

No. 627,802.

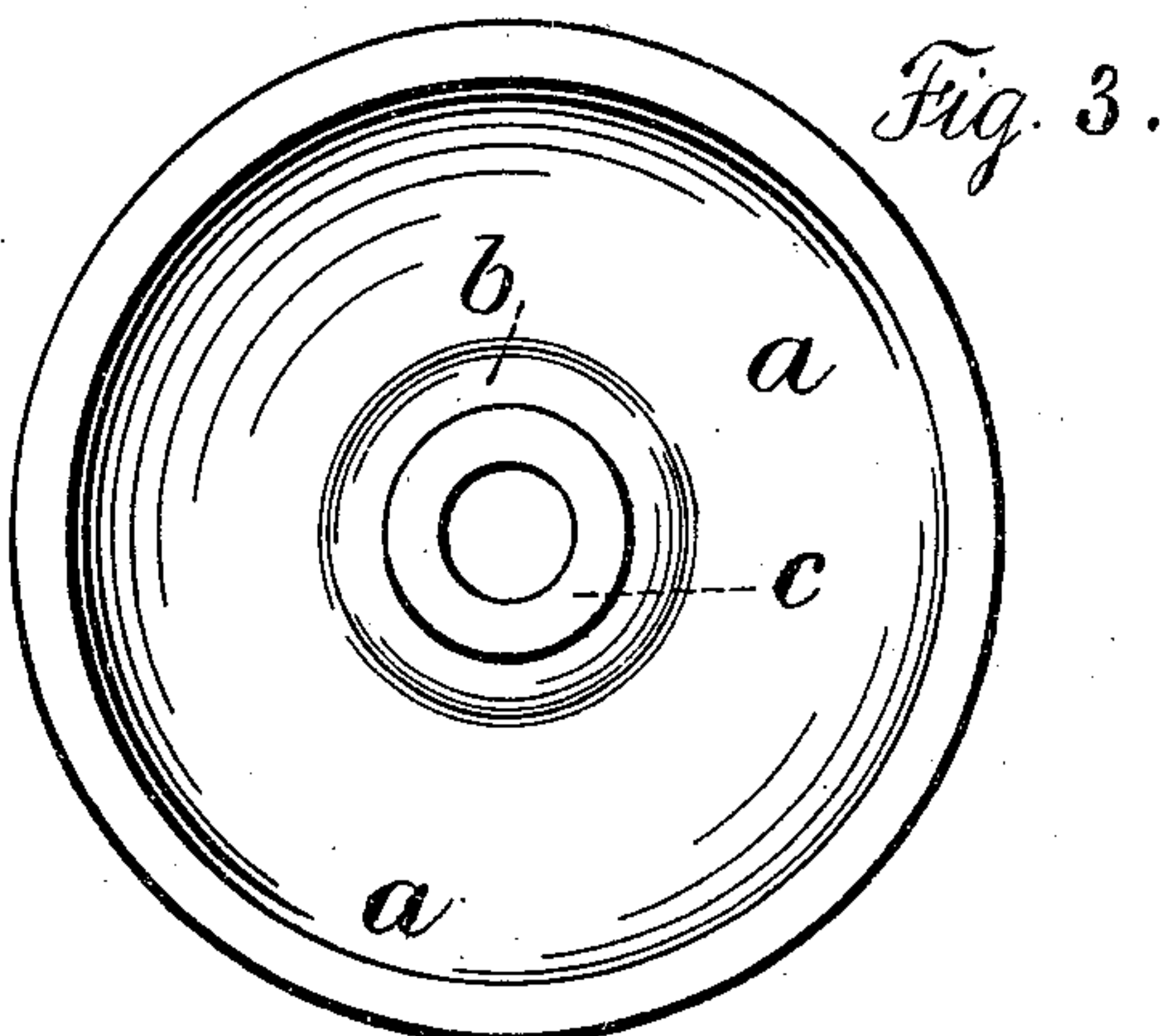
