

No. 742,206.

PATENTED OCT. 27, 1903.

H. J. MAURER.
RIVET.

APPLICATION FILED FEB. 16, 1903.

NO MODEL.

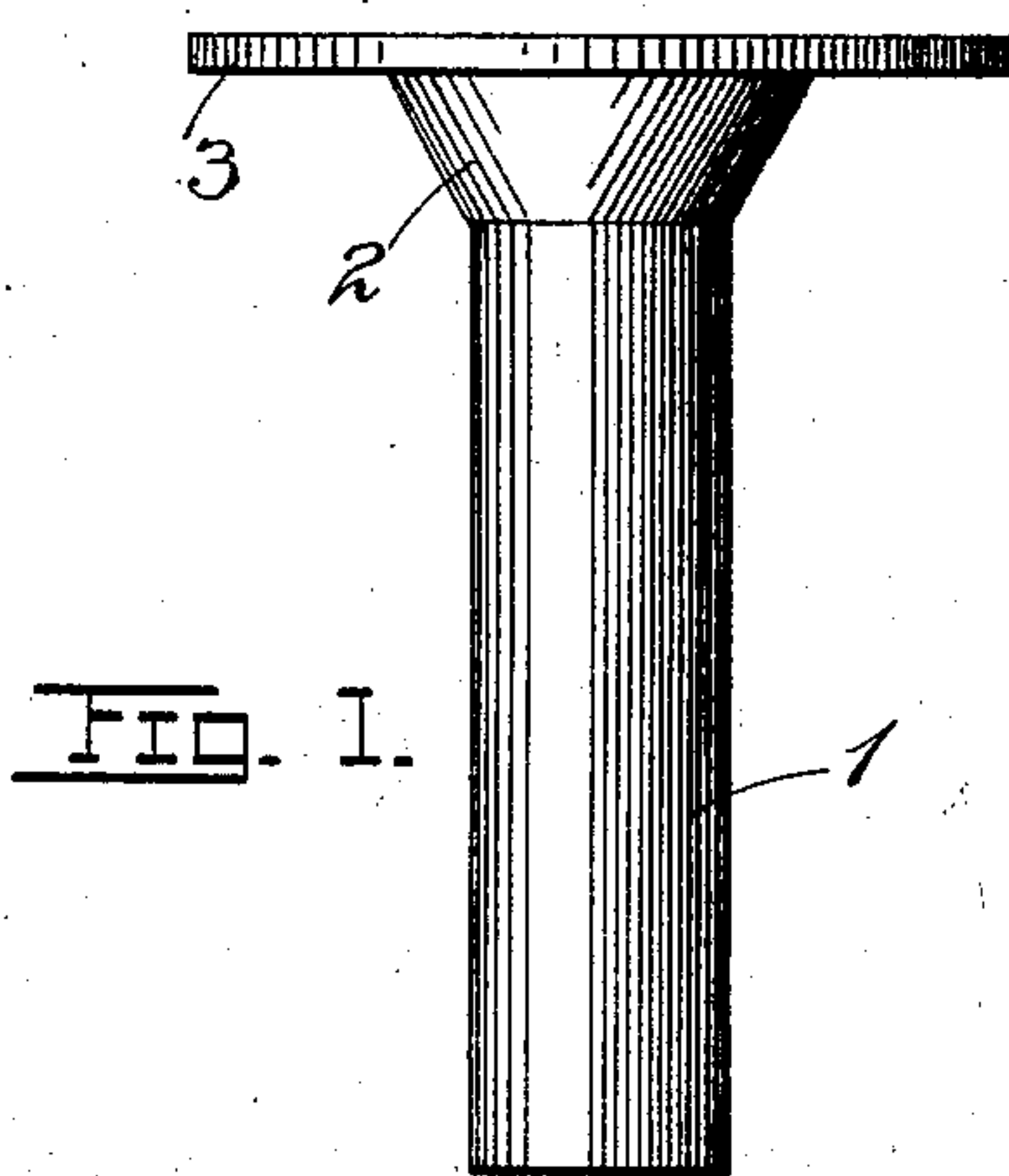


FIG. 1.

