

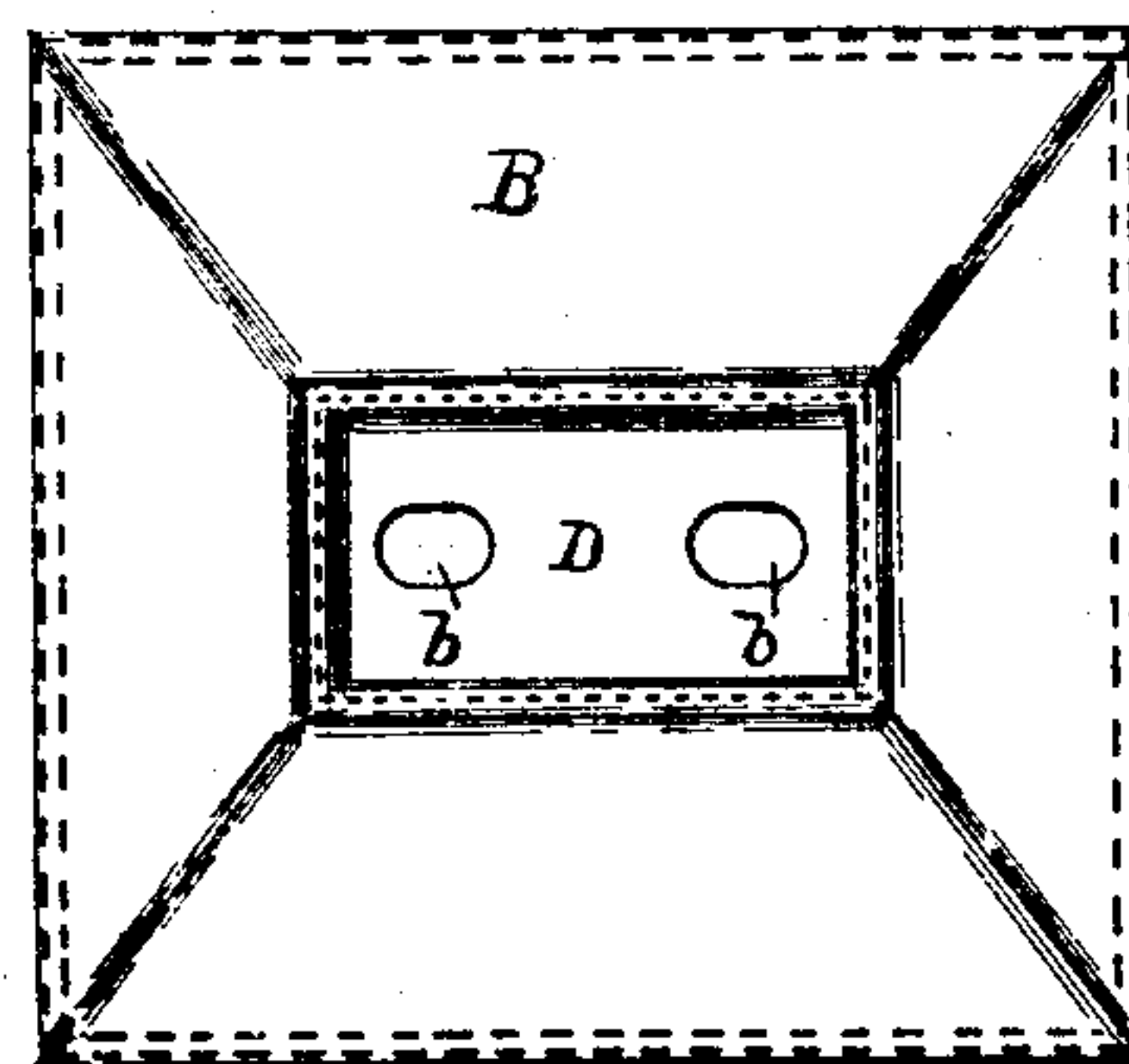
