

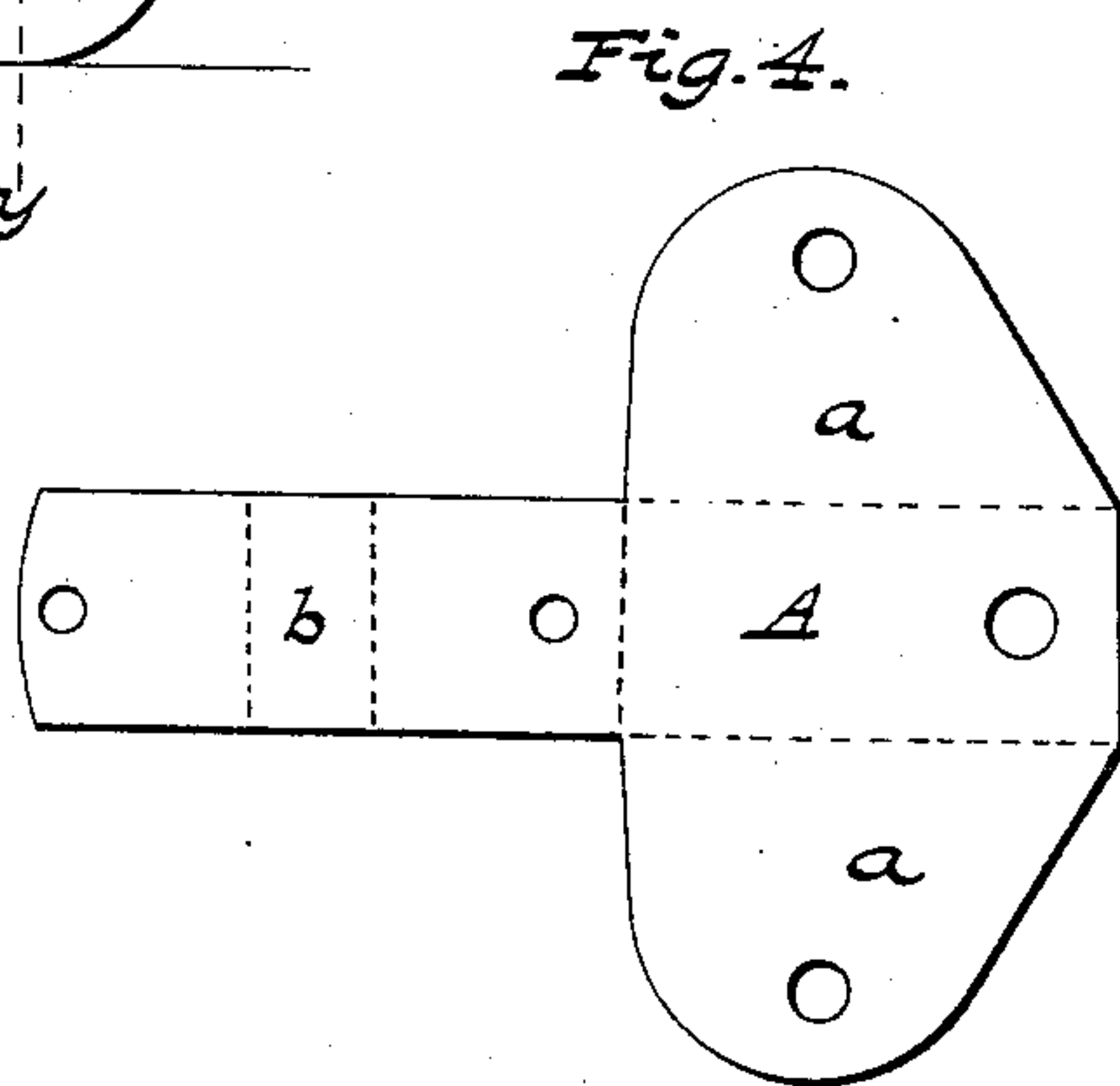