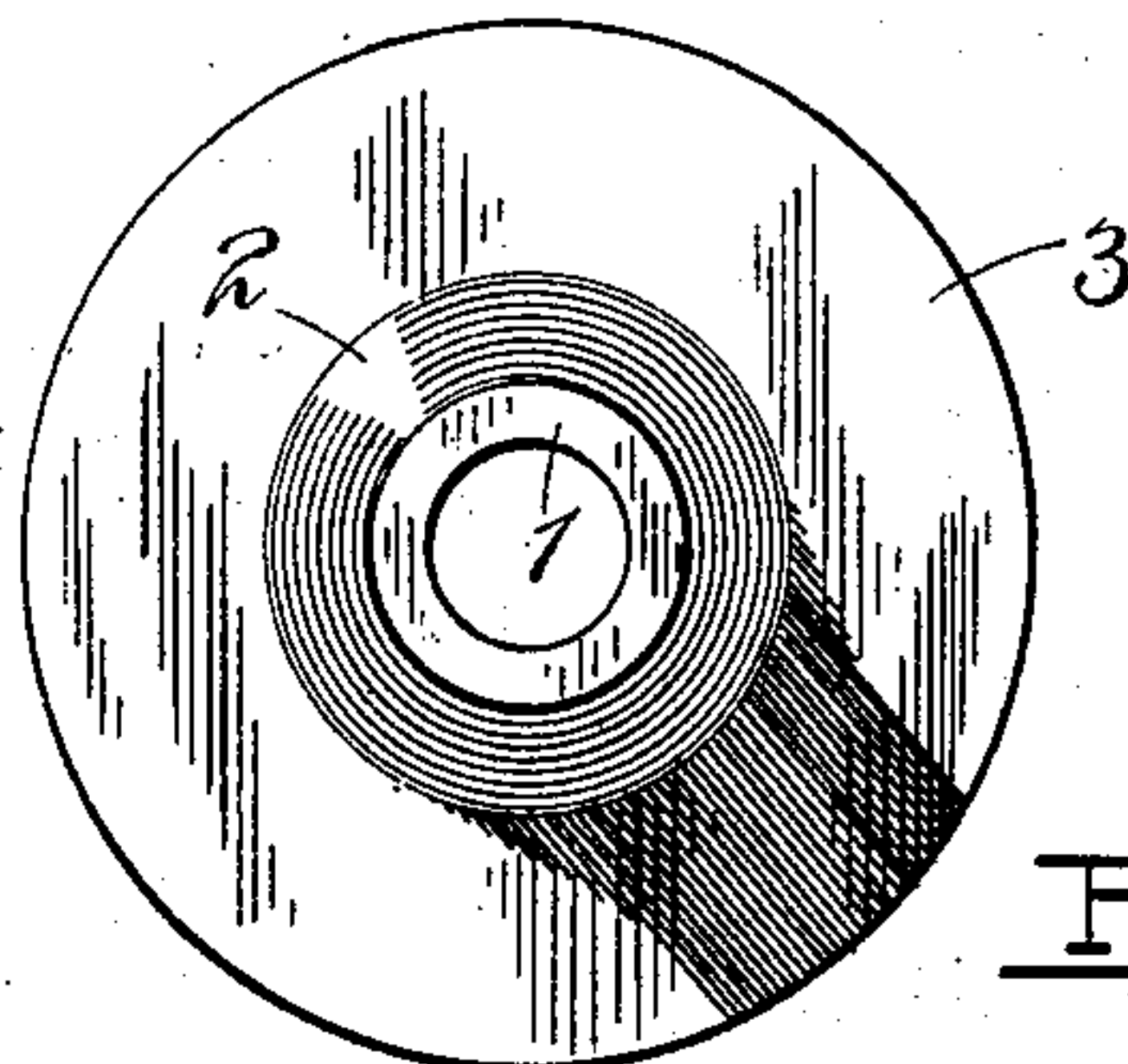


FIG. 2.

