

No. 773,717.

PATENTED NOV. 1, 1904.

D. P. CRAVER & T. H. GILLETTE.

HINGE.

APPLICATION FILED MAY 2, 1904.

NO MODEL.

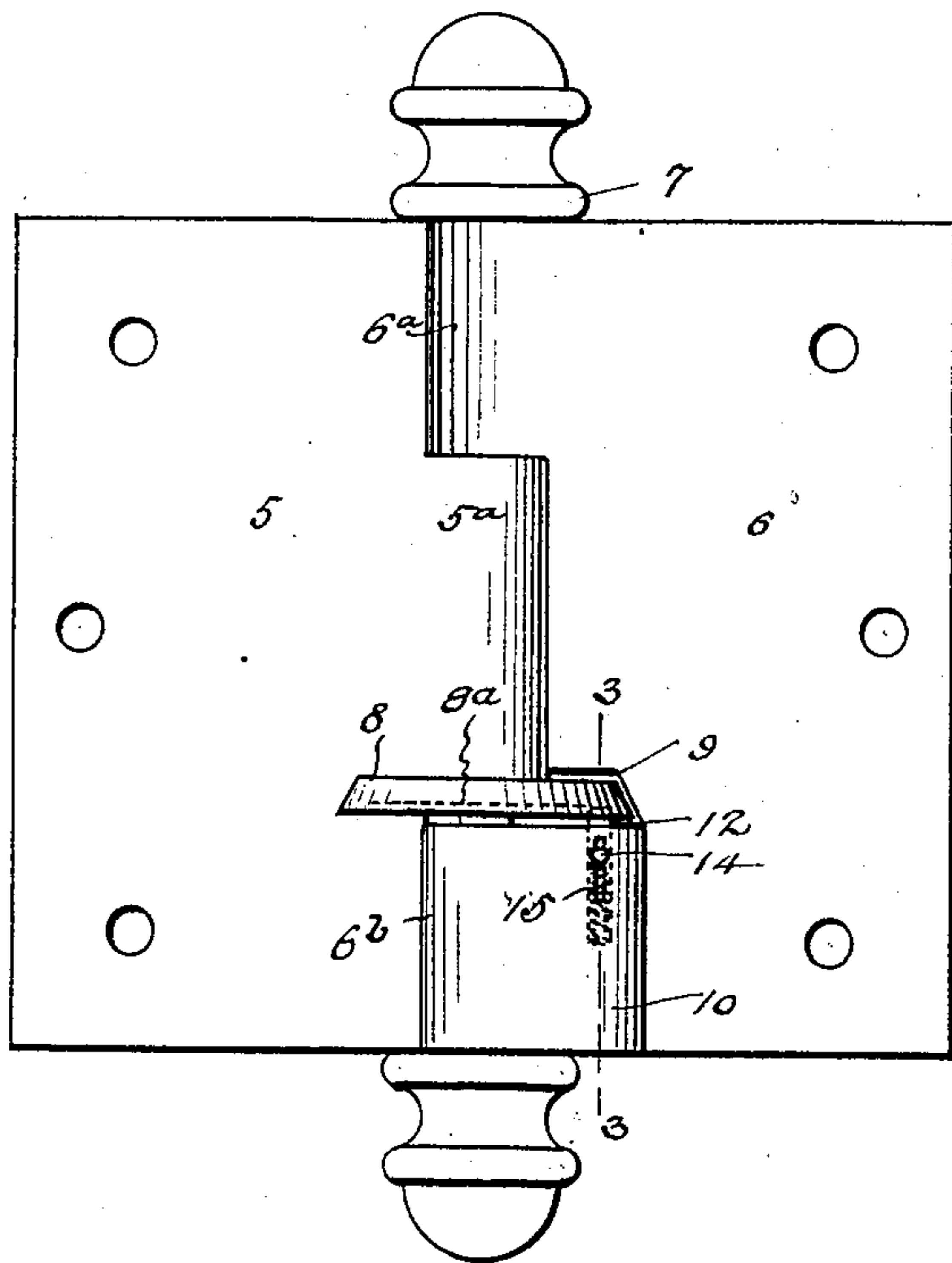


Fig. 1.

