

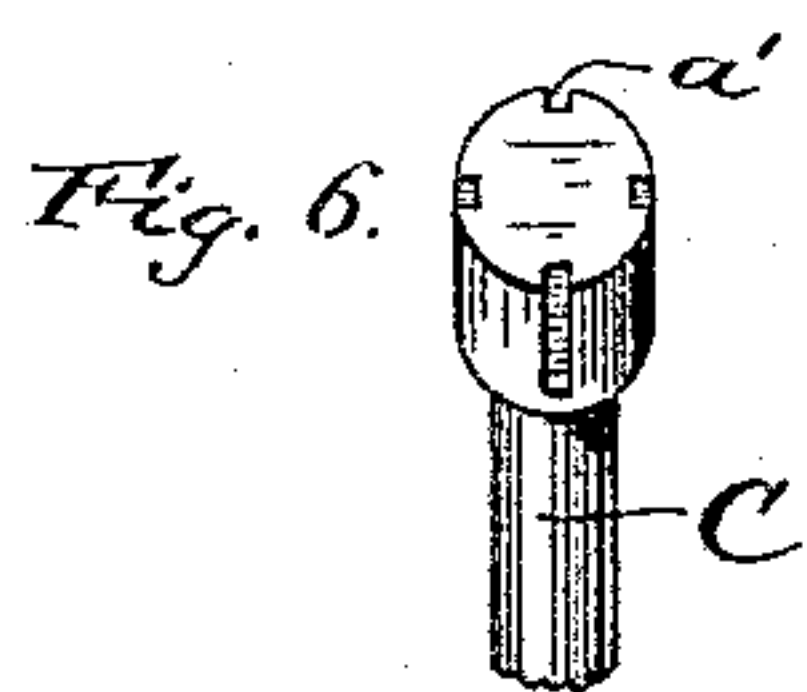