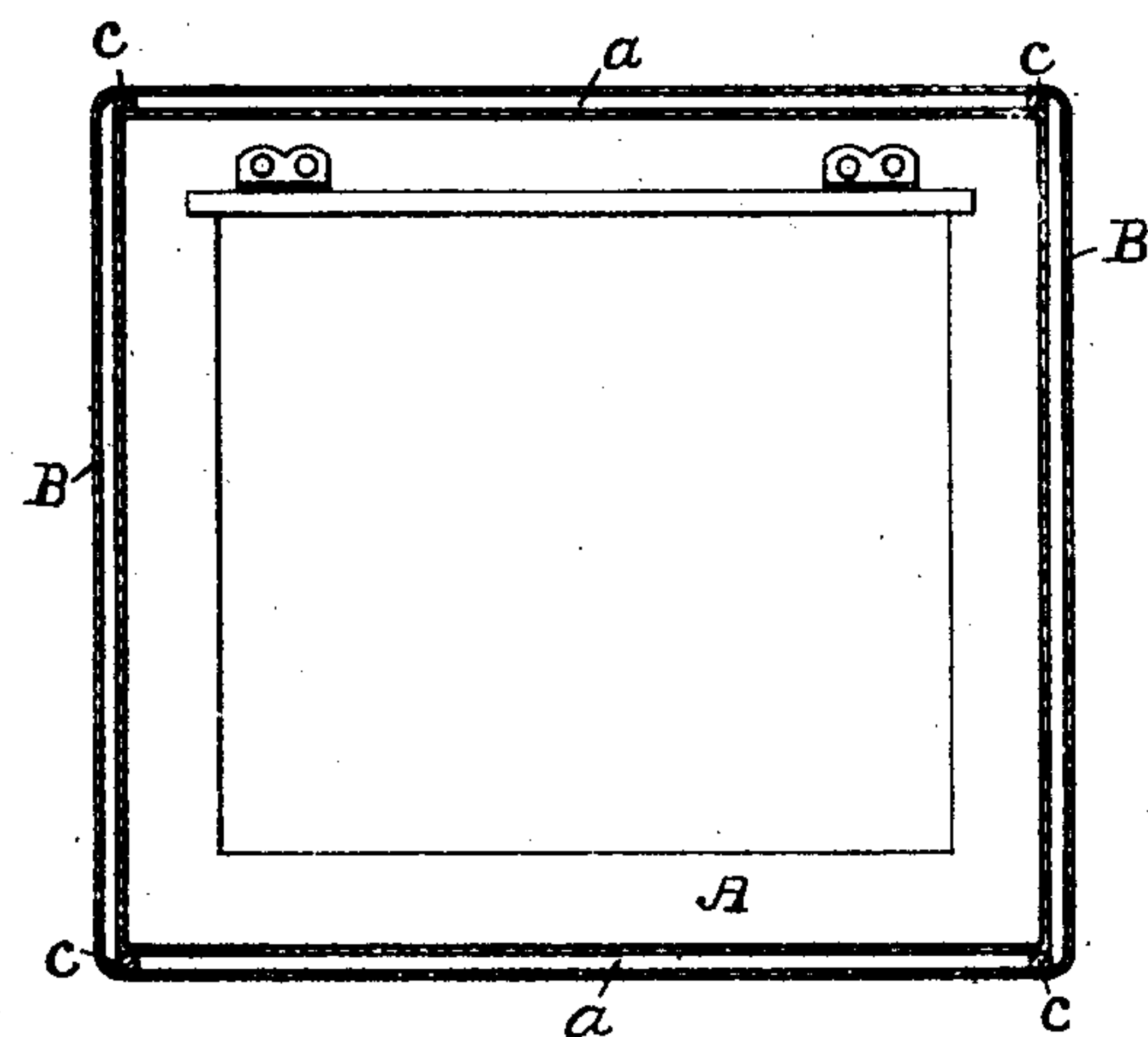