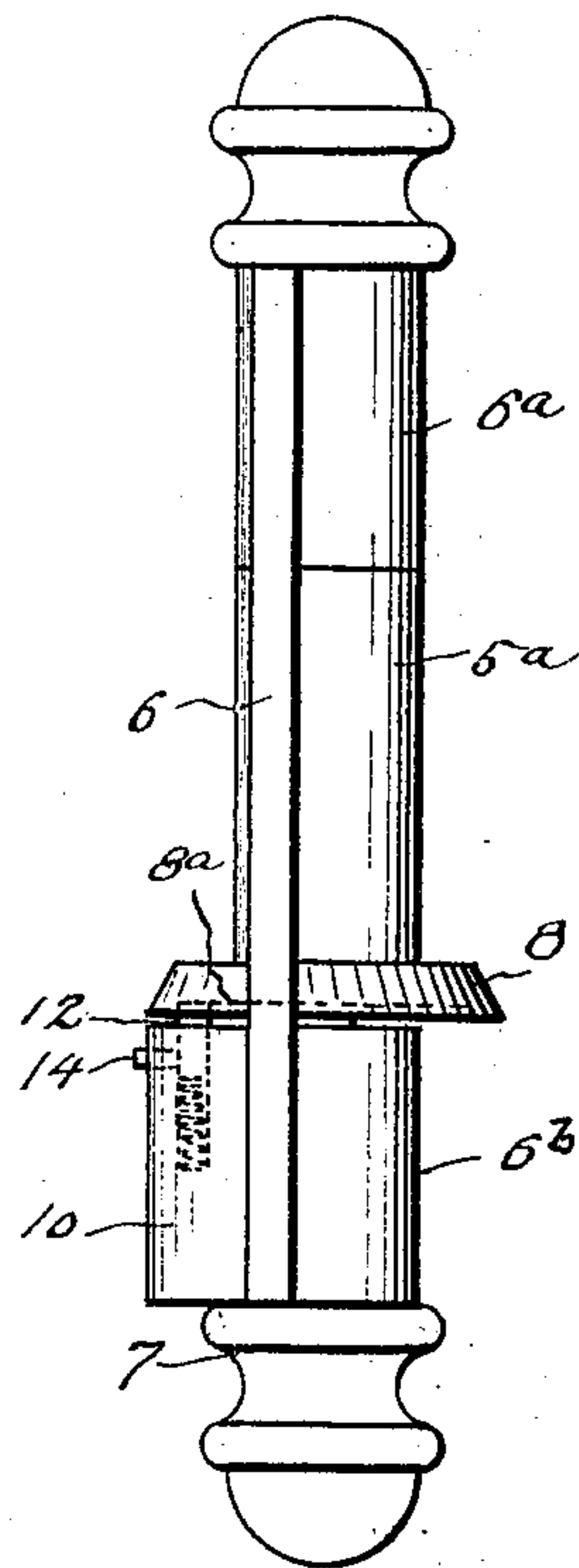


Fig. 2.

