

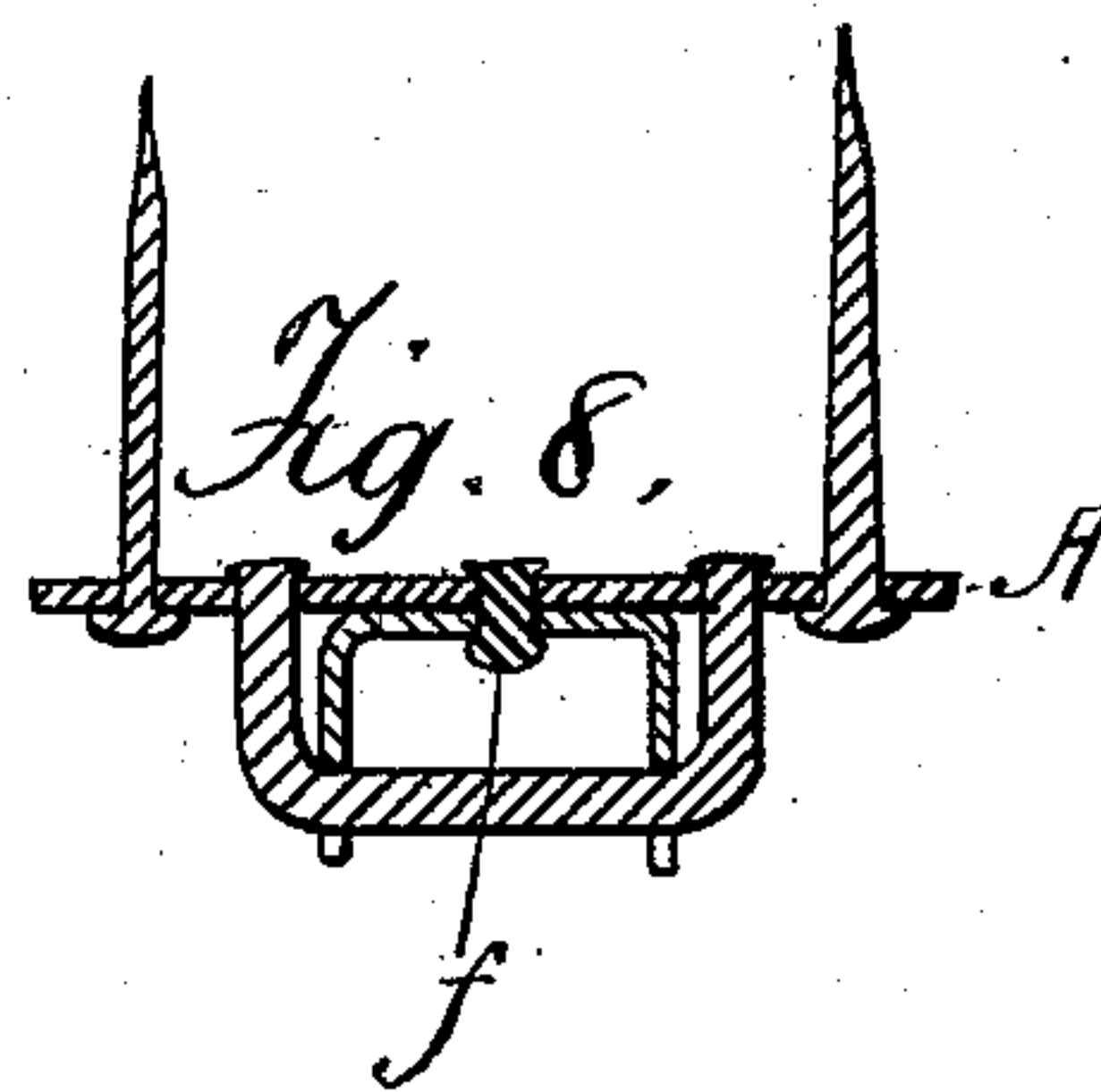