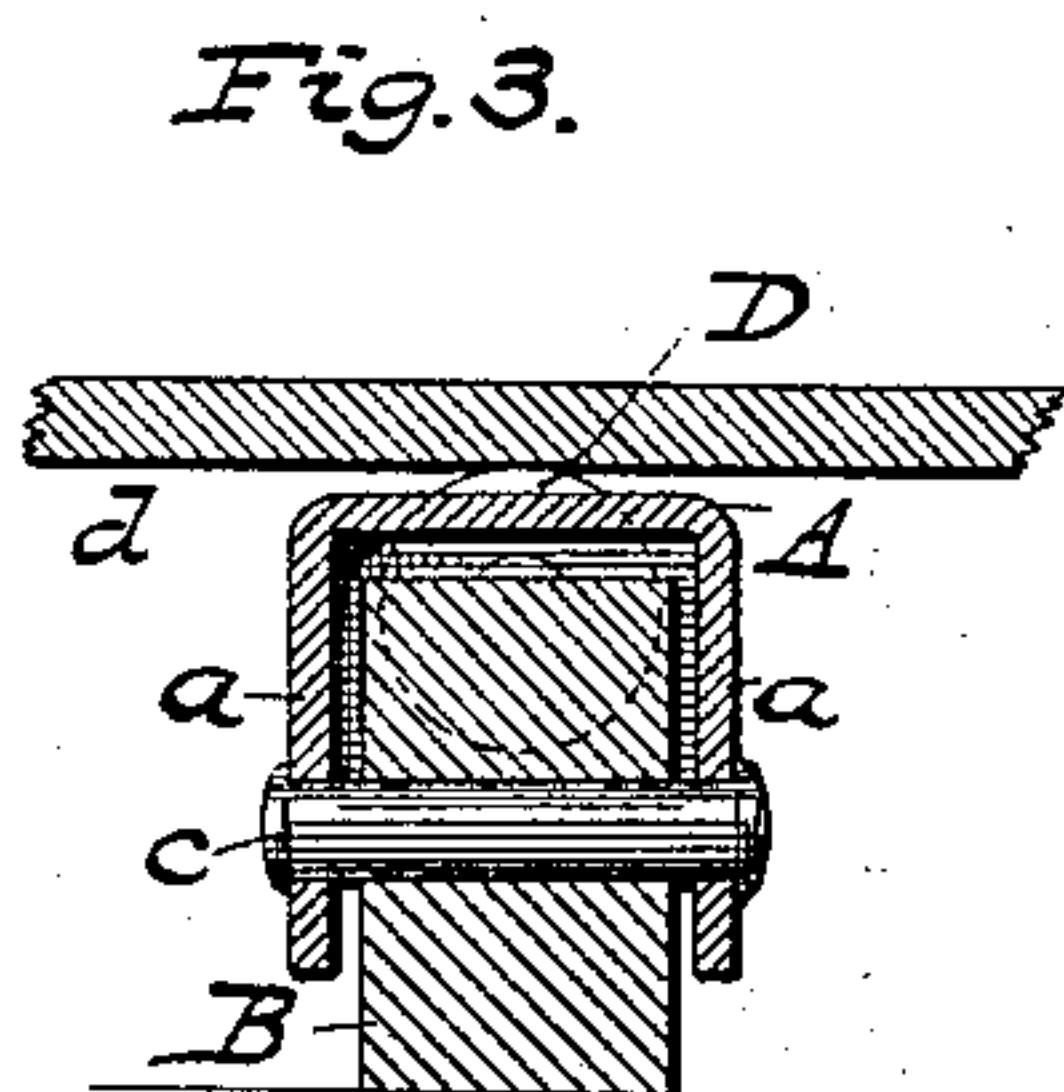