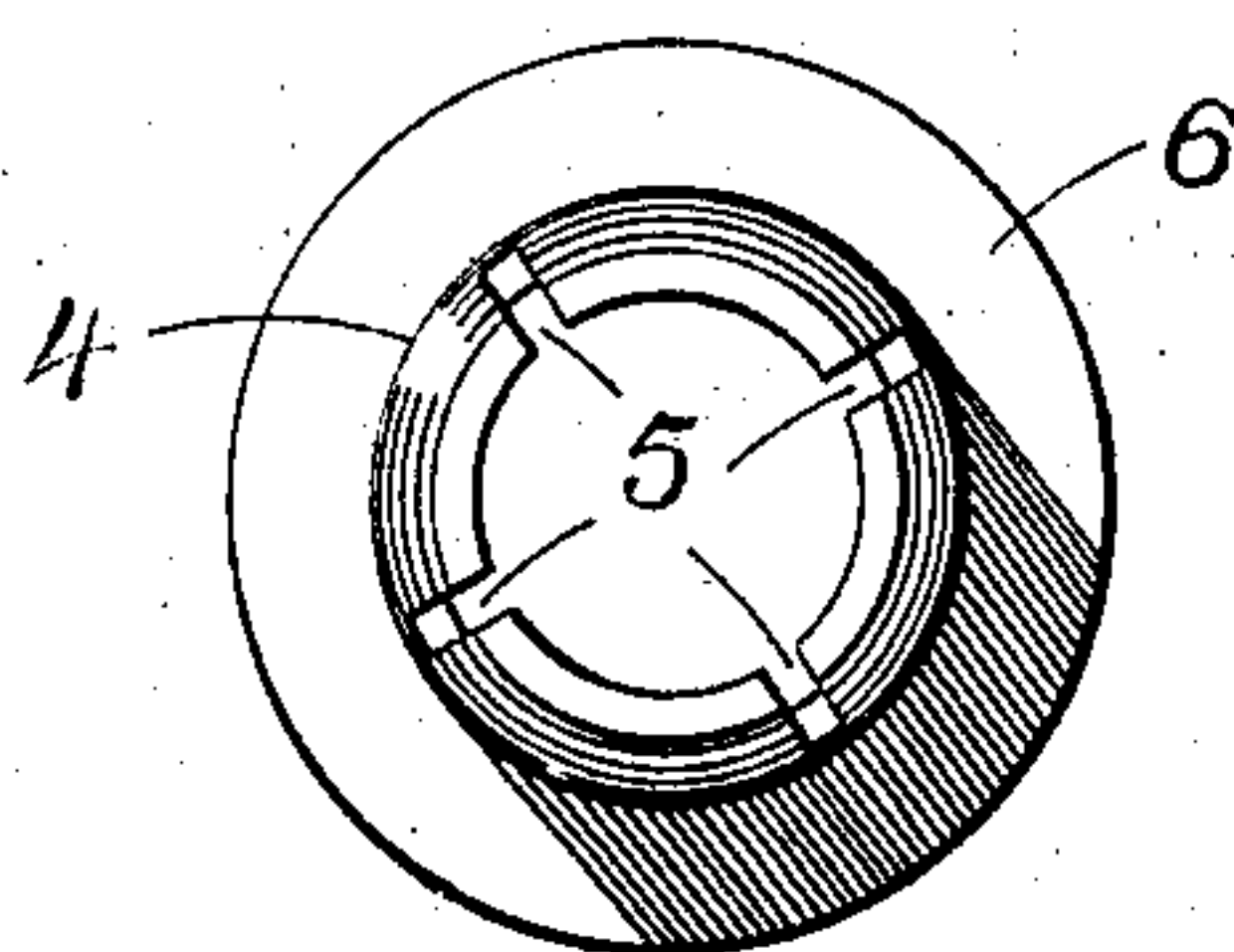


FIG. 4.