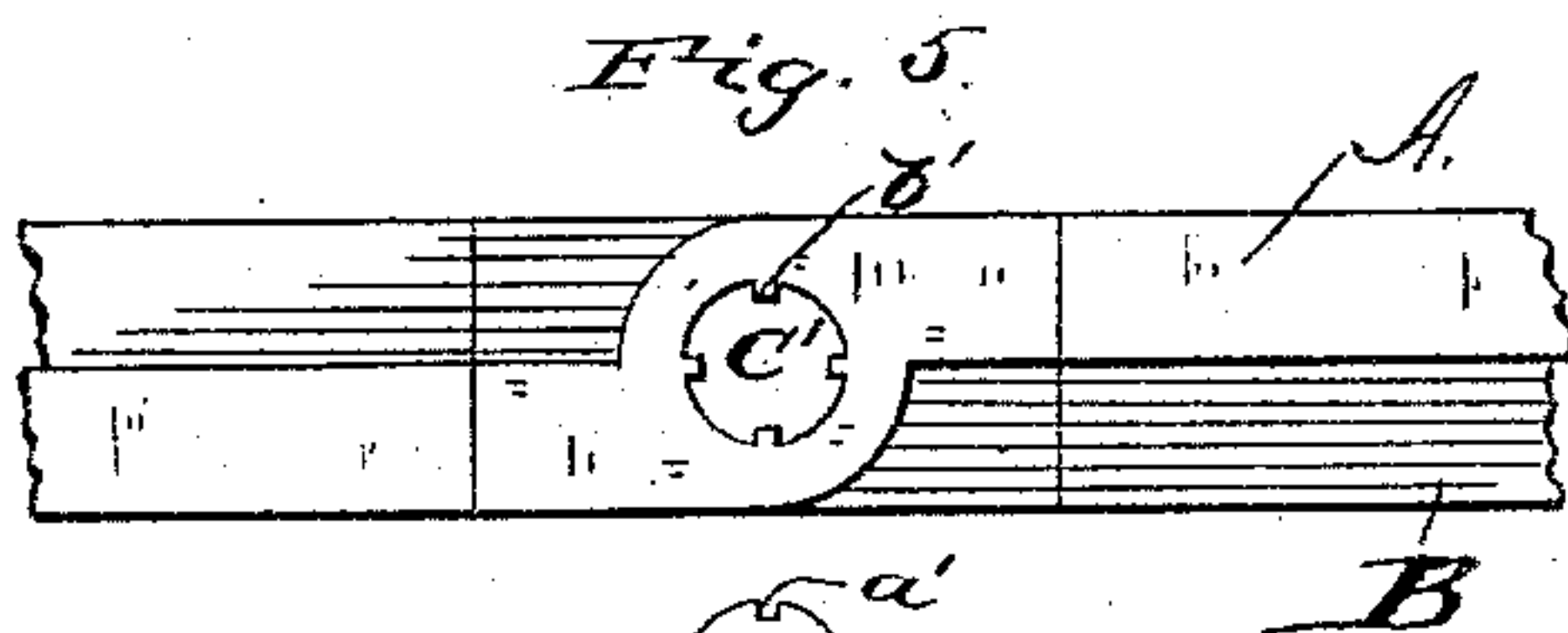
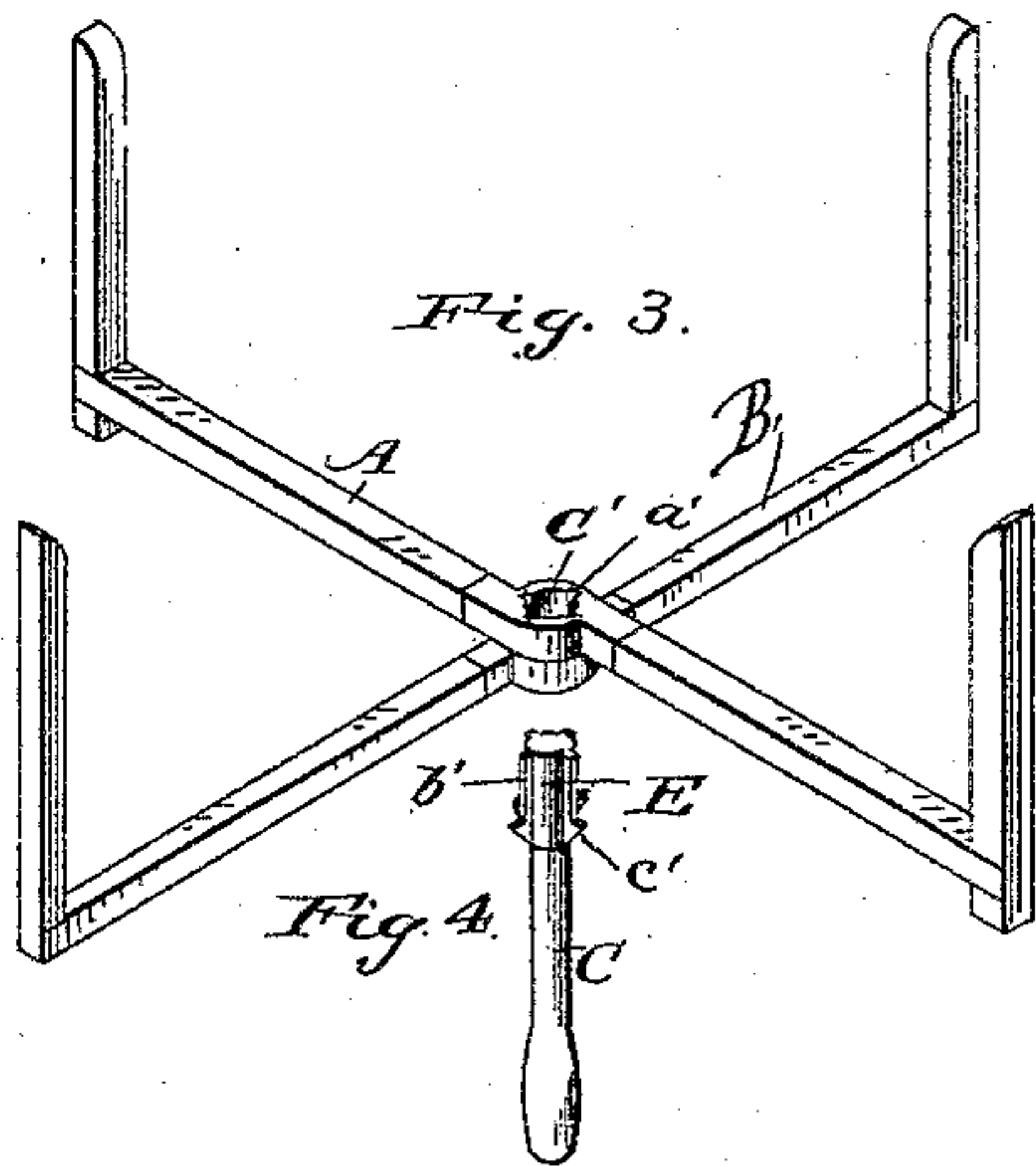