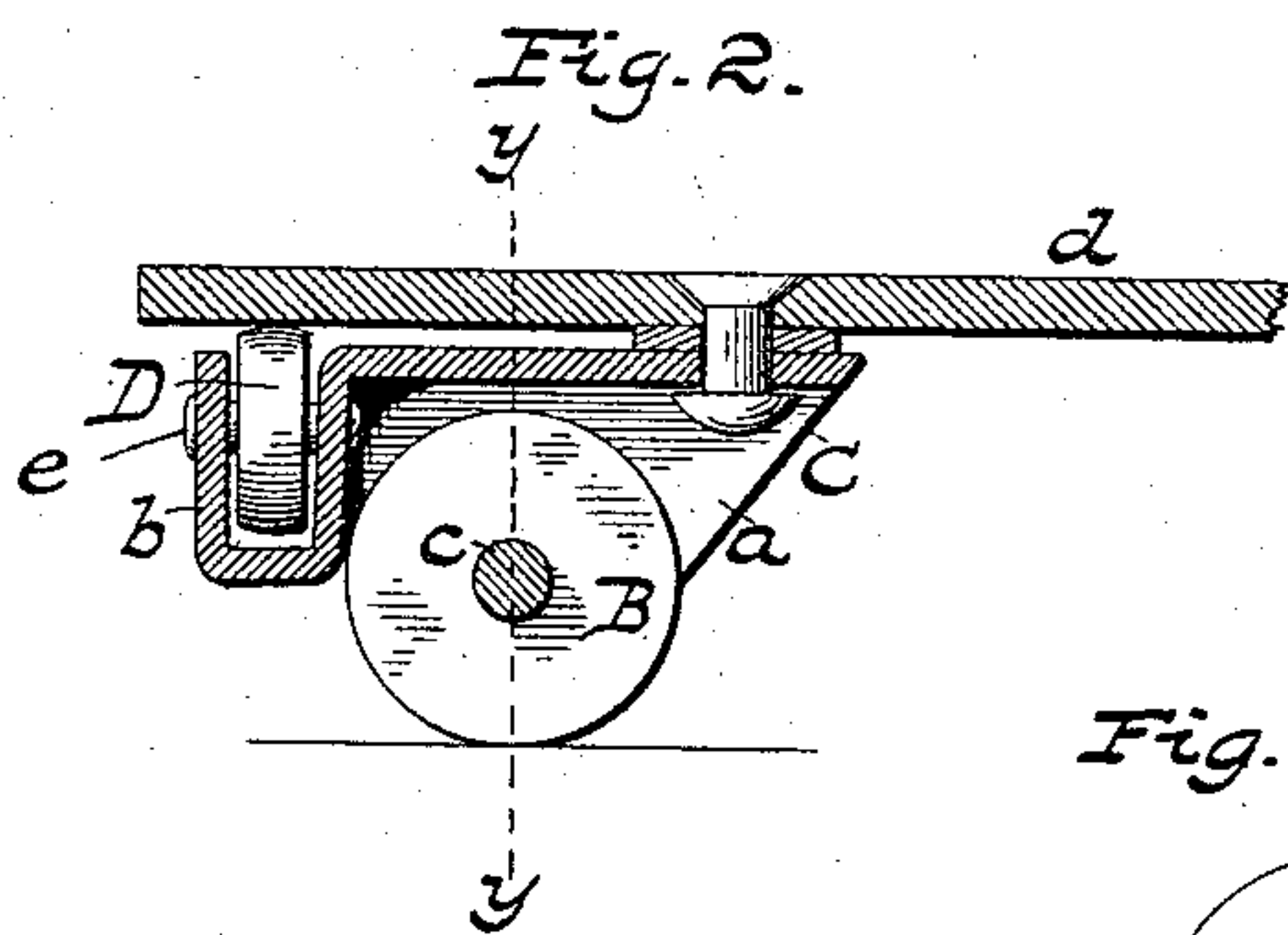