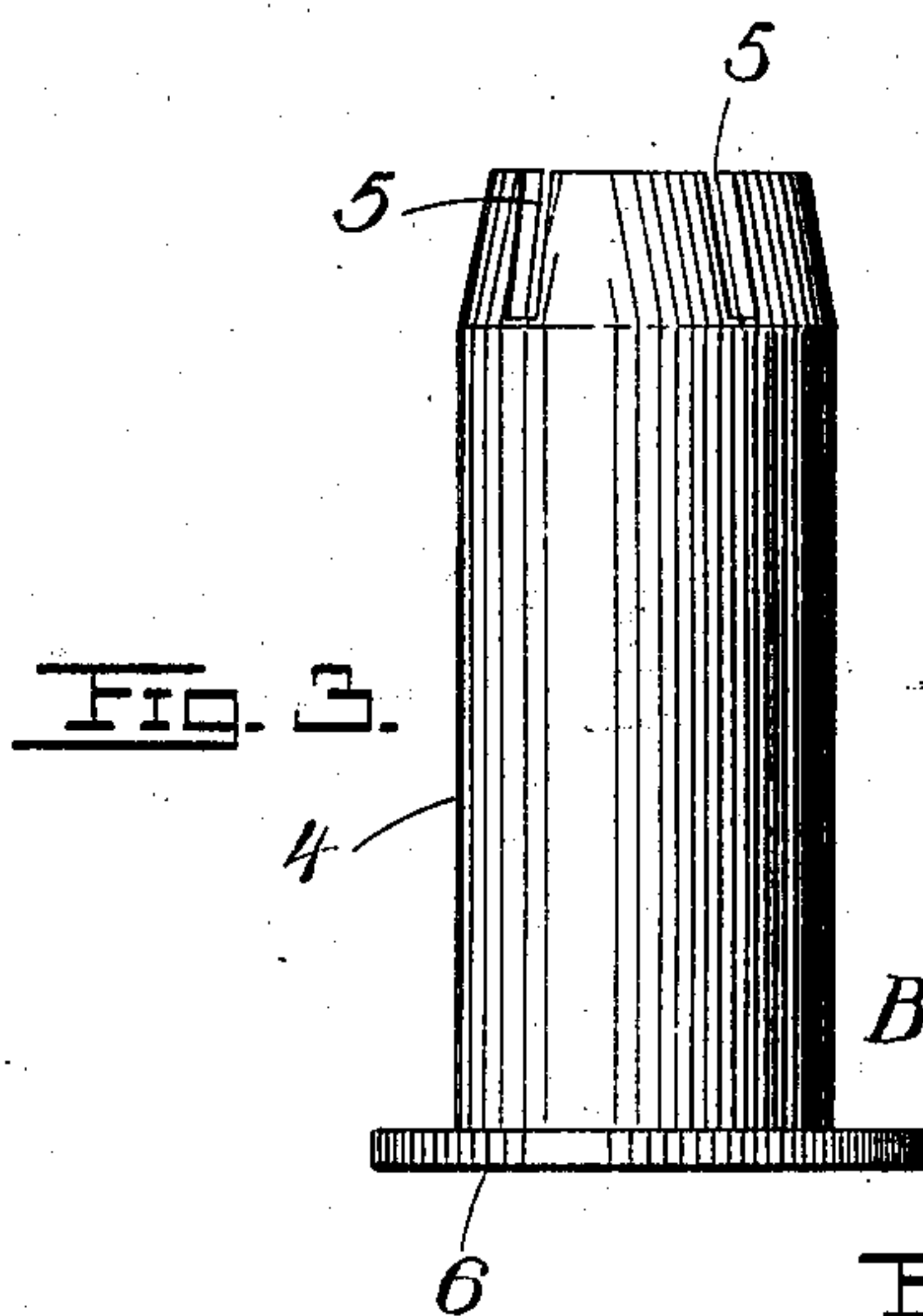


FIG. 3.