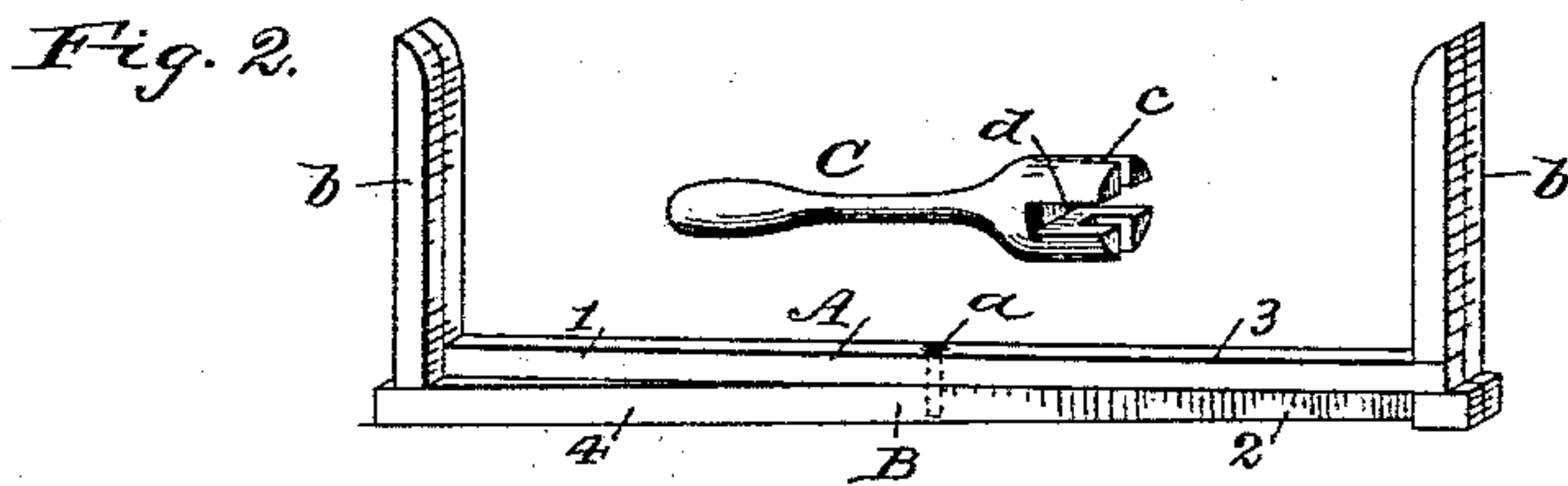