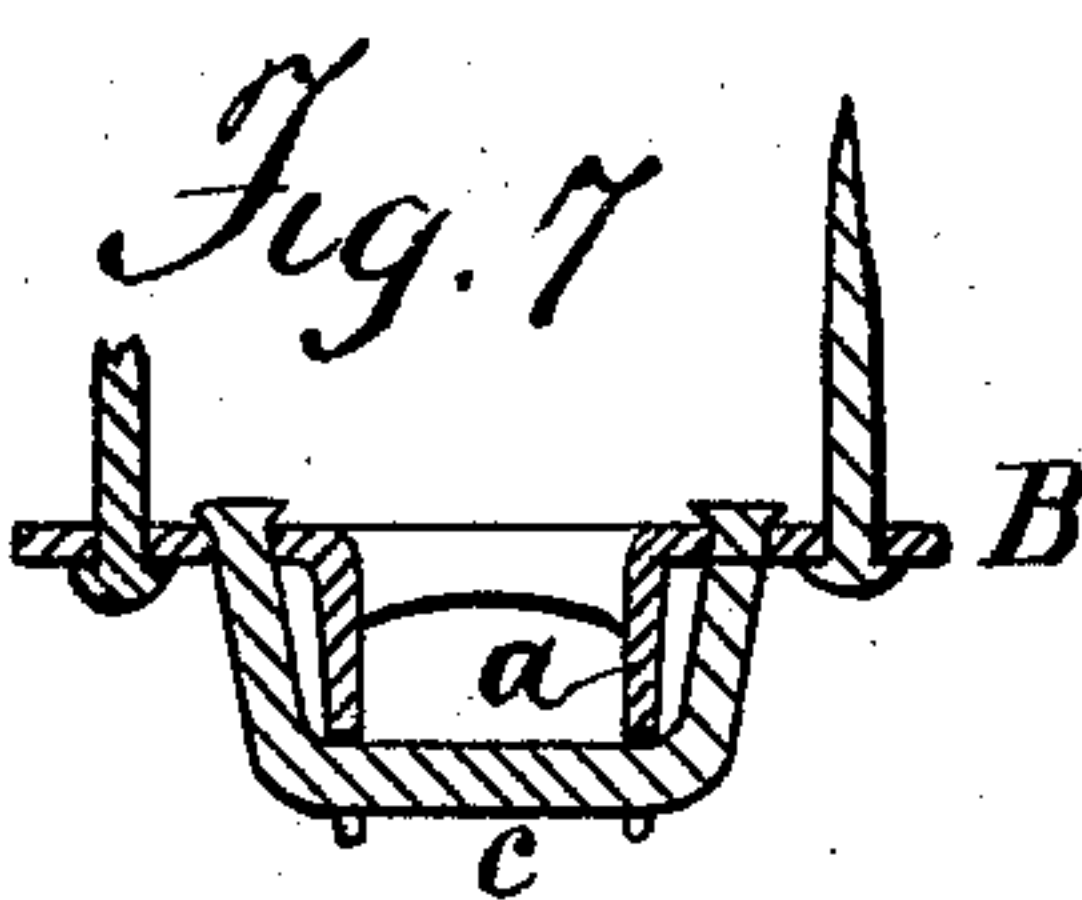
