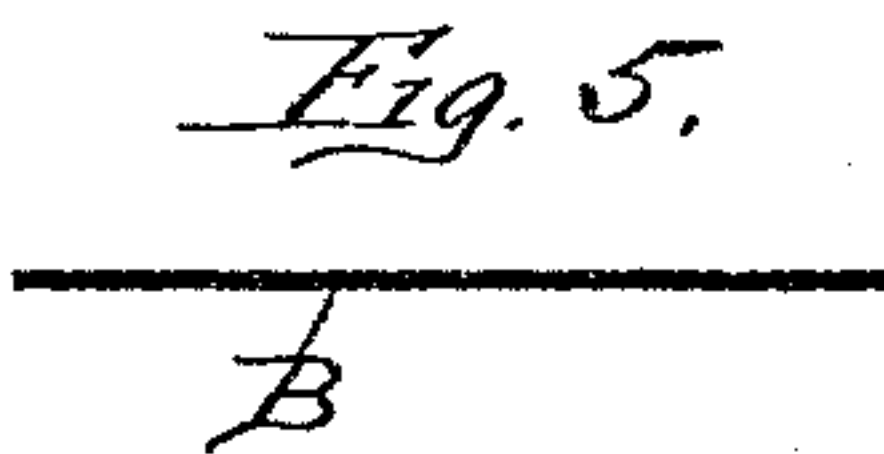
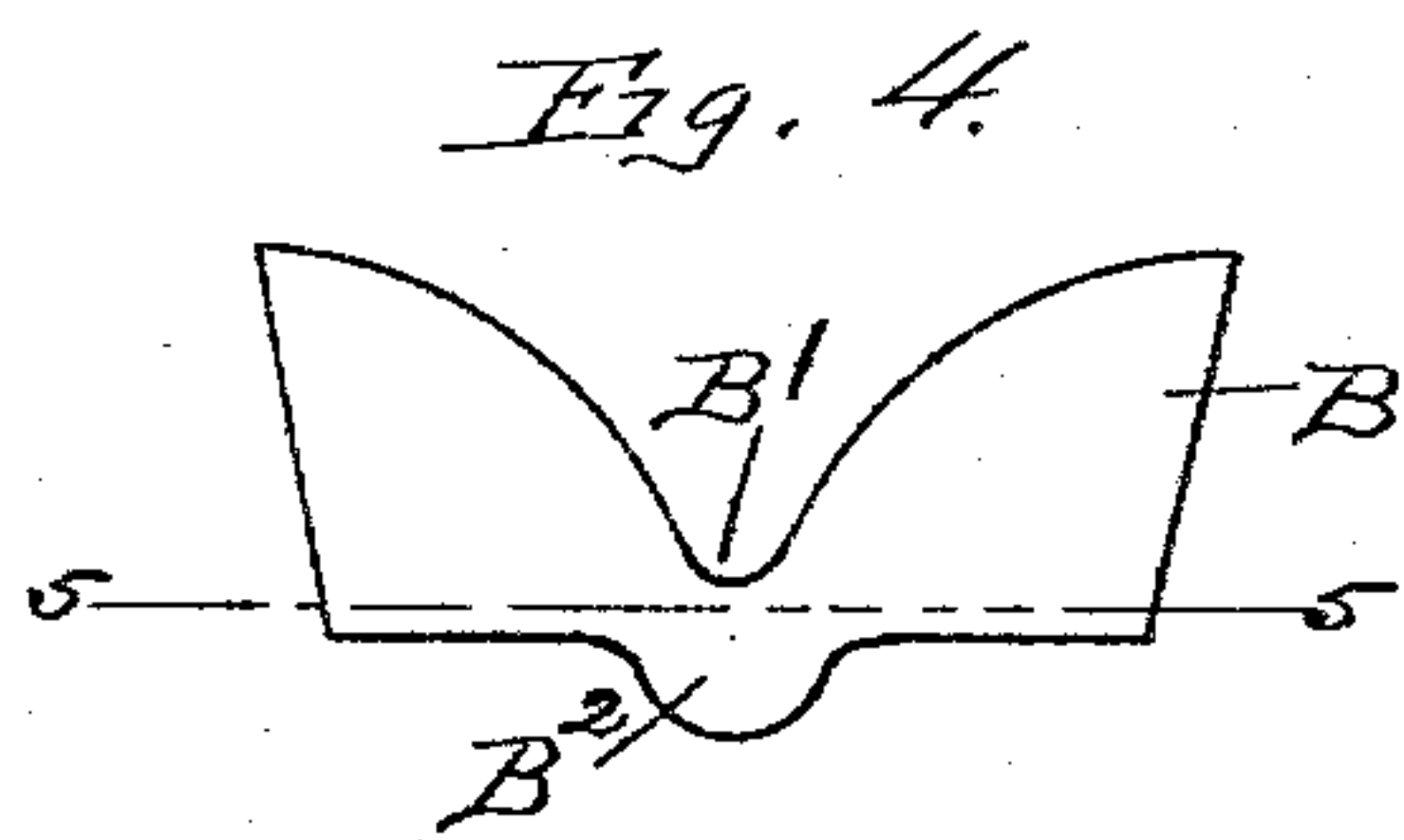