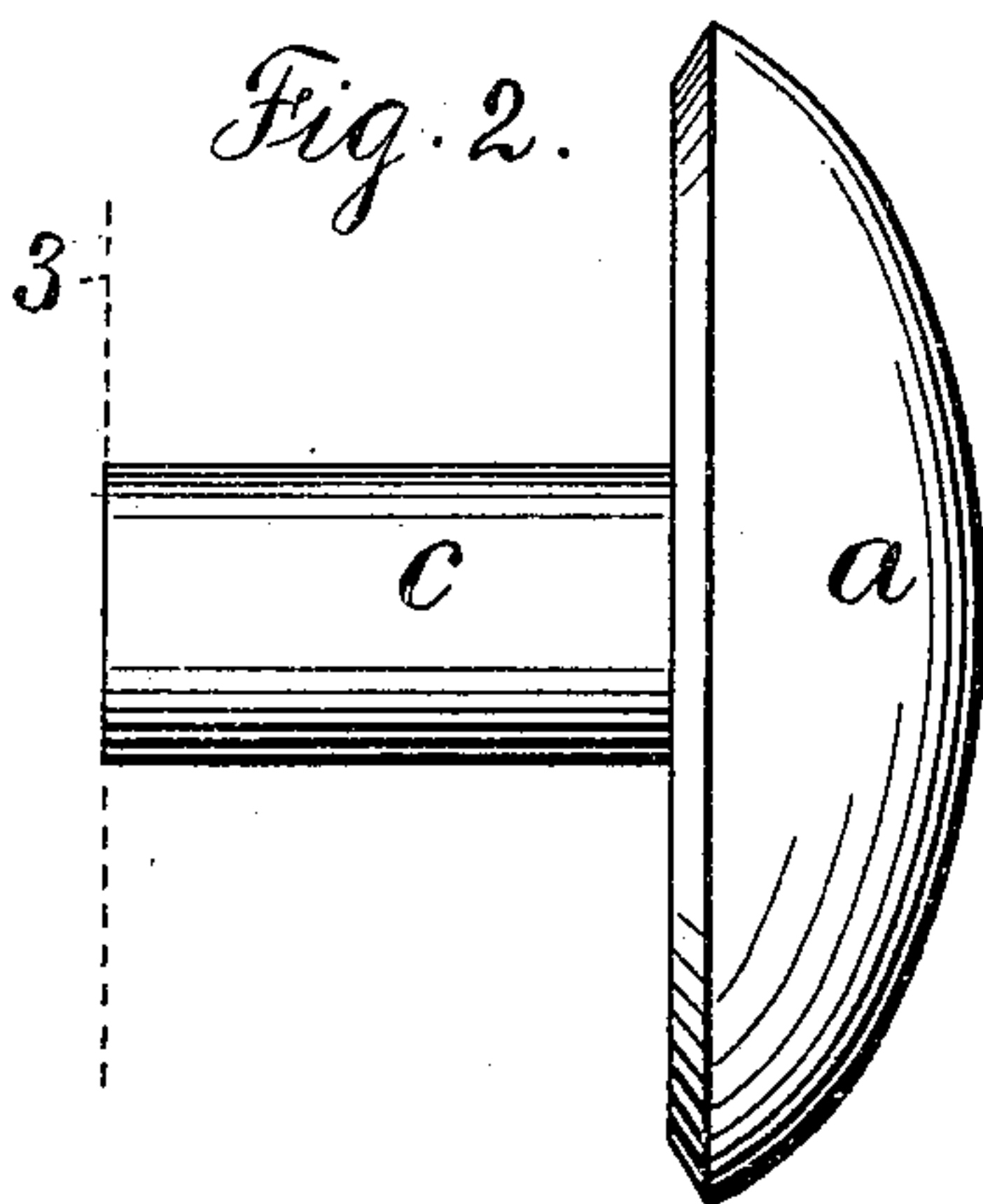