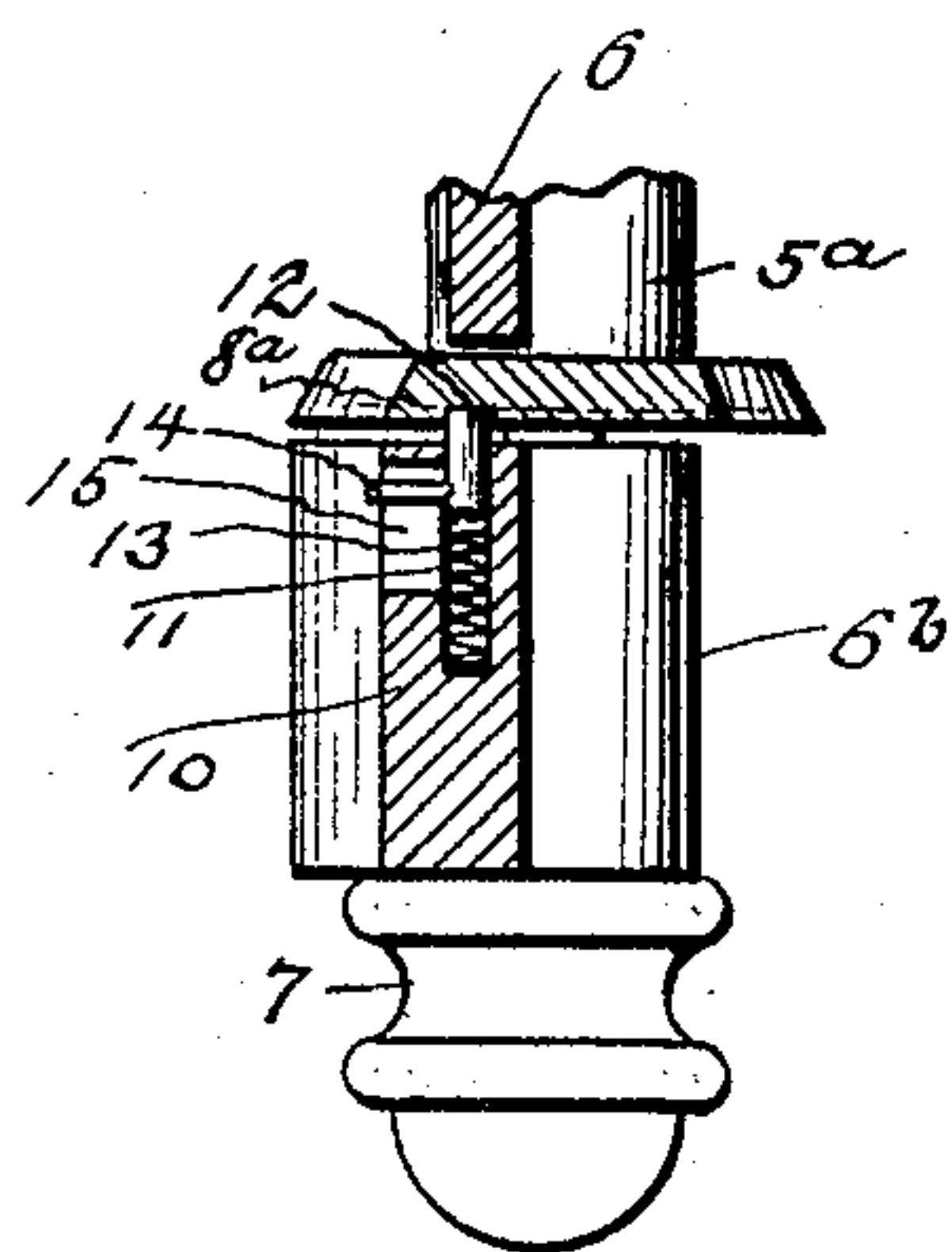


Fig. 3.

Witnesses

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UNITED STATES PATENT OFFICE.

DAVID P. CRAVER AND THOMAS H. GILLETTE, OF BELVIDERE, ILLINOIS.

HINGE.

SPECIFICATION forming part of Letters Patent No. 773,717, dated November 1, 1904.

Application filed May 2, 1904. Serial No. 205,910. (No model.)

To all whom it may concern:

Be it known that we, DAVID P. CRAVER and THOMAS H. GILLETTE, citizens of the United States, residing at Belvidere, in the county of Boone and State of Illinois, have invented new and useful Improvements in Hinges, of which the following is a specification.

Our invention relates to hinges, and has for its object a hinge which will work tight, so that the door will stay open when it is desired not to have it shut; and with this object in view the invention consists in certain novel features of construction hereinafter described, and pointed out in the claim.

In the accompanying drawings, Figure 1 is a face view of a hinge constructed in accordance with our invention, and Fig. 2 is an edge view thereof. Fig. 3 is a vertical section on the line 3 3 of Fig. 1.

Referring specifically to the drawings, 5 denotes one of the leaves of a hinge, and 5^a the knuckle thereof. The other leaf is shown at 6 and has knuckles 6^a and 6^b, respectively. The leaves are connected in the usual manner by a pintle 7, extending through the knuckles. The leaf 5 is formed with a projecting circular plate or disk 8, which fits in a slot 9, made in the leaf 6. The knuckle 6^b is enlarged, as at 10, and the enlargement has a bore 11 to receive a plunger 12, under which a coiled spring 13 is placed, which forces the plunger normally outwardly in contact with the under side of the plate 8. The frictional contact between the parts causes the hinge to work tight, and thus serves to hold the door open in any

position in which it may be placed. The plunger carries a pin 14, which extends to the outside of the enlargement 10 through a slot 15 therein. This holds the plunger and prevents it from falling out when the hinge-leaves are separated in taking off the door. A groove 8^a is also formed on the under side of the plate 8, into which the plunger extends. The spring 13 will be strong enough to create enough friction to cause the door to be held against ordinary drafts.

In the drawings an ordinary butt-hinge is shown; but the invention is not limited to this style of hinge and may be applied to any ordinary hinge.

Having thus described our invention, what is claimed as new, and desired to be secured by Letters Patent, is—

In a hinge, a grooved plate carried by one of the leaves thereof, an enlargement on the other leaf having a bore and a slot therefrom to the outside, a spring-pressed plunger in the bore and extending into the groove in frictional contact therewith, and a retaining-pin carried by the plunger and extending through the slot to the outside.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

DAVID P. CRAVER.
THOMAS H. GILLETTE.

Witnesses:

A. W. HOPKINS,
ESSIE BROWN.