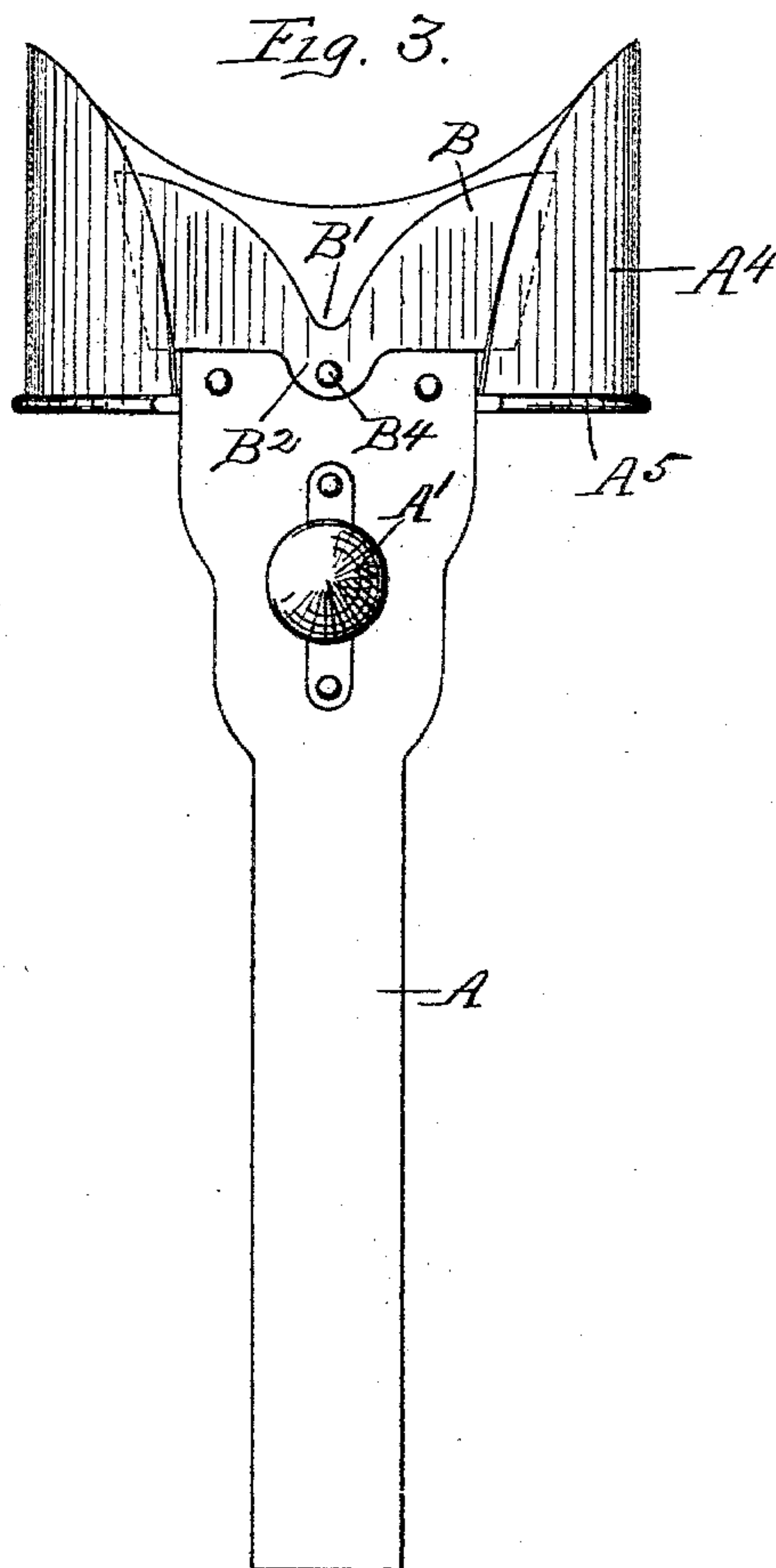
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2 Sheets—Sheet 2.