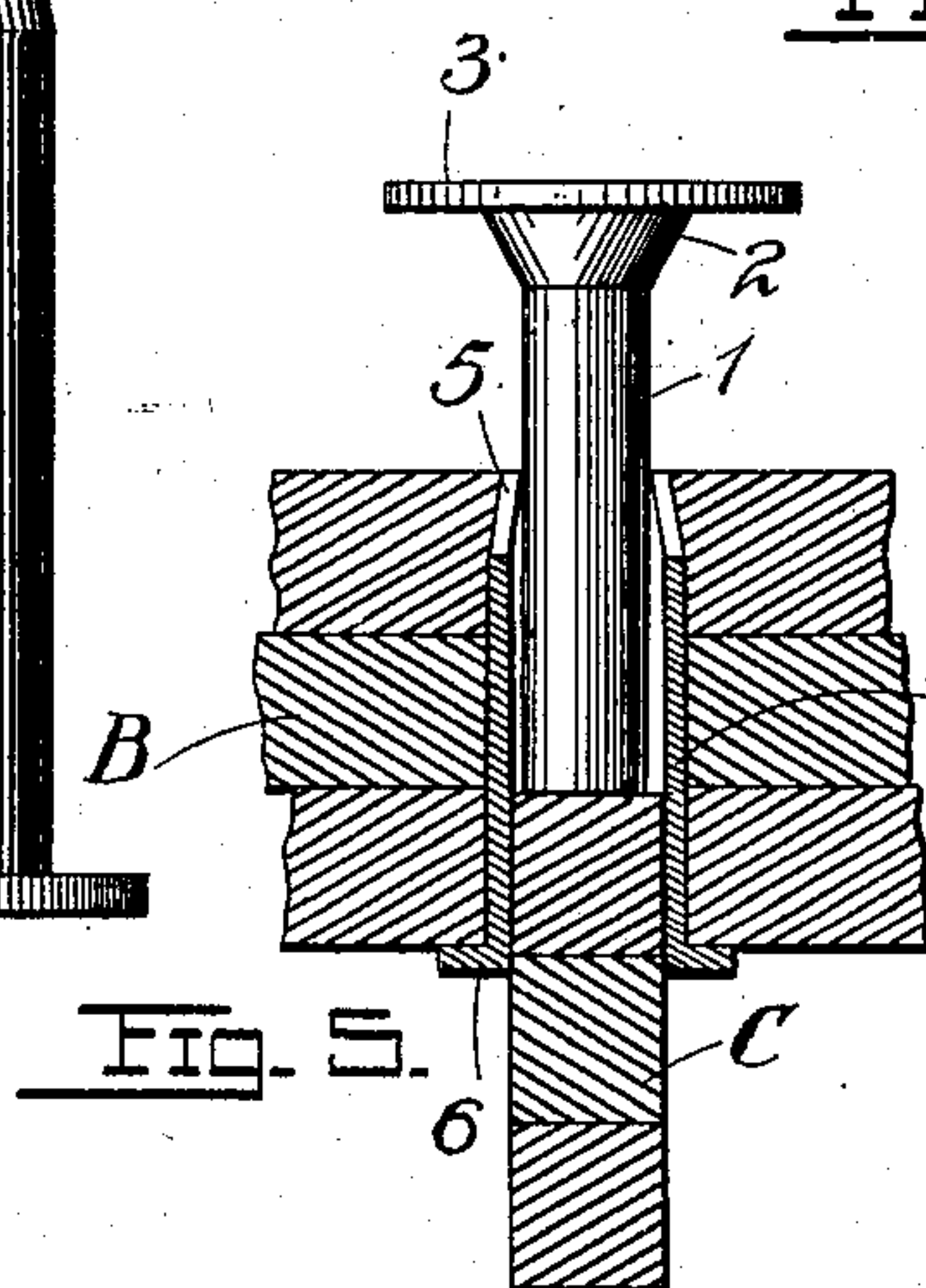


FIG. 5.

