

(No Model.)

B. L. SINGLEY.
STEREOSCOPE.

No. 597,440.

Patented Jan. 18, 1898.

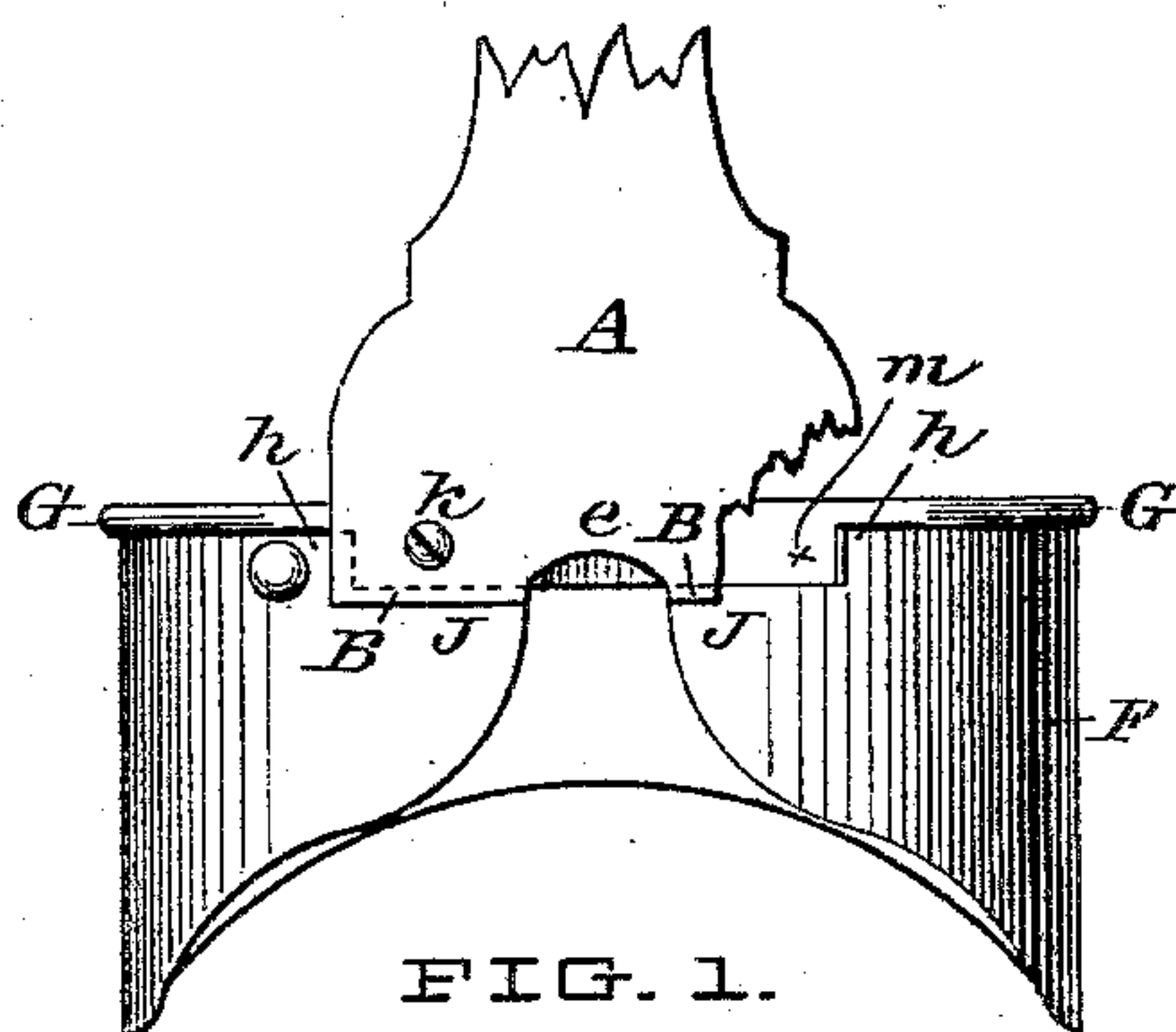


FIG. 1.