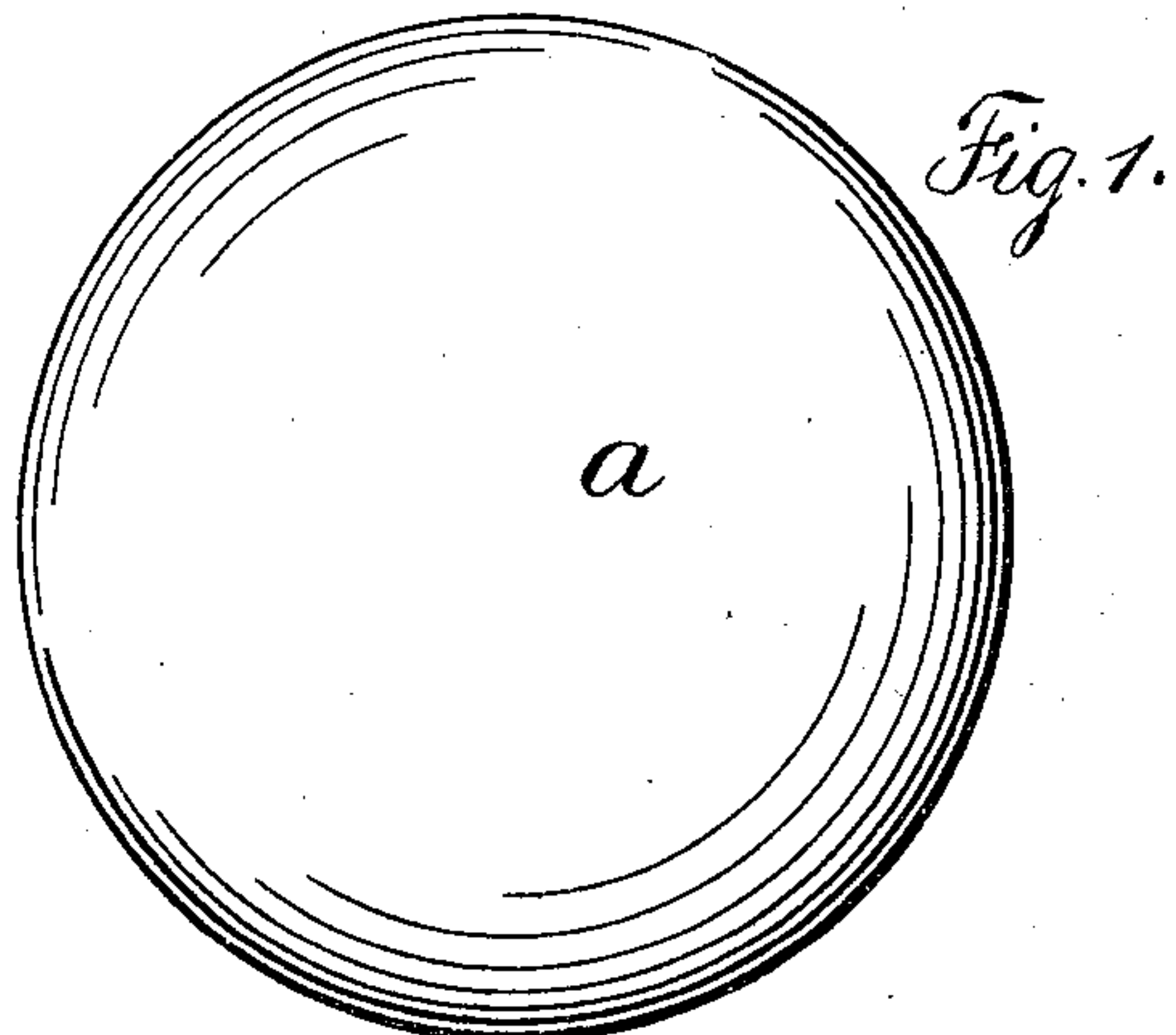