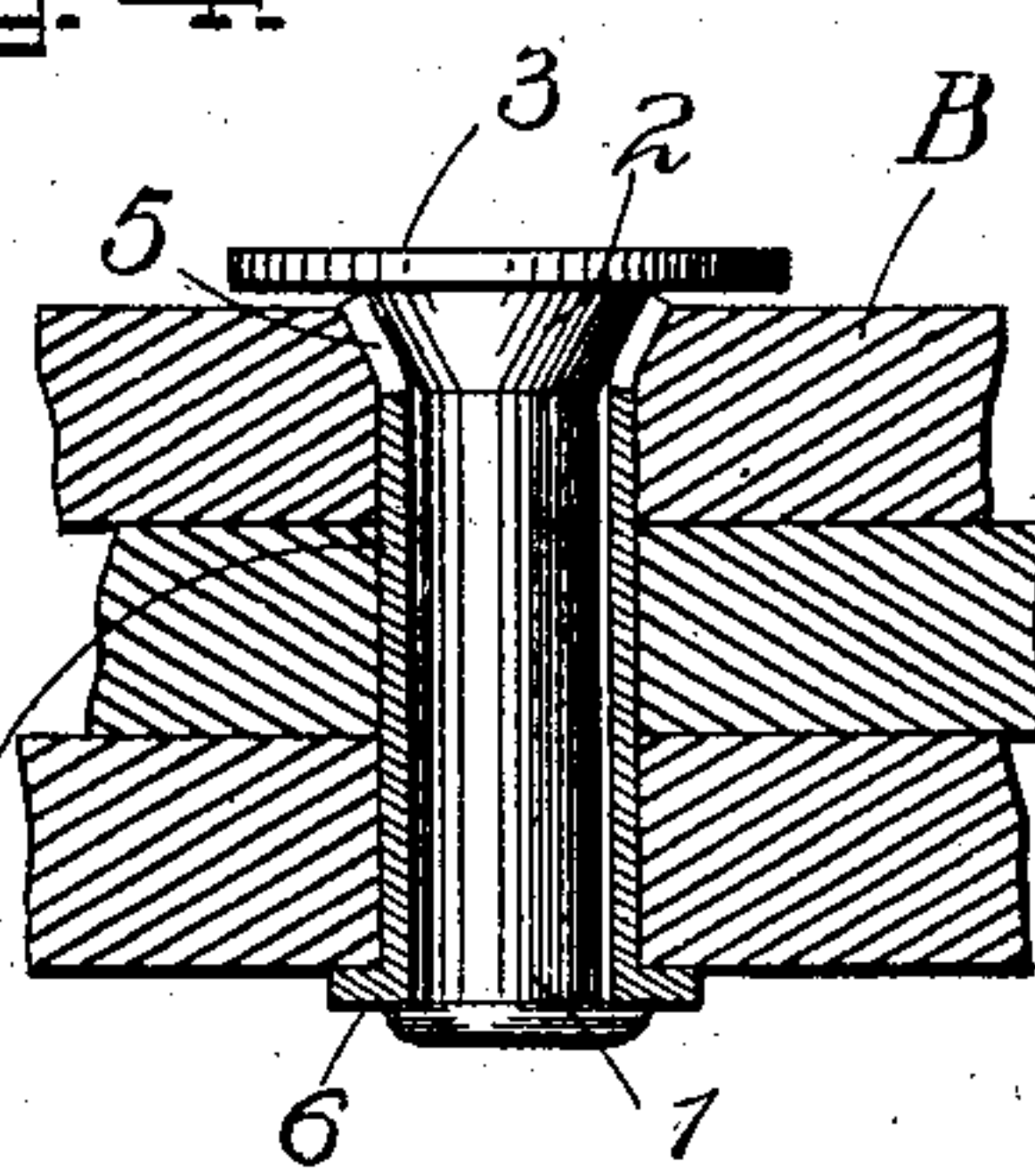


FIG. 6.