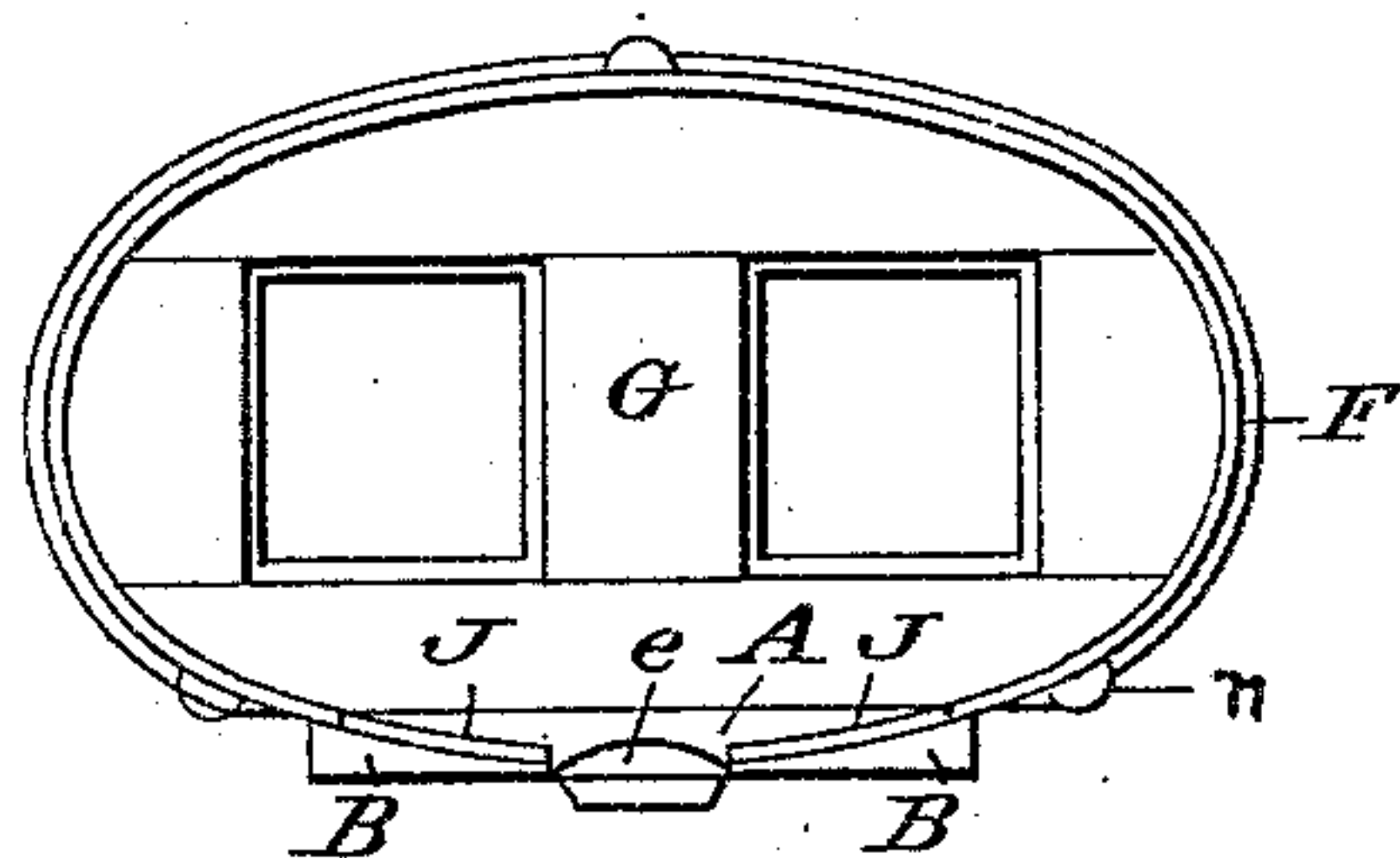


FIG. 2.