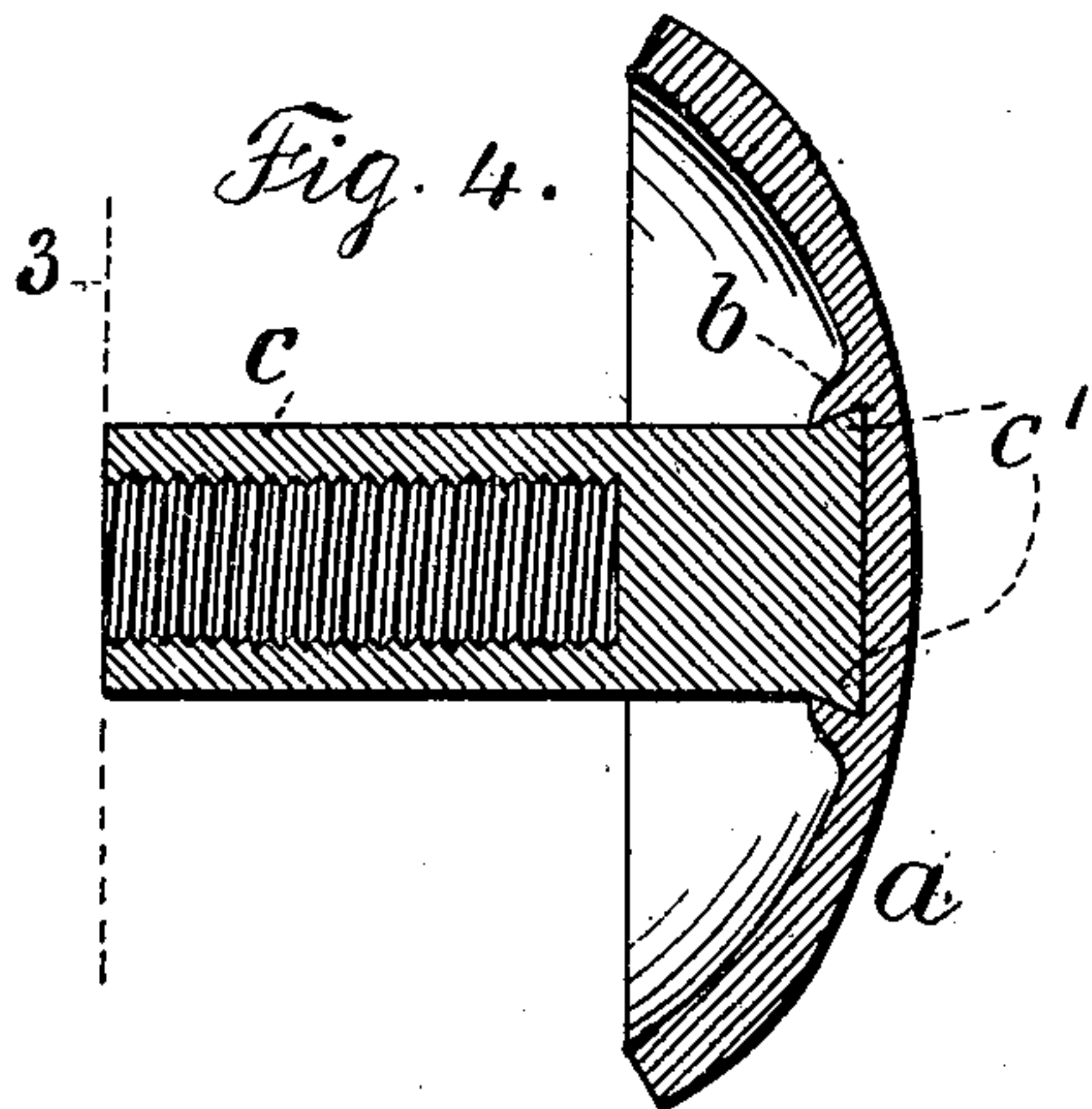
Patented June 27, 1899.