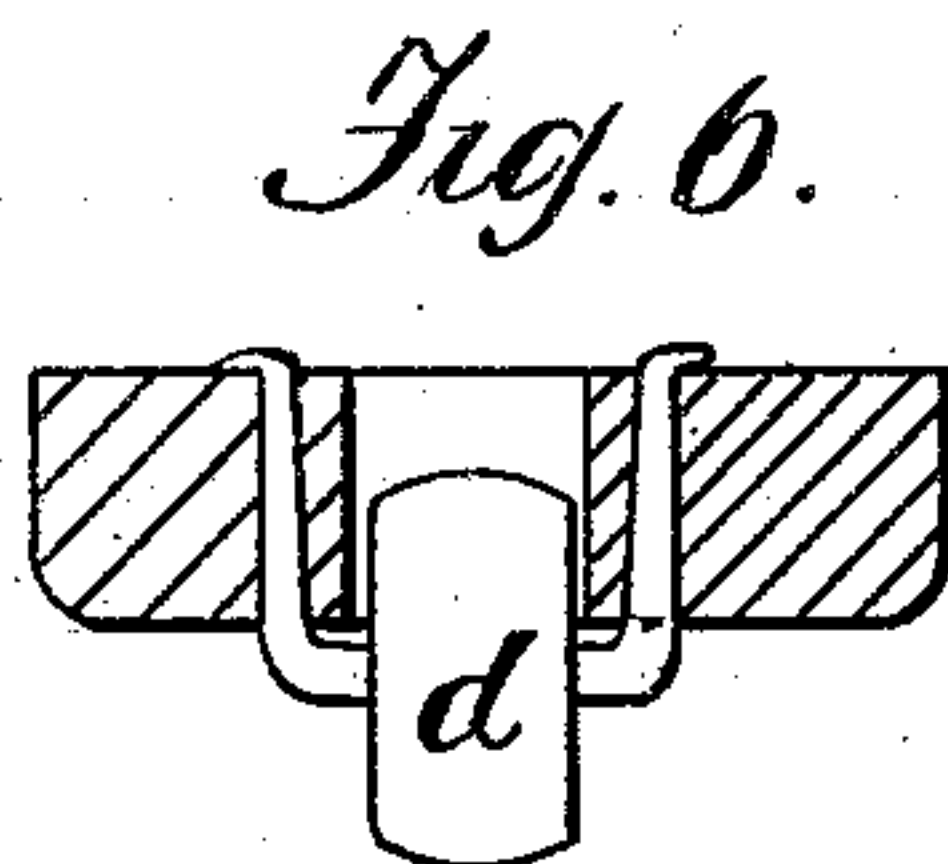
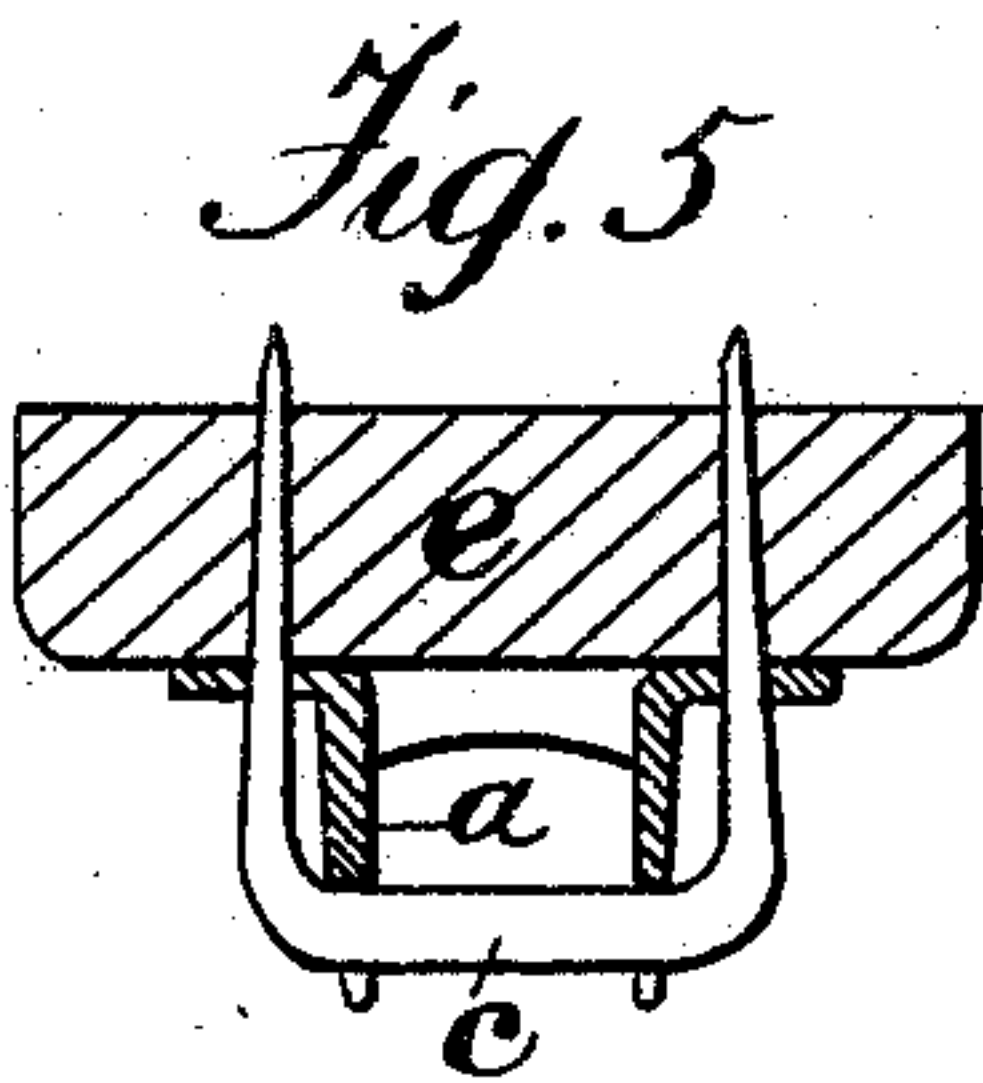