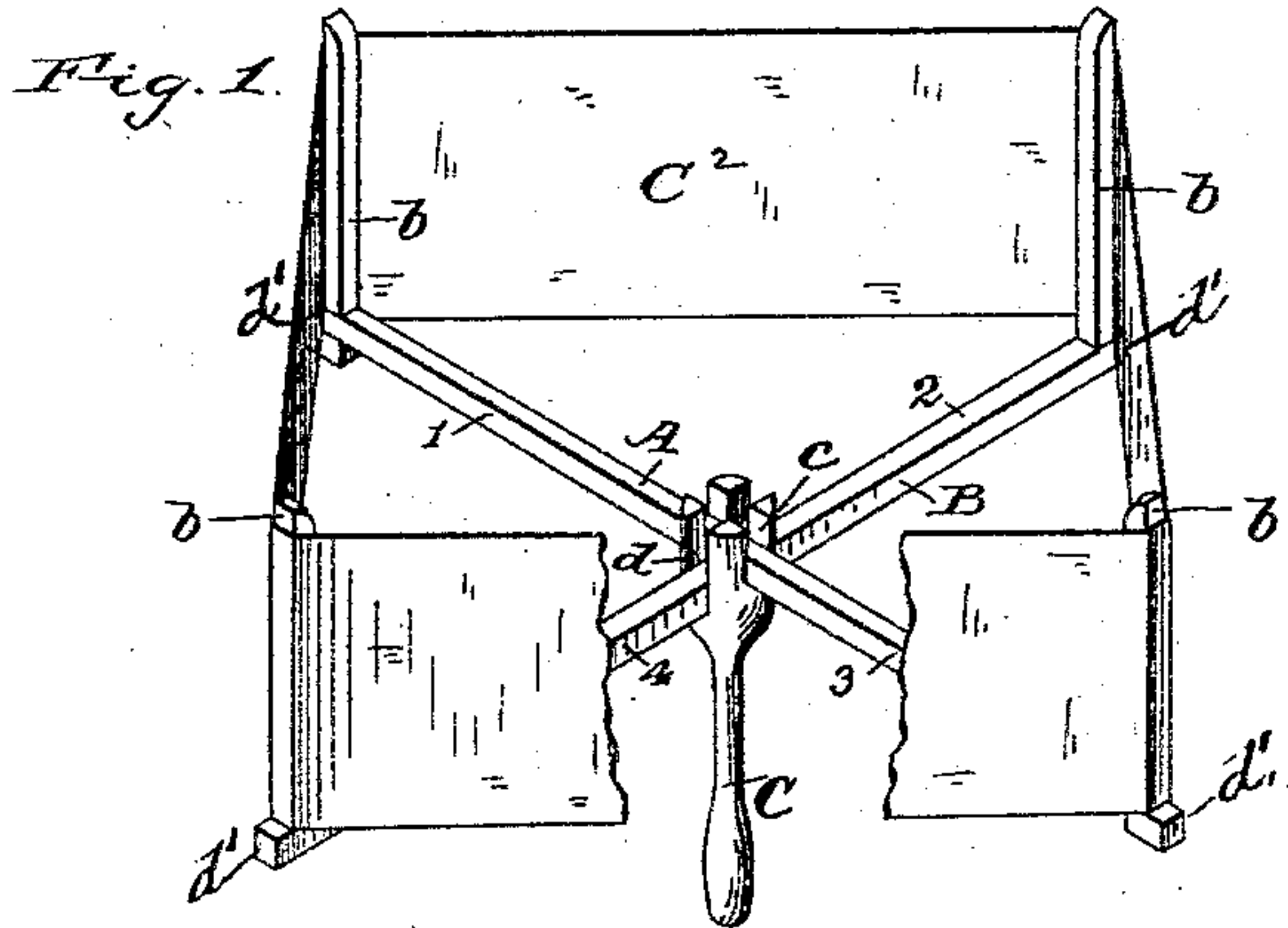
(No Model.)