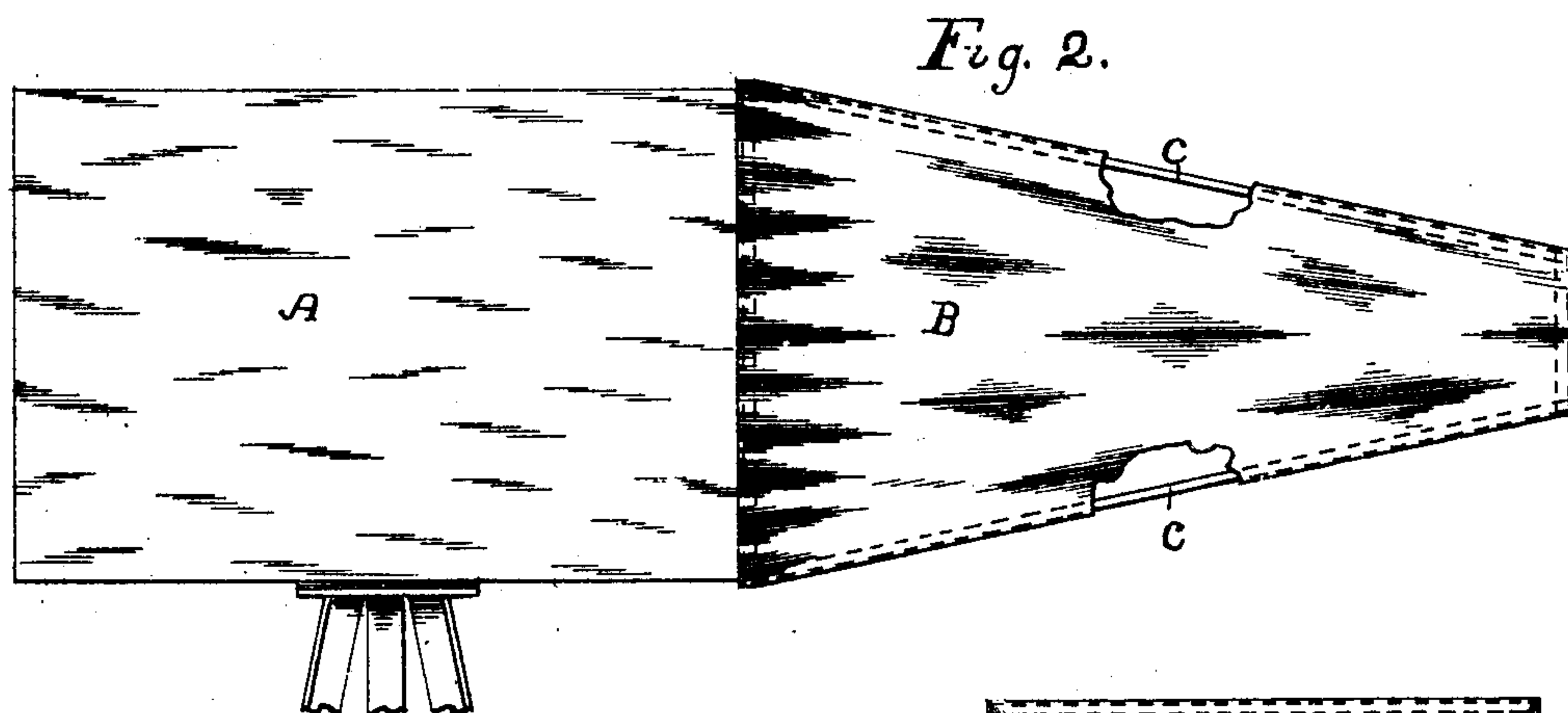