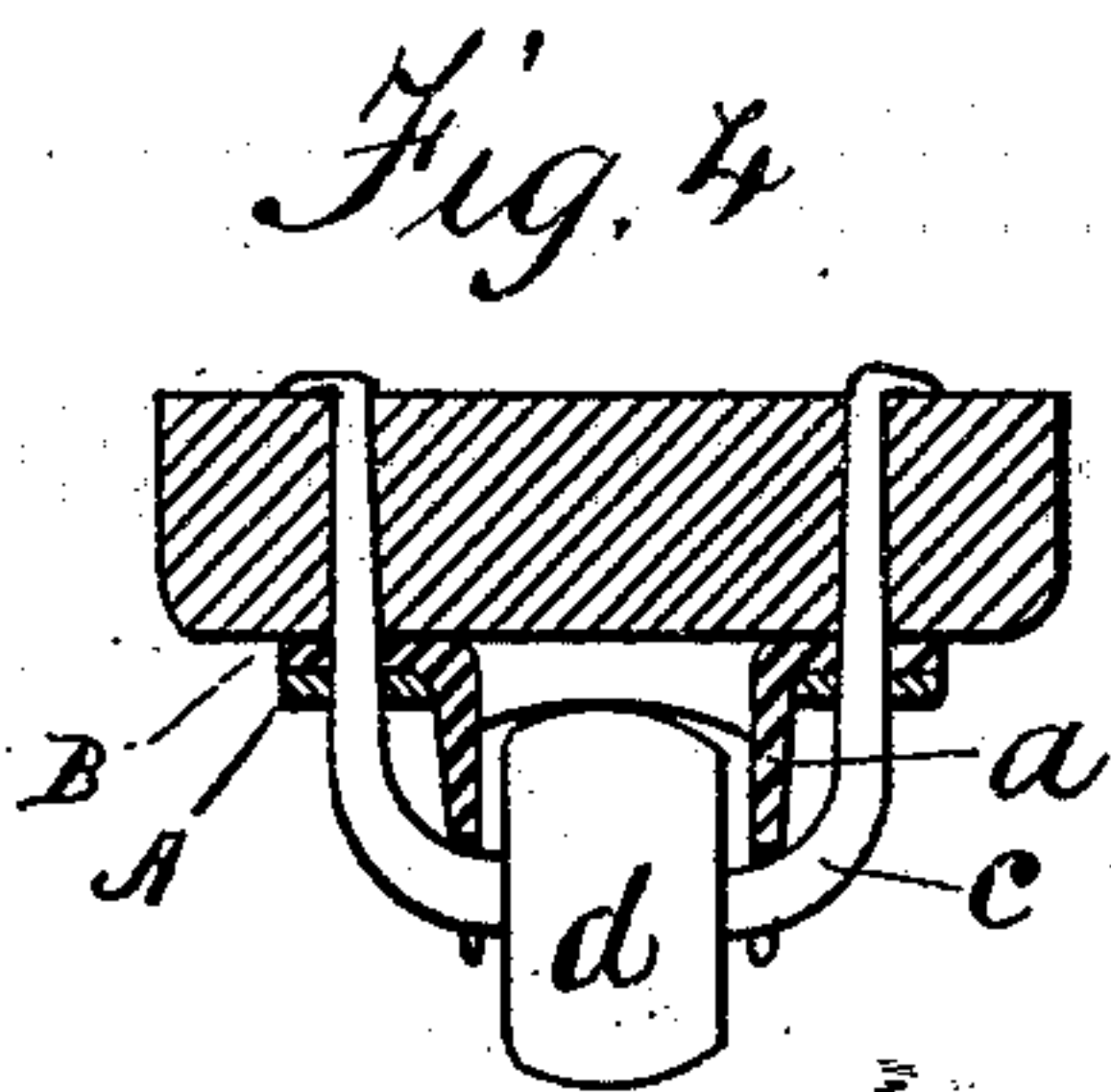