W. H. BALL.

FRAME FOR TRANSPARENCIES.

No. 315,994.

Patented Apr. 21, 1885.



Witnesses:

H. A. Low
J. Walter Blandford

Inventor:

William H. Ball
by Ewell A. Spick
his Attorney

UNITED STATES PATENT OFFICE.

WILLIAM H. BALL, OF SPRINGFIELD, ASSIGNOR OF ONE-HALF TO EDWARD SACHS AND DAVID PRUDEN, OF DAYTON, OHIO.

FRAME FOR TRANSPARENCIES.

SPECIFICATION forming part of Letters Patent No. 315,994, dated April 21, 1885.

Application filed March 27, 1884. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. BALL, a citizen of the United States, residing at Springfield, in the State of Ohio, have invented certain new and useful Improvements in Frames for Transparencies and the Like, of which the following is a specification, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a perspective view of a device made in accordance with my invention. Fig. 2 is a view of the handle and frame separated, the frame being represented as folded. Figs. 3, 4, 5, and 6 represent modifications of my invention, which will be hereinafter more fully described.

This invention relates to devices or apparatus used for exhibiting signs, show-cards, and transparencies and the like, such as are used for advertising purposes and political cartoons for torch-light processions.

The object of this invention is to furnish a neat, cheap, light, and durable frame which is removable from its handle or standard, and can afterward be folded up so as to be packed in comparatively small space, whereby the same can be shipped at but little cost.

It has been a long felt desideratum in frames of this class to so construct them that they can be easily taken apart and packed in small space, and readily and quickly put together again for use. They will also occupy but little space in store-rooms and the manufacturing department. To this end I make use of two rails or arms, A B, which cross each other at their center, and are there secured together by means of a bolt or pivot, *a*, which allows of their being freely turned. It will thus be seen that I form in effect four projections or arms, 1 2 3 4. At each end of these arms I provide or attach an upright, *b*.

The handle or standard C may be of any desirable shape or construction. I prefer, however, to make it as shown in the accompanying drawings. I form two cross-cuts or slots, *c d*, in the upper end thereof, into which are placed at their point of crossing the rails A B. It will be observed that cross-cut or slot *d* is somewhat deeper than slot *c* for the reception of the lower arm, B, of the frame, so as to form

a neat and closely-fitting bearing for said arm. These cross pieces or arms A B may be made to project a slight distance beyond the uprights *b*, as shown at *d'* in Fig. 1, for preventing the canvas, C², or other suitable material which is placed upon or surrounds these uprights, from slipping or becoming displaced. Any suitable inscription may be placed upon the canvas or material used. A light or torch may be secured in or upon the upper part of the handle when the device is to be used as a transparency.

I have shown in Figs. 3 and 4 another way of carrying my invention into effect, the same representing a modification of my invention, and presenting in perspective, views, respectively, of the frame and handle. In this instance I also employ two rails or cross-pieces, A B, which are provided with central bores or orifices, C'. These bores or orifices have formed in their interior, at suitable spaces apart, vertical slots *a'*. There are four in the present instance; but more or less may be made use of.

The handle or standard C may be of any suitable construction. It is here represented as being cylindrical. A ring or cap, E, is placed over the bearing end of the handle, provided with ribs *b'* and projections *c'*. The ribs entering the slots *a'* of the bores C' in the rails A and B, hold said rails in an extended position, and the projections *c'* prevent the rails from slipping downward too far on the handle. In the skeleton frame thus formed may be placed a light or torch for the purpose of illuminating the same, so that any inscription or representation appearing upon the canvas or material used can be readily and distinctly seen.

The rails or arms, as shown in Figs. 3 and 4, are to be provided with uprights similar to those shown in Fig. 1.

I can also carry my invention into effect as shown in Figs. 5 and 6, in which case the slots *a'* are formed in the upper end of the handle at the same point where the ribs or beads *b'* now appear, and the ribs or beads are formed in the central bores, C', where the slots *a'* are now formed; or, if desired, the slots and ribs or projections may be dispensed with alto-

gether, and the bores in the cross-pieces made of such a size as to fit snugly upon the handle, and there be held in position by friction.

The frame may be made of wire or any suitable material, and it may be made, so far as shape is concerned, square, oblong, triangular, or hexagonal.

What I claim as new and of my own invention, and desire to secure by Letters Patent, is—

- 10 1. The combination, with the folding arms having uprights and pivoted at their central portions, of a handle having slots of different depths, as and for the purpose specified.
2. The combination, with the folding arms

A and B, pivoted at their central portions and provided with uprights *b* at their outer ends, of the handle C, having the slots *c* and *d*, of different depths, the former adapted to receive the arm A and the latter the arm B, to lock both arms in an extended position, as shown and described.

In testimony whereof I have hereunto set my hand this 14th day of March, 1884.

WILLIAM H. BALL.

Witnesses:

M. T. BURNHAM,
E. P. YOUNG.