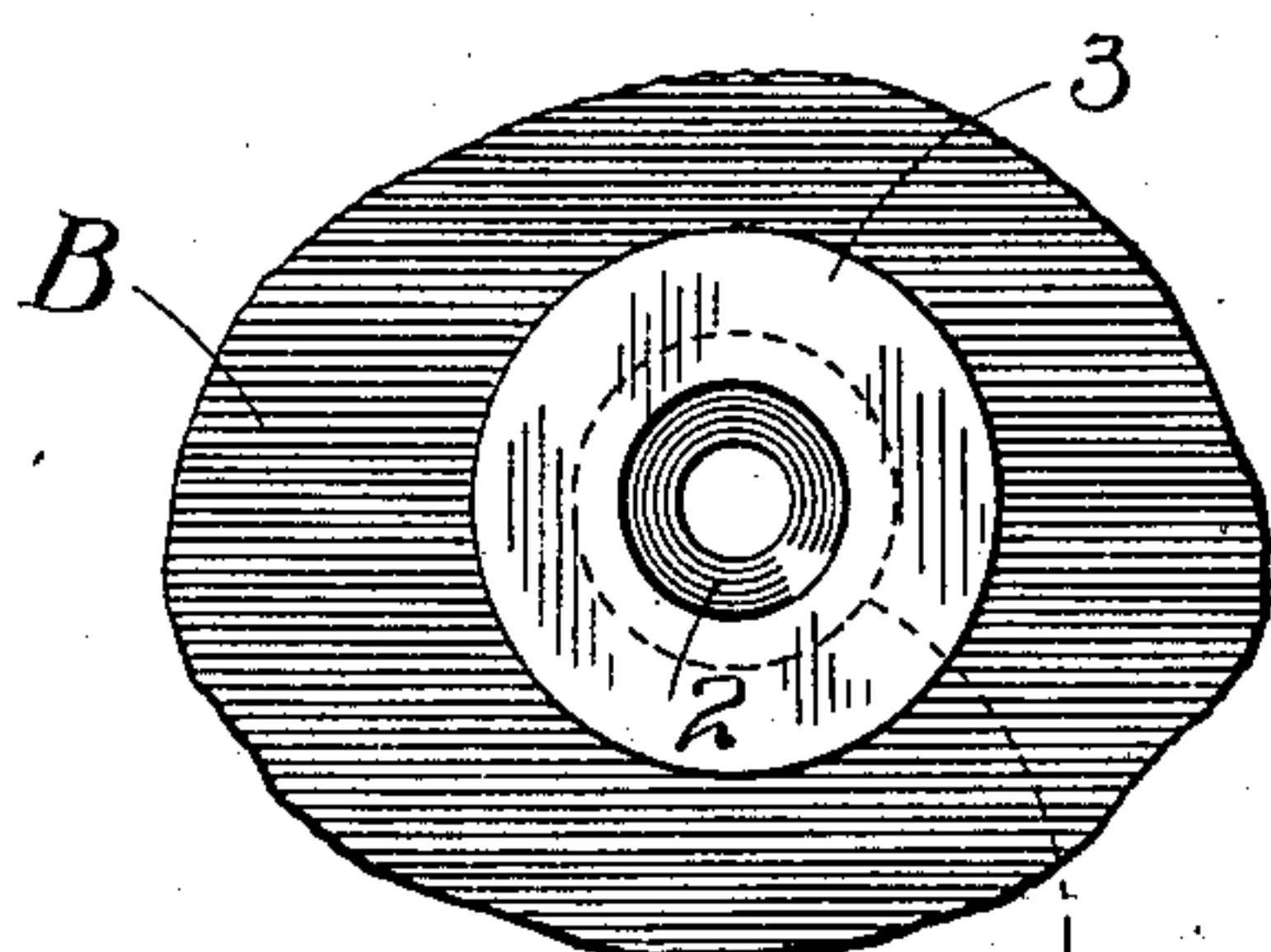


FIG. 7.

WITNESSES:

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HIRAM J. MAURER, OF BIRFORD, NORTH DAKOTA.

RIVET.

SPECIFICATION forming part of Letters Patent No. 742,206, dated October 27, 1903.

Application filed February 16, 1903, Serial No. 143,724. (No model.)

To all whom it may concern:

Be it known that I, HIRAM J. MAURER, a citizen of the United States, residing at Birford, in the county of Griggs and State of North Dakota, have invented certain new and useful Improvements in Rivets, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention has relation to improvements in rivets; and it consists in the novel construction of rivet more fully set forth in the specification, and pointed out in the claim.

In the drawings, Figure 1 is a side elevation of the rivet proper. Fig. 2 is a bottom plan thereof. Fig. 3 is a side elevation of the punch or die. Fig. 4 is a top plan thereof. Fig. 5 is a sectional detail showing the application of my device to several sections of leather. Fig. 6 is a similar view showing the rivet in its final position, and Fig. 7 is a top plan of Fig. 6.

The object of my invention is to construct a rivet for leather, belts, canvas, or cloth of any description which can be applied without the use of special tools—such as leather-punches, rivet-sets, or levers of any description—but may be applied with an ordinary hammer or similar weight or tool.

A further object is to construct a rivet which will effectively connect the parts to which it is applied, one which will be strong and durable, and one possessing further and other advantages, better apparent from a detailed description of the invention, which is as follows:

Referring to the drawings, 1 represents the

body portion of the rivet proper, the same having a terminal conical head 2, provided with a marginal flange 3. The die or bur 4, which is first driven into the material to be riveted, terminates at one end in a series of converging cutting-prongs 5 and at the opposite end in a flange 6. The die is driven into the layers B of the material to be riveted, Fig. 5, the core C cut out thereby being forced out by inserting and driving the rivet into the die from the cutting end thereof. When the two sections are fully driven home, the projecting end of the rivet is burred over the flange 6, and should the thickness of the several layers be such as to cause the prongs 5 to project these will fold to conform to the conical surface of the head 2, and the operation is complete, Fig. 6. It will thus be seen that the rivets can be manipulated without any special riveting or setting tools, the rivet being applied or inserted in place with the use of an ordinary hammer or equivalent device.

Having described my invention, what I claim is—

A rivet comprising an outer tube having a series of cutting-prongs at one end, a flange at the opposite end, and an inner tube or rivet proper having a terminal conical head, and a marginal flange for the latter, substantially as, and for the purpose set forth.

In testimony whereof I hereby affix my signature in presence of two witnesses.

HIRAM J. MAURER.

Witnesses:

M. GREENLAND,
E. M. JACKSON.