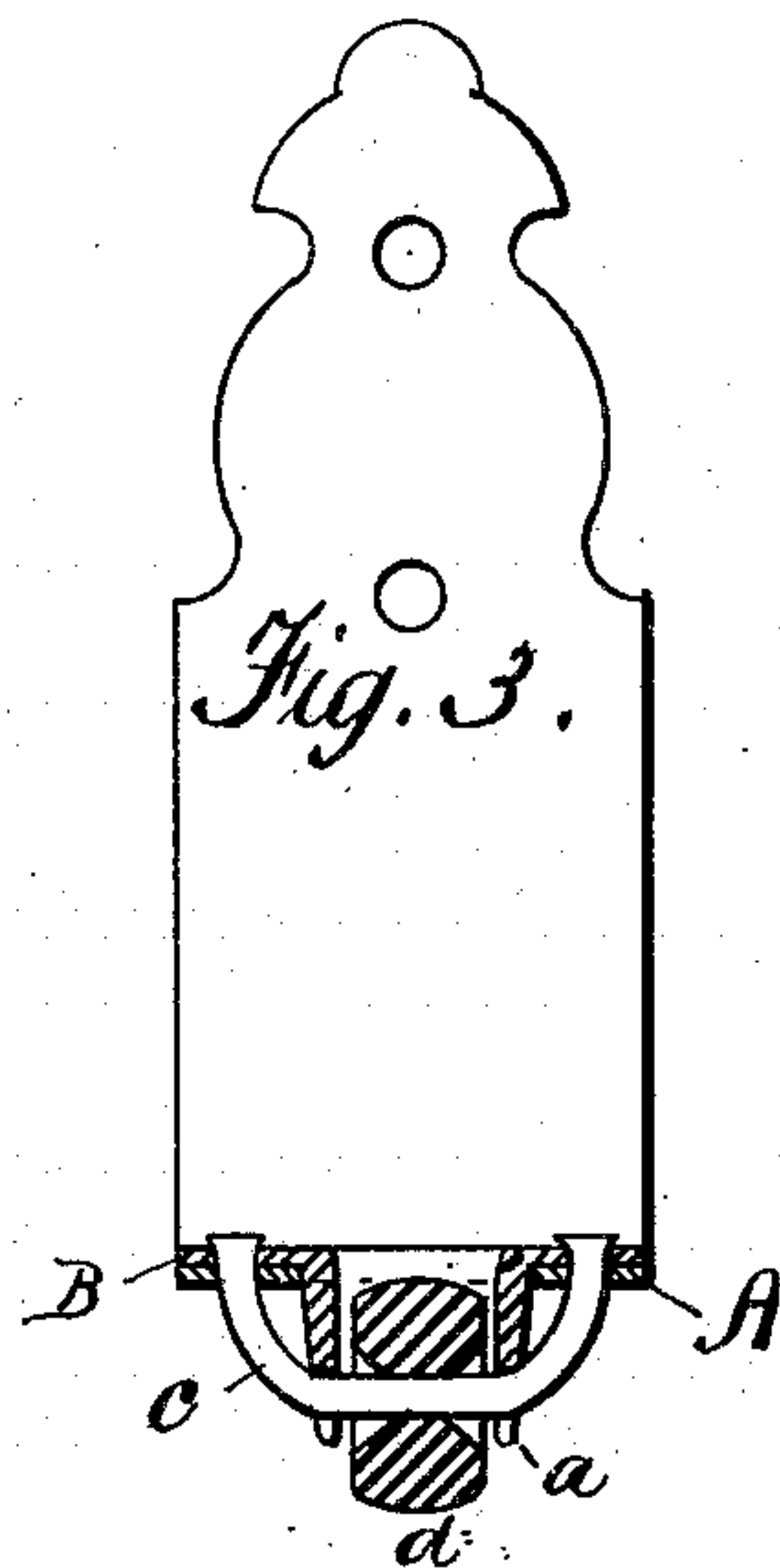