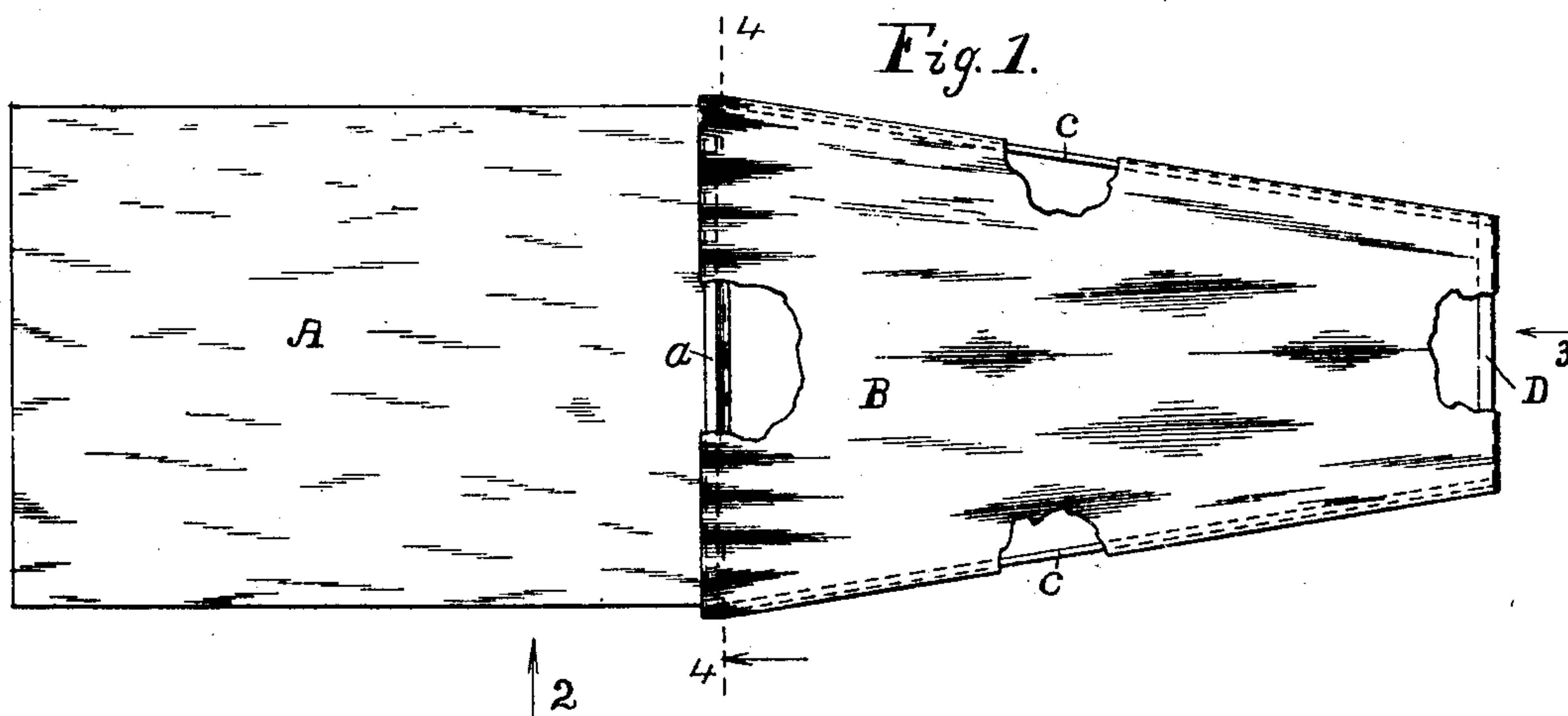
No. 665,626.