F. W. CHESSON.

KNOB.

(Application filed Sept. 21, 1898.)

(No Model.)



Witnesses:  
J. Staib  
Chas. H. Smith

Inventor:  
Frederick W. Chesson  
per L. W. Serrell & Son  
Attys



# UNITED STATES PATENT OFFICE.

FREDERICK W. CHESSON, OF WATERBURY, CONNECTICUT, ASSIGNOR TO  
THE AMERICAN RING COMPANY, OF SAME PLACE.

## KNOB.

SPECIFICATION forming part of Letters Patent No. 627,802, dated June 27, 1899.

Application filed September 21, 1898. Serial No. 691,489. (No model.)

*To all whom it may concern:*

Be it known that I, FREDERICK W. CHESSON, a citizen of the United States, residing at Waterbury, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Knobs, of which the following is a specification.

My invention relates especially to a knob for furniture. Heretofore in furniture-nails a sheet-metal blank has been connected to a solid stem by the metal of the blank being closed around and back of the head of the stem, and in furniture-knobs the edge of a sheet-metal covering has been turned around behind the edge of the knob and the knob secured by a screw passing into or through the stem.

In my invention the knob comprises a tubular interiorly-threaded stem adapted to come at one end against the support and having an enlargement at the other end and a cup-shaped head with a circular rib on the concave side closed around the enlargement of the stem and permanently connecting the head and stem. The cup-shaped head is formed in a suitable die from a blank, and I prefer to retain the thickness of the blank at the rim and to gradually reduce the central portion of the blank, so that the metal displaced is employed in forming the circular rib on the concave side for receiving the enlargement of the stem.

The article is complete in itself and only requires the addition of a screw passing through the support and into the tubular interiorly-threaded stem to connect the knob in place.

In the drawings, Figure 1 is a front elevation, Fig. 2 a side elevation, Fig. 3 a rear elevation, and Fig. 4 a longitudinal section, showing my improvement.

*a* represents the cup-shaped head, and *b* the circular rib on the concave side. The head is formed from a blank in a suitable die, which at the same time forms the circular rib *b*. I prefer in forming the cup-shaped head to leave the edge or periphery of the same thickness as the original blank, because in use there is a more extended surface for the hand to grasp and the edge is not thinned or liable to cut the hand, and I also prefer in

forming the head in the die to gradually reduce the thickness toward the center, as will be seen from reference to Fig. 4, the metal thus displaced being employed with facility for forming the circular rib *b*.

*c* represents the tubular interiorly-threaded stem that is adapted to come at one end against a support. (Indicated in Figs. 2 and 4 by the dotted line 3.) This stem may be tubular throughout or partially, and upon the opposite end I form an annular enlargement *c'*, which when the parts are brought together fits within the circular rib, and said rib is by a suitable die closed around and over the said enlargement in permanently connecting the head and the stem.

The interiorly-threaded stem is adapted to receive a tap bolt or screw having a head on one end, which screw will pass through the material of the support. The convex surface of the cup-shaped head may be polished or ornamented in any desired manner.

I claim as my invention—

1. A knob comprising a tubular interiorly-threaded stem adapted to come at one end against the support and having an annular enlargement at the other end, and a cup-shaped head with its edge independent of and projecting beyond the said stem and a circular rib near the central part of the concave side of the head and closed around the annular enlargement of the stem for permanently connecting the head and stem substantially as specified.

2. A knob comprising a tubular interiorly-threaded stem closed at one end and having an annular enlargement at said end tapering toward the stem, and a cup-shaped head formed from a blank with the thickness of the blank maintained at the rim and the center reduced and provided with a circular rib on the concave side receiving and closed around the enlargement of the stem and permanently connecting the head and stem, substantially as specified.

Signed by me this 17th day of September, 1898.

F. W. CHESSON.

Witnesses:

J. H. HURLBUT,  
C. W. NORTHROP.