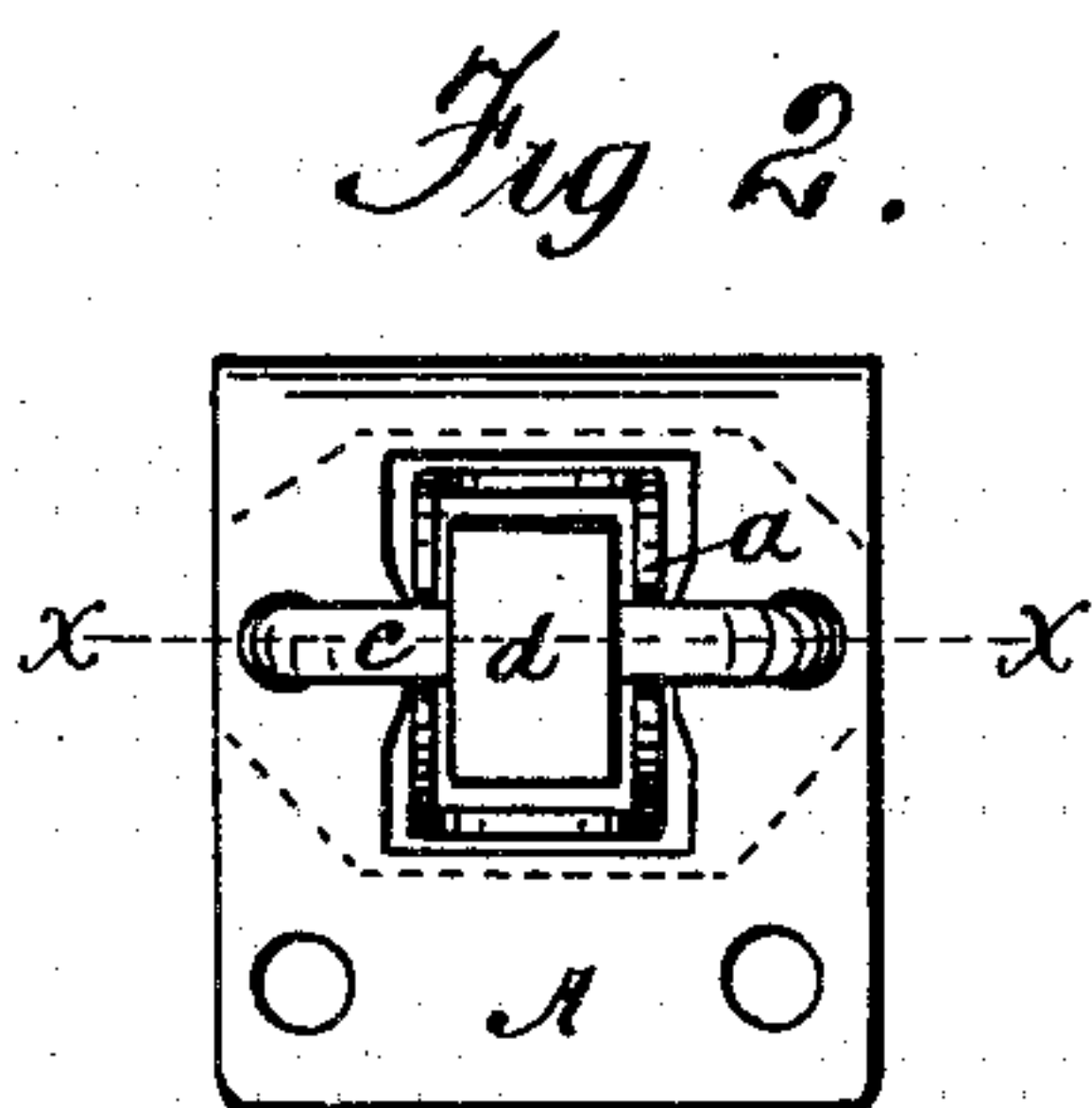