Patented Jan. 8, 1901.

J. P. BALLOU.
SHADING HOOD FOR CAMERAS.

(Application filed Nov. 1, 1900.)

(No Model.)



Attest:

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UNITED STATES PATENT OFFICE.

JAMES P. BALLOU, OF PALMYRA, NEW YORK.

SHADING-HOOD FOR CAMERAS.

SPECIFICATION forming part of Letters Patent No. 665,626, dated January 8, 1901.

Application filed November 1, 1900. Serial No. 35,167. (No model.)

To all whom it may concern:

Be it known that I, JAMES P. BALLOU, a resident of Palmyra, in the county of Wayne and State of New York, have invented a new and useful Improvement in Shading-Hoods for Cameras, which improvement is fully set forth in the following specification and shown in the accompanying drawings.

My invention is a detachable shading-hood for cameras adapted to be folded or compressed into a small compass or body for conveniently carrying in the pocket and readily attached to cameras of different sizes.

The invention is hereinafter fully described and more particularly pointed out in the claims.

Referring to the drawings, Figure 1 is a plan of the box or body of a photographic camera with my improved hood attached, parts being broken out. Fig. 2 is a side elevation of the same, seen as indicated by arrow 2 in Fig. 1, parts being broken away. Fig. 3 is a view at the rear of the hood, indicated by arrow 3 in Fig. 1. Fig. 4, drawn to a larger scale, is a vertical transverse section of the hood, taken on the dotted line 4 4 in Fig. 1, showing the rear side of the camera-body.

In the drawings, A is the body of a photographic camera of any kind, B being my improved hood attached to the rear side or end, as when in use. This hood or sleeve is made of any suitable dark or opaque flexible material—as black fabric, india-rubber, or other material—adapted to exclude the light and to fold compactly into a small space convenient to be carried in the pocket. The hood is commonly tapered and open at the large end, where it is reduced in size by being puckered or gathered, and a strap or band, as an india-rubber string or cord *a*, Figs. 1 and 4, is run in or otherwise connected to skirt the gathered end, so as to adapt it to be spread and stretched over the end of the box A and so hold it to place thereon by being drawn up or by the elasticity of the india-rubber string. At its rear end the hood is provided with a plate D, preferably rectangular in shape, as of stiff leather, perforated or provided with peep-holes *b b*, Fig. 3, for the attendant to look through to see the object to be photographed.

Strips or slender strings *c* of india-rubber are provided to connect the plate D with the open or large end of the hood, commonly joined to the band *a*, to normally draw and

hold said plate near to the body A of the camera, and in using the hood the plate is pulled back by the artist against the action of the elastic strings *c*, as may be necessary for him to get a clear view of the exposure, said strings readily yielding to the pull upon them.

The number of the strips *c* is not essential, nor the exact places at which they are attached to the parts they connect; but I more commonly prefer to connect one at each corner of the plate D and equally space their forward ends upon the band *a*, so as to have them lead practically from the corners of the camera-body A, as shown, when the hood is placed thereon.

The cloth or sheet composing the sleeve is usually turned back over the edges of the plate D and stitched down, as indicated in Fig. 3.

What I claim as my invention is—

1. A detachable shading-hood for cameras, consisting of an inclosing sleeve gathered at one end, and an elastic string or band held by said gathered end, and a perforated plate at the opposite end of the sleeve, with means for drawing the plate normally toward said gathered end, substantially as shown and described.

2. A detachable shading-hood for cameras, consisting of a sleeve of opaque material, open at one end, and adapted to expand or contract, and a perforated plate to close the opposite end of said sleeve, and elastic strings connecting the plate with the open end of the sleeve, substantially as and for the purpose specified.

3. A device of the kind described, consisting of a tapered sleeve of opaque material, open at the large end and gathered thereat, and an elastic cord or band held by said gathered end, and a perforated rectangular plate secured at the small end of the sleeve, to close the latter and elastic strings connecting the corners of the plate and the large end of the sleeve, substantially as and for the purpose set forth.

In witness whereof I have hereunto set my hand, this 29th day of October, 1900, in the presence of two subscribing witnesses.

JAMES P. BALLOU.

Witnesses:

H. W. GUTHRIE,
F. W. GRIFFITH.