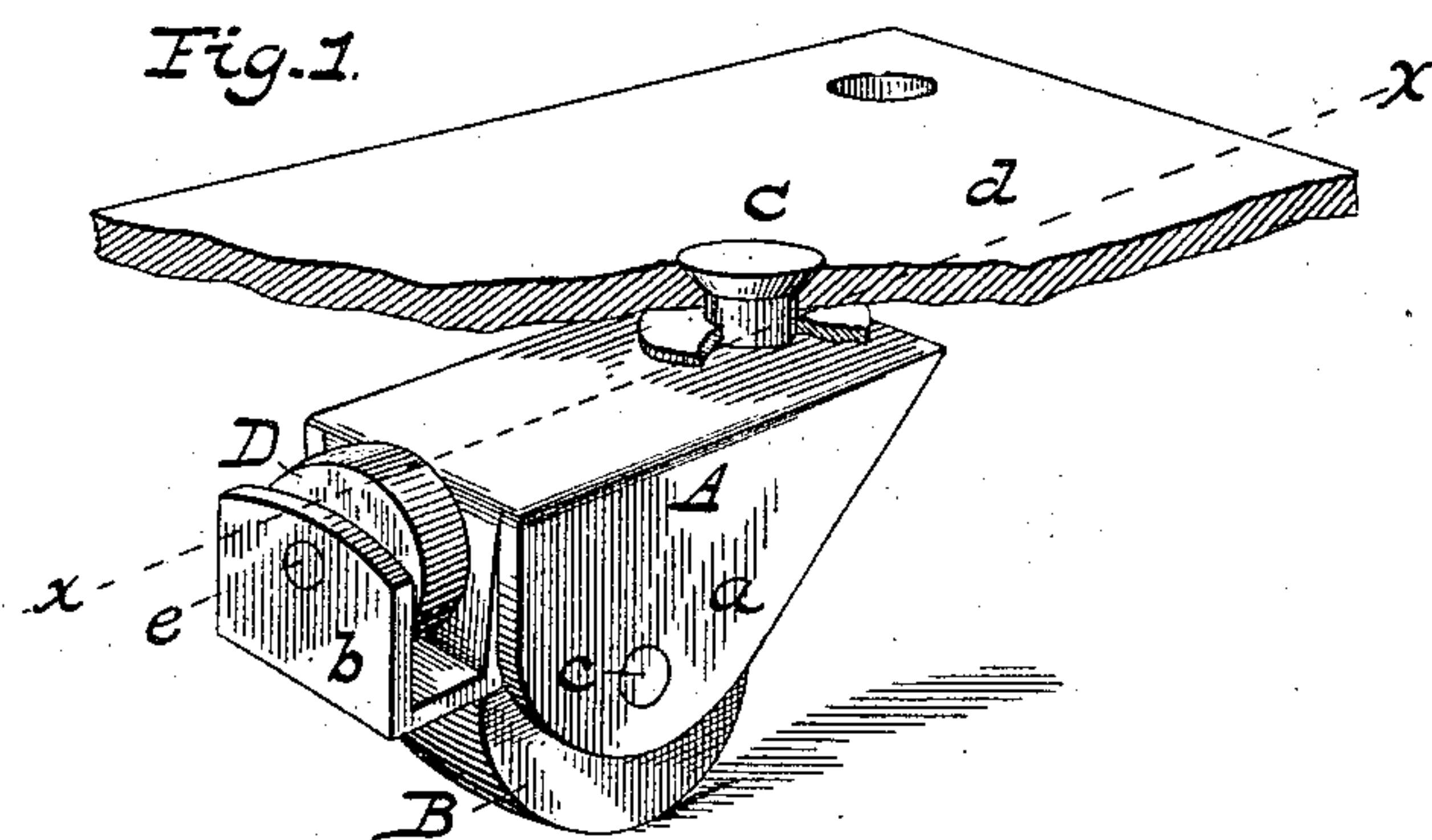
(No Model.)