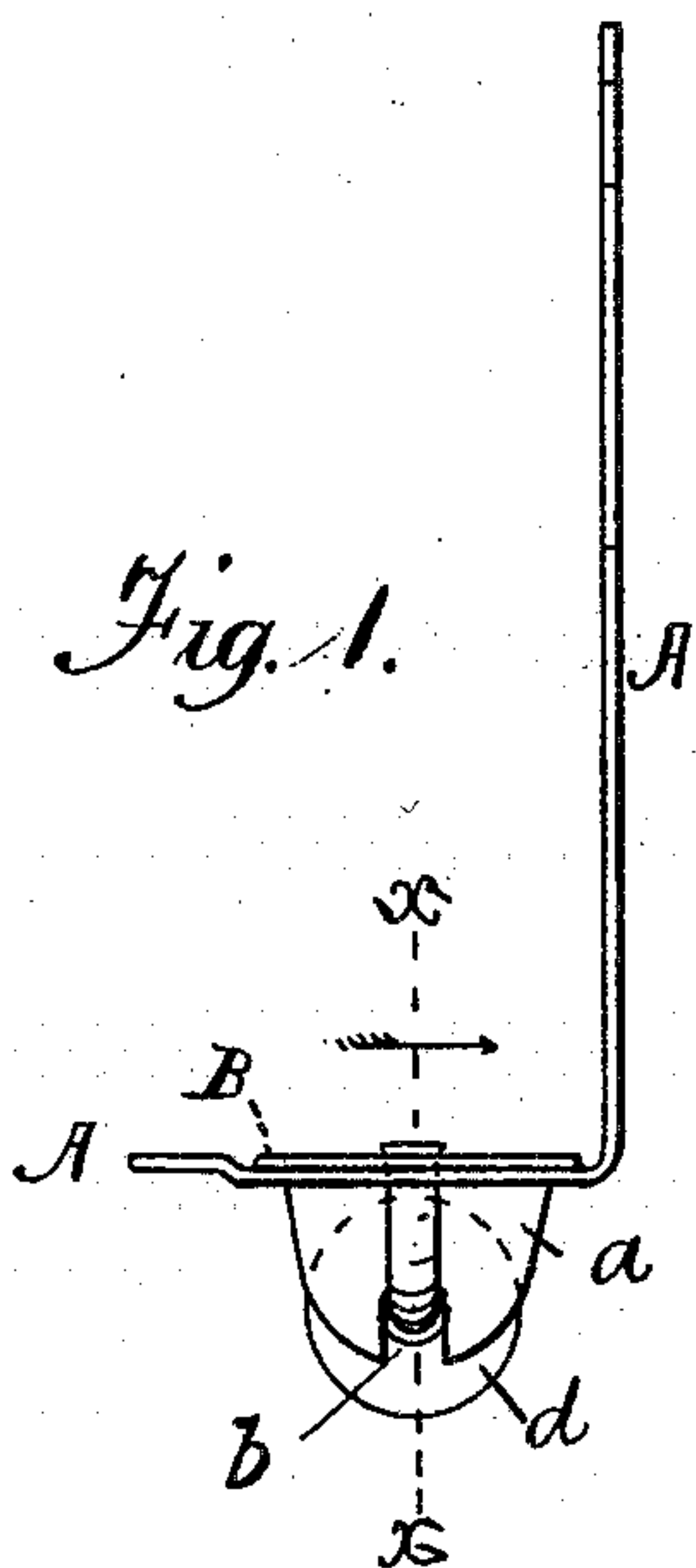
(Model.)

