

(No Model.)

L. B. DENTON.
CASTER.

No. 600,977.

Patented Mar. 22, 1898.

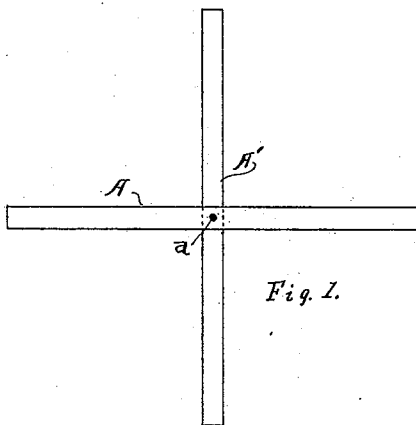


Fig. 1.

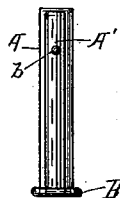


Fig. 2.

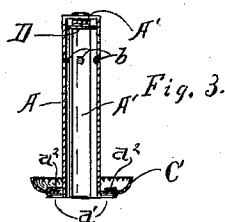


Fig. 3.

Fig. 4.

Witnesses.

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UNITED STATES PATENT OFFICE.

LEMI B. DENTON, OF GRAND RAPIDS, MICHIGAN, ASSIGNOR OF ONE-HALF
TO JAMES DOLBEE, OF SAME PLACE.

CASTER.

SPECIFICATION forming part of Letters Patent No. 600,977, dated March 22, 1898.

Application filed August 27, 1897. Serial No. 649,777. (No model.)

To all whom it may concern:

Be it known that I, LEMI B. DENTON, a citizen of the United States, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Caster-Cases, of which the following is a specification.

My invention relates to improvements in cases for receiving and holding the pintles of removable casters; and its objects are, first, to economize in the use of material for constructing these cases, and, second, to provide a case for removable casters, of thin material, that has a top bearing for the pintle. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a plan of the blank-stock in position for forming the case. Fig. 2 shows a case having a ring turned into the lower end, so that it may be used as a tube only. Fig. 3 is a vertical section of a case, showing the manner of securing it to a track-plate; and Fig. 4 is an elevation of a rivet to be riveted at the top of the case to form a bearing.

Similar letters refer to similar parts throughout the several views.

In constructing my cases I cut two narrow long strips of metal A A' of a proper width to form the desired size of round tube and of a proper length to fold over, as in Figs. 2 and 3, and make a tube of the proper length to receive the length of the caster-pintle and give it a desirable bearing at the upper end, which I press to the form shown in Fig. 2, and form a small inwardly-projecting point, as b, near the top of the case, which acts the double purpose, first, of securing the case to the forming-pin in the press sufficiently to insure drawing the case out of the forming-mold with the pin, and, second, to engage the knob on the top of the caster-pintle to prevent it from dropping out of the case.

Of late many caster-cases are used simply as tubes with no track-plate attached. For the purpose of availing myself of the ability to form this tube I fold a wire ring in the lower ends of the tube, as indicated at B in Fig. 2; but when I desire to use a track-plate I form small mortises through the plates C

and pass the ends a' along the lower surface and through the mortises and fold them down, as at a^2 , so that the tube and track-plate are securely joined together.

a represents a rivet-hole for securing the strips A A' together, and I sometimes use a broad-headed rivet, as D, which I place with the head inside of the case, as in Fig. 3, so that it will form a bearing for the end of the caster-pintle and thus doubly strengthen the bearing at the top of the case. With this form of tube the bearing in the wood is designed to be principally at the top and bottom, and the body of the tube—that is, the strips between the top and bottom—is designed to spring sufficiently to allow the head of the pintle to pass the projections b. In lieu of using the projections the strips may be slightly curved inward to engage the pintle.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. A caster-case made of two narrow strips placed at right angles and folded to form a tube, each strip forming two opposite sides of the tube, and means for securing the lower ends to form the case, substantially as and for the purpose set forth.

2. The combination, in a caster-case, of a track-plate, with two narrow strips of thin metal crossed at the center and folded to form the tube, the lower ends of said strips turned out and up to engage with small mortises in the track-plate through which they pass and are clenched on the upper side, substantially as and for the purpose set forth.

3. A caster-case formed of two narrow strips crossed at the center and folded down to form the tube, a rivet inserted at the top to hold the strips to place and form a bearing for the end of the pintle, and the lower end of the strips secured to form a solid-ended tube, substantially as and for the purpose set forth.

Signed at Grand Rapids, Michigan, this 24th day of August, A. D. 1897.

LEMI B. DENTON.

Witnesses:

JAMES DOLBEE,
I. J. CILLEY.