A. C. FRANKEL.

CASTER.

No. 338,636.

Patented Mar. 23, 1886.



Witnesses:

James F. Duffame
Walter S. Dodge

Inventor:

Alexander C. Frankel,
by Dodge & Son,
his Attys.

UNITED STATES PATENT OFFICE.

ALEXANDER C. FRANKEL, OF NEWARK, NEW JERSEY, ASSIGNOR TO JACOB LAGOWITZ, OF SAME PLACE.

CASTER.

SPECIFICATION forming part of Letters Patent No. 338,636, dated March 23, 1886.

Application filed December 11, 1885. Serial No. 185,376. (No model.)

To all whom it may concern:

Be it known that I, ALEXANDER C. FRANKEL, of Newark, in the county of Essex and State of New Jersey, have invented certain
5 new and useful Improvements in Casters, of which the following is a specification.

My invention consists in a caster for trunks, furniture, &c., consisting of a frame or casing bent up from a suitable sheet-metal blank
10 and pivoted to a top plate, a main roller carried by an axle in said frame, and a smaller roller carried by the outer or moving end of said frame and adapted to bear against the top plate of the caster.

15 In the drawings, Figure 1 is a perspective view of my improved caster; Fig. 2, a section on the line *xx* of Fig. 1; Fig. 3, a section on the line *yy* of Fig. 2, and Fig. 4 a detail view.

20 The purpose of my invention is to provide a caster which shall withstand rough usage and answer quickly to any change of direction given to the article to which it is applied.

25 A indicates the casing or sheath, made preferably of a single piece of sheet metal, of the form shown in Fig. 4, and bent up to proper form, as shown in Figs. 1, 2, and 3 and by dotted lines in Fig. 4. The sheath or casing
30 has two side lips, *a*, and an intermediate tongue, *b*, perforated at suitable points, as shown, for the pivots of the two rollers or wheels and for the attaching-pivot.

B indicates the main roller or wheel, said
35 wheel being free to rotate upon its pivot-pin *c*, riveted at each end in the side wings, *a*, of the casing or sheath A, as shown in Fig. 3.

C indicates the pivot or journal by which the caster is secured to its top plate, *d*, which
40 latter is in turn secured to the article on which the caster is to be used. The pivot C is riveted to the sheath or casing A and to the plate *d*, as clearly shown in Fig. 2, care being taken to allow a little space between the sheath or
45 casing and the plate *d*, as shown in Figs. 2 and 3.

As shown clearly in Figs. 1 and 2, the tongue *b* of the sheath or casing A is bent downward at the point of juncture with the lips *a*, at

right angles thereto, is then bent outward at 50 right angles, and finally bent upward again at right angles until its outer end is nearly in line with the top of the sheath, as shown. When thus bent, it will be seen that the tongue *b* forms a socket for the friction-wheel D. 55

The friction-roller D is journaled and free to rotate upon a spindle, *e*, riveted in the tongue *b*, as shown, said spindle being at right angles to the spindle *c* of wheel B.

The wheel D bears upon the plate *d*, as 60 shown in Fig. 2, at about the same distance in rear of the axis of wheel B as the pivot C is in front of the latter.

From this construction it will be seen that the wear is equally distributed on the pin *c* 65 and friction-roller D, as each is the same distance from the bearing-point of wheel B.

The casing may be of cast metal, if preferred, and its design and proportions may vary as desired. 70

Instead of a rivet connecting the top plate and the casing or frame, a pin may be cast upon or attached to one of said parts and arranged to enter a socket in the other.

I am aware that it is not broadly new to 75 place the friction-wheel and the pivot of a caster respectively in rear and in advance of the pivot of the main wheel.

Having thus described my invention, what I claim is— 80

1. A casing for casters made of a single piece of sheet metal and provided with a socket for the main wheel and socket for a friction-wheel, substantially as shown.

2. The herein-described caster, consisting of 85 the top plate, a sheet-metal frame or casing pivotally connected therewith and having sides *a a* and portion *b*, roller B, mounted upon an axle between the sides *a a*, and roller D, carried by an axle in the part *b* and arranged to bear against the plate at the end of the casing farthest removed from the pivot of said casing. 90

ALEXANDER C. FRANKEL.

Witnesses:

FREDERICK W. HEILMAN,
MORRIS EPSTEIN.