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Witnesses:  
*J. H. Curtis*  
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# UNITED STATES PATENT OFFICE.

HENRY S. WALBRIDGE, OF BENNINGTON, VERMONT.

## STEREOSCOPE.

SPECIFICATION forming part of Letters Patent No. 559,878, dated May 12, 1896.

Application filed December 27, 1895. Serial No. 573,462. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY S. WALBRIDGE, a citizen of the United States, residing at North Bennington, county of Bennington, and State of Vermont, have invented certain new and useful Improvements in Stereoscopes, of which the following is a specification.

The invention relates to such improvements; and it consists of the novel construction and combination of parts hereinafter described and subsequently claimed.

Reference may be had to the accompanying drawings, and the letters of reference marked thereon, which form a part of this specification.

Similar letters refer to similar parts in the several figures therein.

Figure 1 of the drawings is a view in side elevation of my improved stereoscope. Fig. 2 is a front elevation of the same. Fig. 3 is a bottom plan view of the same. Fig. 4 is a plan view of the bridge-piece detached. Fig. 5 is a vertical section of the same on the broken line 5 5 in Fig. 4.

My improved apparatus comprises the frame-shaft A, handle A', object-support A<sup>2</sup>, division-shield A<sup>3</sup>, hood A<sup>4</sup>, lens-block A<sup>5</sup>, and lenses A<sup>6</sup>, (all constructed and arranged in the usual well-known manner,) and the novel bridge-piece B. The bridge-piece connects the ends of the hood-piece a, and forms a practical continuation of the hood around the lower side or edge of the lens-block. It is provided in its outer edge with a recess B', adapted to receive the nose of the user of the stereoscope, and on the opposite edge with a lip B<sup>2</sup>. The bridge-piece is made of laminated wooden sheets that will not easily split or break. The ends of the piece lap the ends of the hood on the inner side of the hood, to which they are glued, and bear at their inner edge upon the lens-block. The middle portion of the piece is bent downwardly across the end of the shaft A, so that the lip B<sup>2</sup> laps the shaft on its lower side, as seen in Fig. 3. By thus bending or springing the bridge-piece and securing its middle part to the lower side of the shaft by a pin or nail B<sup>4</sup>, inserted through the lip into the shaft, and securing its ends approximately in the plane of the upper surface of the shaft the parts are rendered exceedingly strong and durable, so that the bridge-

piece can be formed of very thin sheets, thinner than the hood itself, thus adding at the same time to the ornamental appearance of the device and to its efficiency by giving the requisite space between the bridge and lenses without projecting the bridge down beyond the position required to form a symmetrical continuation of the hood, and mostly above the plane of the lower surface of the frame-shaft. I am also able to produce such a form of construction very cheaply, very little stock being required for the thin bridge, and the thinness of the laminated material enables me to stamp the pieces out by the use of dies and with great rapidity.

To attach the bridge-pieces to the well-known forms of stereoscope, it is only necessary to glue the ends of the piece to the ends of the hood and insert the small pin through the lip.

By projecting the lip from the edge of the bridge-piece directly opposite the notch or recess formed in the opposite edge thereof I am able to increase the width of the bridge-piece at this point, thereby permitting the insertion of a comparatively deep recess without materially weakening the piece.

The bridge-piece may be secured across the bottom opening of the hood in any known manner, it only being necessary that its ends bear upon the hood and its middle portion upon the shaft or hood-support.

The bridge-piece may be formed from any thin sheet material, as paper, leather, rubber, wood, or metal, which has sufficient strength to adapt it for the purpose.

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

1. In a stereoscope, the combination with a hood open at the bottom, and a hood-support, of a bridge-piece having a recess in one edge, and a lip projecting from its opposite edge, and secured across the bottom opening of the hood with its ends in engagement with the inner surface of the hood, and the lip in engagement with the under surface of the hood-support, substantially as described.

2. In a stereoscope, the combination with the lens-block, hood and frame-shaft, of a bridge-piece formed from a laminated wooden sheet having its ends glued to the inner surface of the hood, and having its middle por-



tion secured to the bottom surface of the frame-shaft, substantially as described.

3. In a stereoscope, the combination with the lens-block, hood and hood-support, of a  
5 bridge-piece formed of sheet material having its ends lapping interiorly the end edges of the hood, and its intermediate portion curved outwardly or downwardly and secured near

its middle to the hood-support, substantially as described. 10

In testimony whereof I have hereunto set my hand this 23d day of December, 1895.

HENRY S. WALBRIDGE.

Witnesses:

GEO. A. MOSHER,

FRANK C. CURTIS.