

J. A. BAZIN.

Folding Stereoscopes.

No. 139,534.

Patented June 3, 1873.

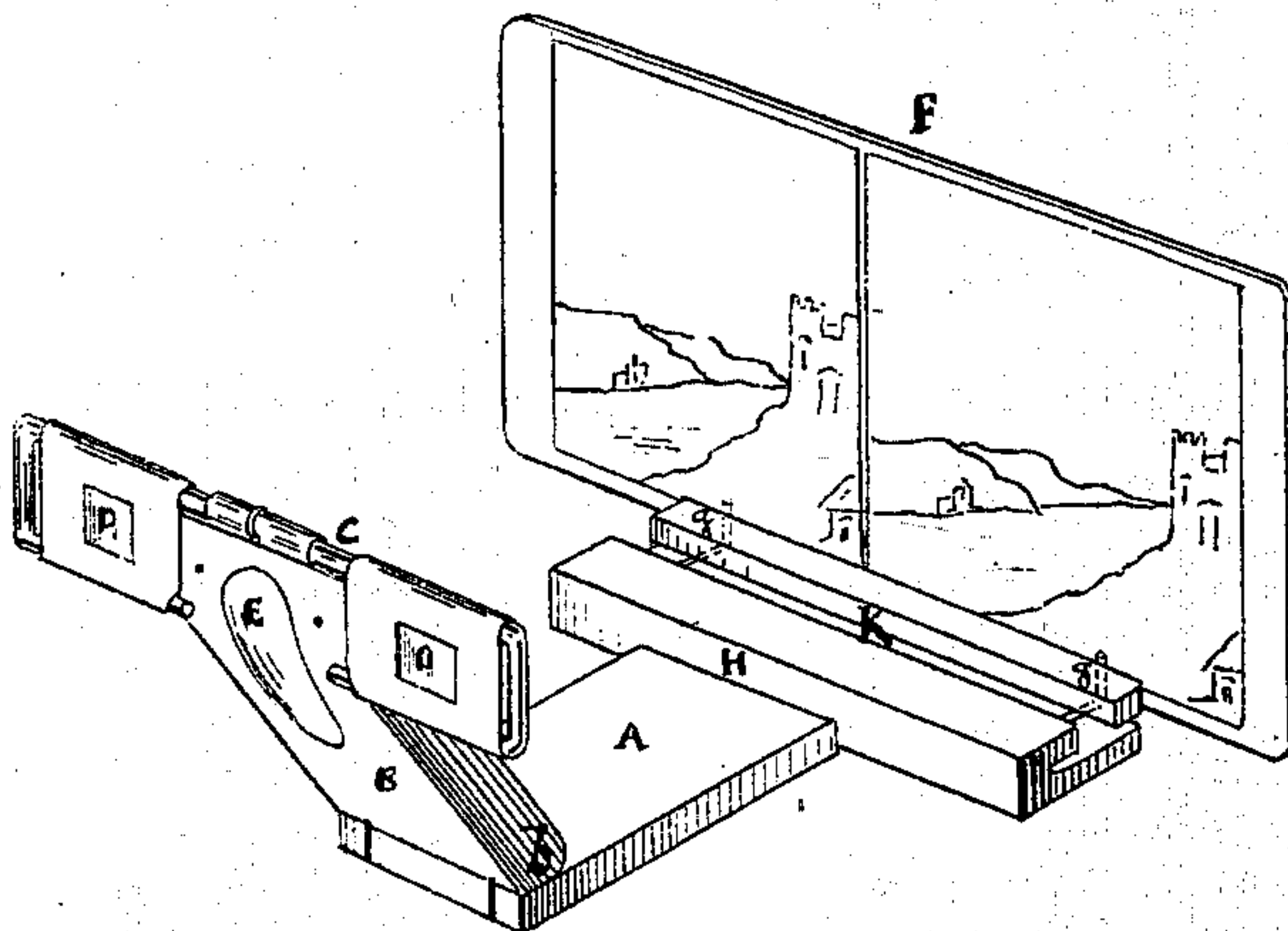


Fig. 1

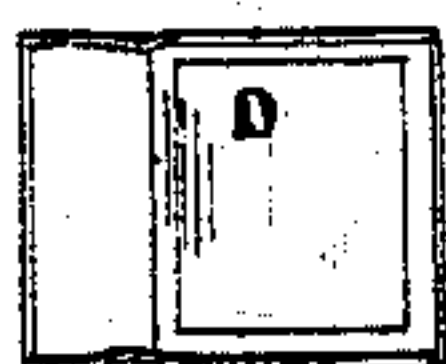


Fig. 4

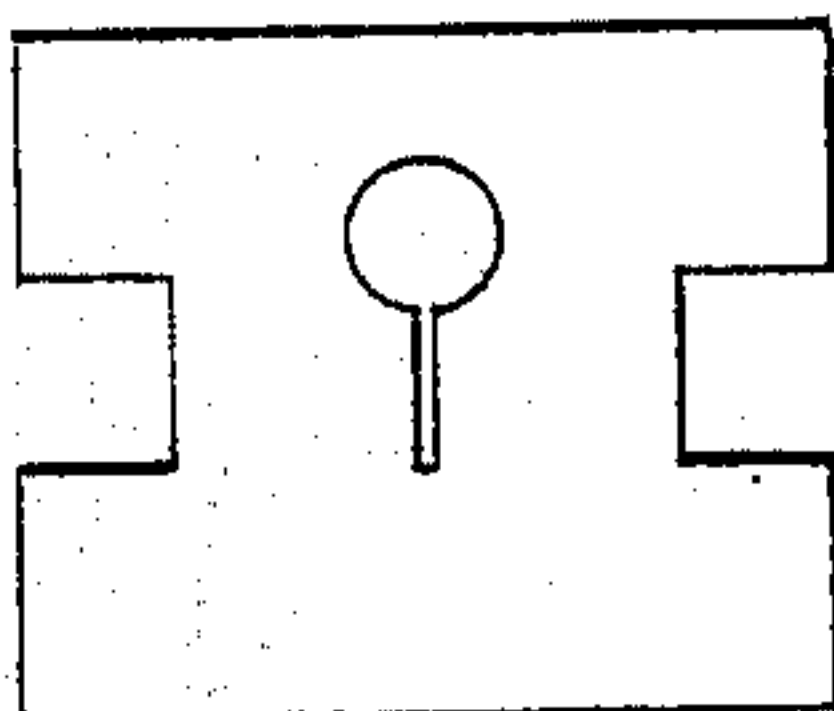


Fig. 5

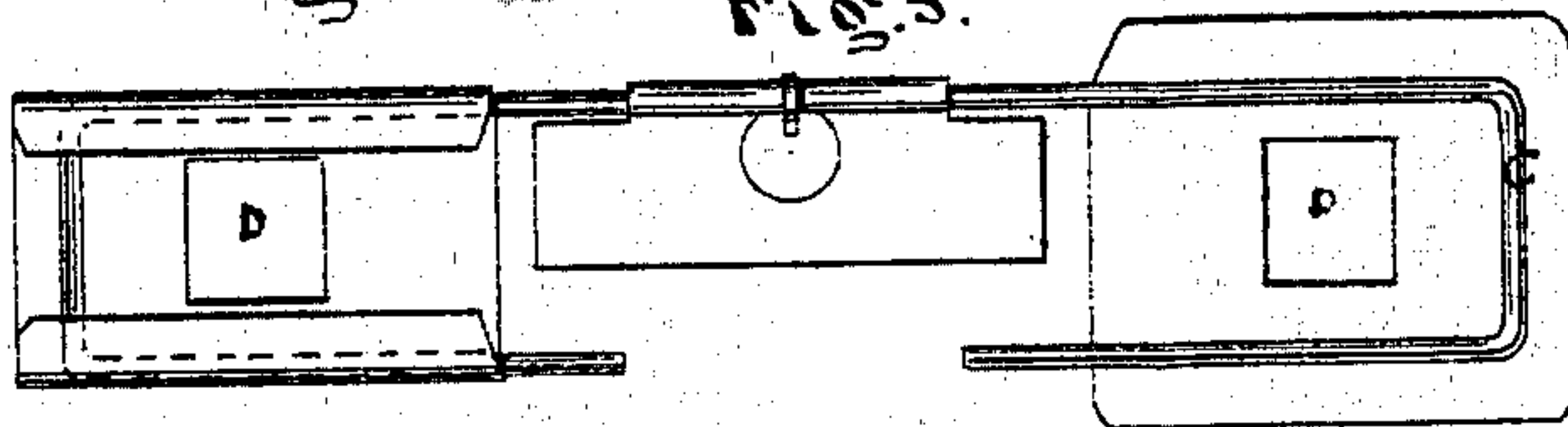


Fig. 3

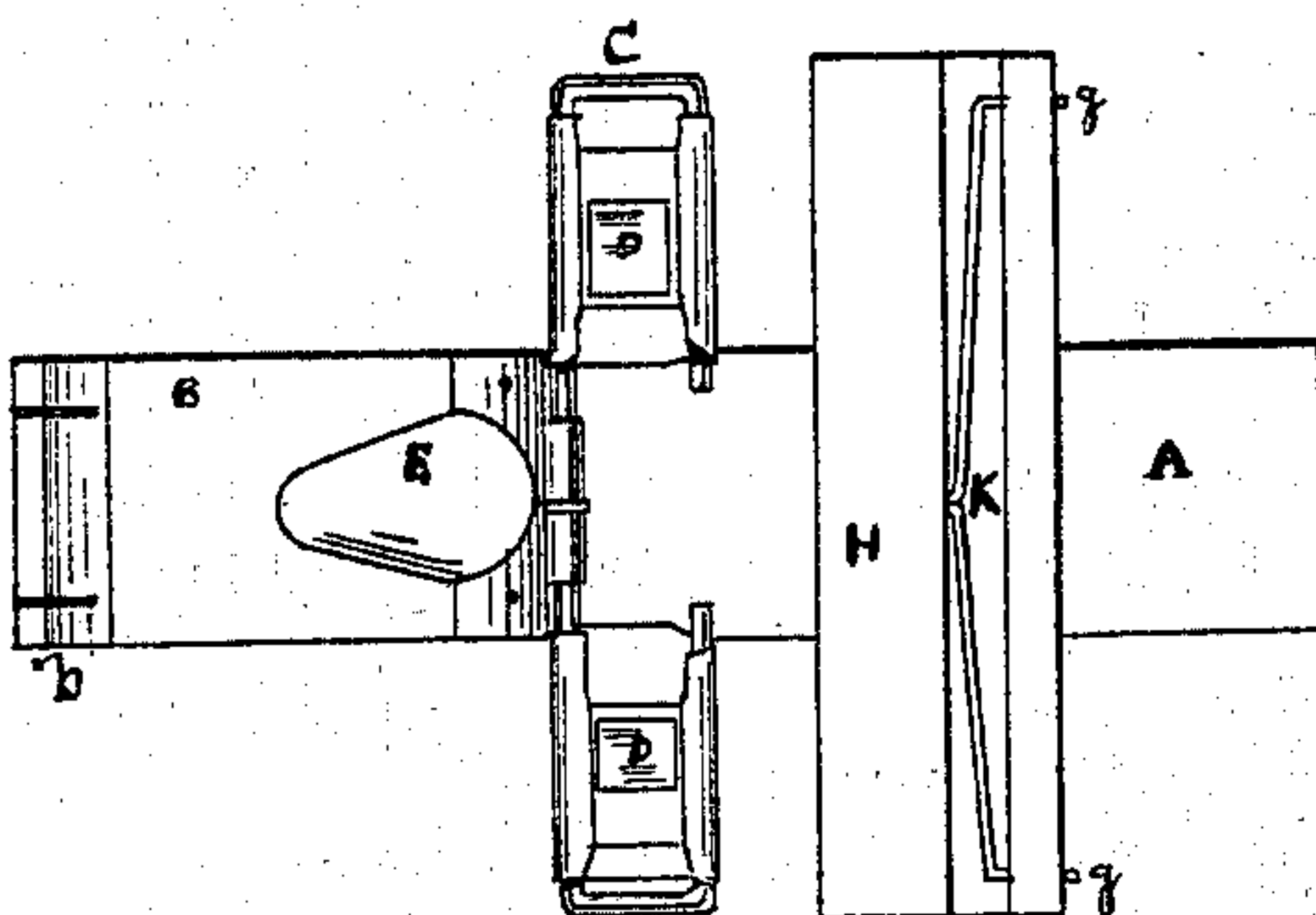


Fig. 2

WITNESSES

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# UNITED STATES PATENT OFFICE.

JAMES A. BAZIN, OF CANTON, MASSACHUSETTS.

## IMPROVEMENT IN FOLDING STEREOSCOPES.

Specification forming part of Letters Patent No. **139,534**, dated June 3, 1873; application filed May 31, 1872.

*To all whom it may concern:*

Be it known that I, JAMES A. BAZIN, of Canton, in the county of Norfolk and State of Massachusetts, have invented certain Improvements in Stereoscopes, of which the following is a specification:

My invention relates to certain improvements in the construction of folding stereoscopes, by means of which they can be manufactured at a greatly reduced cost and be more compact, and occupy less space when folded than those heretofore in use; and it consists more especially in constructing the bed of the instrument with two pieces joined by a beveled joint, so as to make the included angle between the faces much greater than a right angle, whereby focal distance and a vertical elevation are obtained by a single piece; which also brings the glasses near to the eyes, thus enabling me to use small, cheap lenses with as good an effect as the large lenses produce.

Figure 1 is a perspective view of my stereoscope arranged for use. Fig. 2 is a plan view of my stereoscope folded up for transportation. Figs. 3, 4, and 5 are details to be referred to.

In the said drawings, A is the bed of the instrument, on which slides the picture-holder H. Hinged to A is a piece, B, having its hinged end beveled, as shown at *b*, so that when opened from the piece A it stands at an obtuse angle to the base or bed. At its opposite end is fastened the lens-frame *c*, which I prefer to make, as shown in Fig. 3.

The stereoscopic view F, which is secured in the slide H by springs *g g*, may be moved backward and forward on the base A. The frame, Fig. 5, holding the glasses, may be hinged in a suitable manner to the end of the piece B. I prefer to do this by stamping out a piece of metal, as shown in Fig. 5, and bending this around the wire C and fastening it to the beveled-jointed piece B.

By this construction I am enabled to produce a folding stereoscope that has an exceedingly compact form when folded up, and I am enabled to use the ordinary spectacle glasses cut in half for lenses.

The lens frame, Fig. 5, may, if desired, be fixed rigidly to the outer end of the bar B, so that when the stereoscope is open the glasses will have a vertical position.

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

1. In a folding stereoscope, a combination of the base A and the plate B hinged at an angle extending outward, with the lens-frame, Fig. 5, either hinged or fixed in a vertical position across the end of the plate B, as described and for the purpose set forth.

2. In a folding stereoscope, the base A and plate B hinged at an angle extending outward, in combination with the lens-frame, Fig. 5, and adjustable glasses D D.

JAMES A. BAZIN.

Witnesses:

I. L. G. RICE,  
CHARLES C. LIVERMORE.