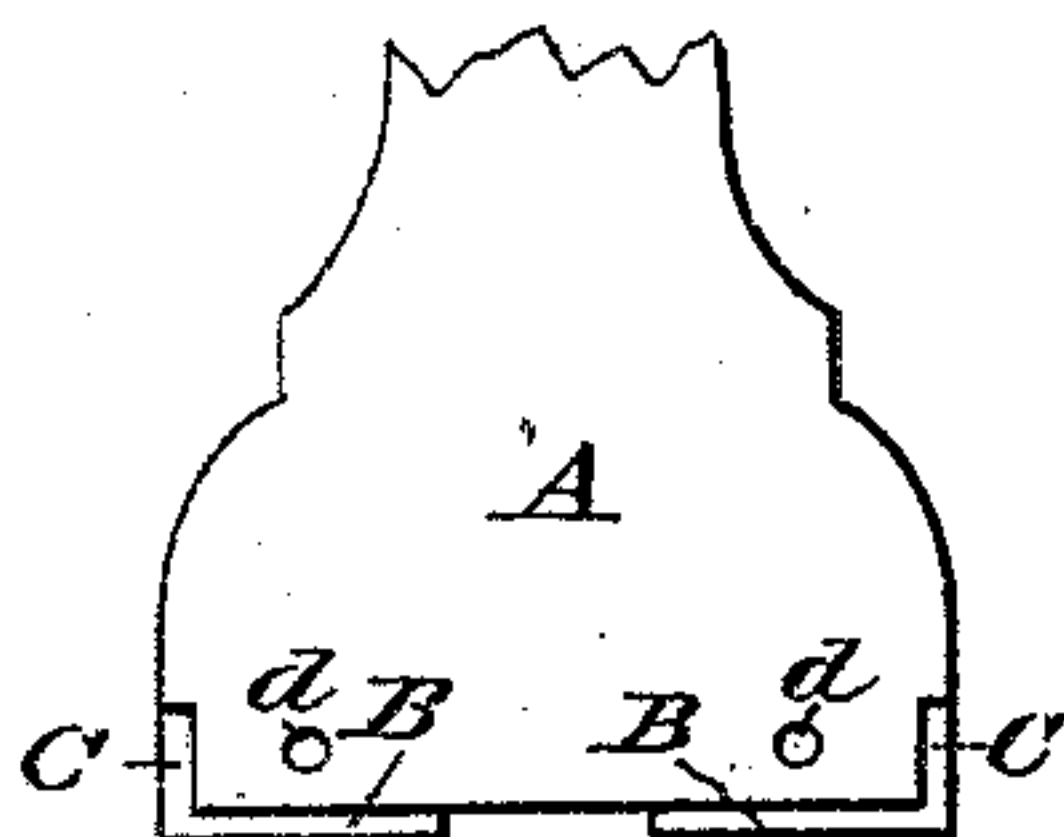


FIG. 3.

WITNESSES:

Luther B. Newton

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HENNEVILLE LLOYD SINGLEY

BY *Franklin Scott*, ATTORNEY.

UNITED STATES PATENT OFFICE.

BENNEVILLE LLOYD SINGLEY, OF MEADVILLE, PENNSYLVANIA.

STEREOSCOPE.

SPECIFICATION forming part of Letters Patent No. 597,440, dated January 18, 1898.

Application filed February 24, 1896. Serial No. 580,335. (No model.)

To all whom it may concern:

Be it known that I, BENNEVILLE LLOYD SINGLEY, of Meadville, in the county of Crawford, in the State of Pennsylvania, have
5 invented certain new and useful Improvements in Stereoscopes, of which the subjoined description, in connection with the accompanying drawings, constitutes a specification.

This invention relates to a special construction and mode of combining the hood, shaft,
10 and lens-holder of the ordinary hand-stereoscope.

It is fully set forth in the drawings, in which—

15 Figure 1 shows an under plan of a common stereoscope, or so much thereof as is necessary to disclose my invention. Fig. 2 is an end view of the same looking toward the view, and Fig. 3 is a top plan view of the end of the
20 shaft upon which the lens-frame is seated.

The lens-frame is shown at G and is a simple frame adapted to hold the two lenses. It takes on the hood F, the front edge of which is fitted to the form of the face of the observer by having its upper edge cut to fit the forehead, its sides to fit the temples of the face, and its under wings to fit the sides of the nose and cheeks. By these means a dark chamber is secured whenever the scope is applied to the face. I claim nothing on this
30 feature of the "dark chamber" *per se*; but in the construction of this class of stereoscopes much difficulty has been experienced in joining the ends of the hood J J with the shaft G and the under edge of the lens-frame, so as
35 to properly confine the intractible ends J J of the hood in such a way that they would not incline to straighten out when made of bent veneers as now is the common practice of
40 making such hoods. To properly secure and hold these ends, I have provided the means shown, which consist in making the shaft A to project toward the face the distance shown at B beyond the surface of the lens-frame,
45 thus creating two projecting ledges upon which the ends J J of the hood can rest. When the parts are assembled, as seen in Fig. 2, the tendency of the corners of the

hood to curl out or straighten is effectually resisted by these ledges B B. The edges of
50 the shaft are also grooved or rabbeted, as at C C, to receive the corner *h*, Fig. 1, of the hood, as a means not only to hold said corner firmly, but also to hide the joint, which otherwise would be exposed and which it is often
55 difficult to fit closely and accurately.

The edge of the lens-frame is rabbeted on its edge to receive the edge of the hood, and the under corners of the hood are notched
60 out, as at *m*, Fig. 1, to fit the rabbeted ledge B C of the shaft A.

The under edge of the lens-frame G is slabbed off to form a seat for the shaft A to rest upon.

The parts are assembled as follows: The
65 lens-frame and division-piece (not shown) are confined in a special clamp. The hood is then fastened to the frame by nails or screws *n n*, Fig. 2. Care is taken that the ends of the hood J J and the corners *h h* are brought
70 around into a symmetrical position with reference to the center of the lens-frame. Then the shaft is laid over the whole in the position seen in Fig. 1, the notched ends of the
75 hood falling under the rabbeted edges of the shaft, when the shaft is fastened in position by the screws *k*, which draw all the parts down into their true position.

I therefore claim as my invention—

1. In a stereoscope, the combination with
80 the lens-frame and hood, of a shaft having its front end rabbeted so as to leave a transverse ledge for supporting the ends of the hood.

2. In a stereoscope, the combination with
85 the lens-frame and shaft provided with the hood-supporting ledges B B, and rabbets C C, of the hood notched at its ends to fit said ledges and rabbets.

In testimony whereof I have hereto subscribed my name this 21st day of February, 90
A. D. 1896.

BENNEVILLE LLOYD SINGLEY.

In presence of—

G. R. MCKENZIE,
S. F. CHARLTON.