J. J. COWELL.

TRUNK CASTER.

No. 256,643.

Patented Apr. 18, 1882.



Attest:
Charles H. Rice
Chas. Herr.



Inventor:
John J. Correll.
by O. Drake, Atty.

UNITED STATES PATENT OFFICE.

JOHN J. COWELL, OF NEWARK, NEW JERSEY.

TRUNK-CASTER.

SPECIFICATION forming part of Letters Patent No. 256,643, dated April 18, 1882.

Application filed August 9, 1881. (Model.)

To all whom it may concern:

Be it known that I, JOHN J. COWELL, a resident of Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Trunk-Casters; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

The object of this invention is to reduce the cost of construction and to increase the comparative durability and effectiveness of the roller.

The invention consists in the arrangement, conformation, and combination of parts, substantially as will be herein described, illustrated, and finally embodied in the claims.

Referring to the accompanying drawings, in which similar letters of reference indicate like parts in each of the several figures, Figure 1 is a side elevation of my device; Fig. 2, a bottom plan, and Fig. 3 a sectional view, of the same, the latter taken through line *x*. The remaining figures are modifications of the device, all of which, however, embody the invention.

In carrying out my invention I construct or may construct a frame, A, which may be either a corner-iron, as in Figs. 1, 3, and 9, or a simple perforated plate, as in Fig. 4, through which a second plate, B, with depending roller-bearings, passes; or, again, it may be a plain plate, as in Fig. 8, having the secondary plate secured to it; or, finally, said plate A may be done away with entirely, as in Figs. 5, 6, and 7. Upon said perforated plate A is or may be secured a plate, B, having the bearings *a*, which pass through the perforation in plate A, said bearings having therein recesses *b*, adapted to receive the journal *c*, which carries the roller *d*. Said journal *c* is bent upward after leaving the said bearings, as shown in the several figures, and is secured to either of the plates or otherwise, said journal thus forming a U-shaped pivoted rivet, as shown, and which is the more especial feature of this invention. Said U-shaped rivet may, after passing through the roller and the recessed bearings, pass

through the plates A B and be riveted, as shown in Figs. 1 and 3, securely uniting all the parts; or it may pass through a surface-plate and the cleat *e*, as in Fig. 5, and unite said cleat and plate; or it may pass through both plates and cleat and be riveted or clinched, as in Fig. 4; or both plates A and B may be done away with, and the U-shaped journal may simply pass through the cleat and be clinched. Again, I may construct a surface-plate with depending bearings formed integrally therewith, and the U-shaped journal be riveted upon the upper surface of the plate, as in Fig. 7; or the depending bearings may form a separate piece or pieces and be riveted or otherwise secured, as at *f*, Fig. 8, the U-shaped journal being secured as before. Again, I may secure the roller by means of the U-shaped riveting-journal directly to the corner-iron, as shown in Fig. 9, in which case I may strike out or otherwise form recessed-lugs or bearings *a'*, to brace the said journal, and the roller will work in the perforation therein. It is evident that the vertical portion of the said corner-irons may be removed, making a bottom or surface roller.

My method of securing the plates together offers several advantages of great practical importance. In the first place the form and arrangement of the U-shaped journal, in connection with the depending bearings, produces a combination of great strength, as said parts act as protecting braces and guards to one another. Again, the several parts may be placed in relative positions and be secured with great rapidity and ease, and therefore with but little expense; and, finally, the simplicity of construction and adjustment of the parts, as illustrated in Figs. 5 and 6, and the comparative strength of the same, are strikingly apparent. It will further appear that the perforations for the journal that have heretofore been punched out after the plate is formed are done away with in my device, and the recesses *b* corresponding thereto are cast (when the device is cast) at once with the plate, thus saving said punching operation.

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

1. In a trunk-caster, a U-shaped journal

carrying a roller, the former passing through the latter and having its extremities upwardly returned and adapted to be secured, substantially as and for the purposes herein set forth 5 and shown.

2. In combination in a trunk-caster, a U-shaped journal carrying a roller, and a plate adapted to receive the extremities of said journal, arranged and operating substantially as 10 and for the purposes set forth and shown.

3. In combination, a plate having bearings for the horizontal part of the U-shaped journal, and a U-shaped journal the horizontal portion of which carries a roller, the whole being 15 arranged and operating substantially as and for the purposes herein set forth and shown.

4. In a trunk-caster, a U-shaped roller-bearing journal riveted to a plate perforated or recessed to admit the roller, substantially as and 20 for the purposes set forth and shown.

5. The combination of plates A B, the latter having depending bearings, a U-shaped journal carrying a roller, all of said parts be-

ing arranged and operating substantially as and for the purposes herein set forth and shown. 25

6. In combination in a trunk-caster, the plates A B, the latter having depending recessed bearings, and a U-shaped journal passing through said plates and securing all said parts together, the whole being arranged and 30 operating substantially as and for the purposes set forth and shown.

7. The combination, in a trunk-caster, of the plate A, perforated to admit the roller, the plate B, having depending journal-bearings 35 passing through said perforated plate, and a U-shaped journal, all of said parts being arranged and operating substantially as herein set forth and shown.

In testimony that I claim the foregoing I 40 have hereunto set my hand this 8th day of August, 1881.

JOHN J. COWELL.

Witnesses:

CHARLES H. PELL,
OLIVER DRAKE.