

No. 756,913.

PATENTED APR. 12, 1904.

H. W. TRUITT.
VULCANIZER.

APPLICATION FILED AUG. 29, 1903.

NO MODEL.

Fig. 1.

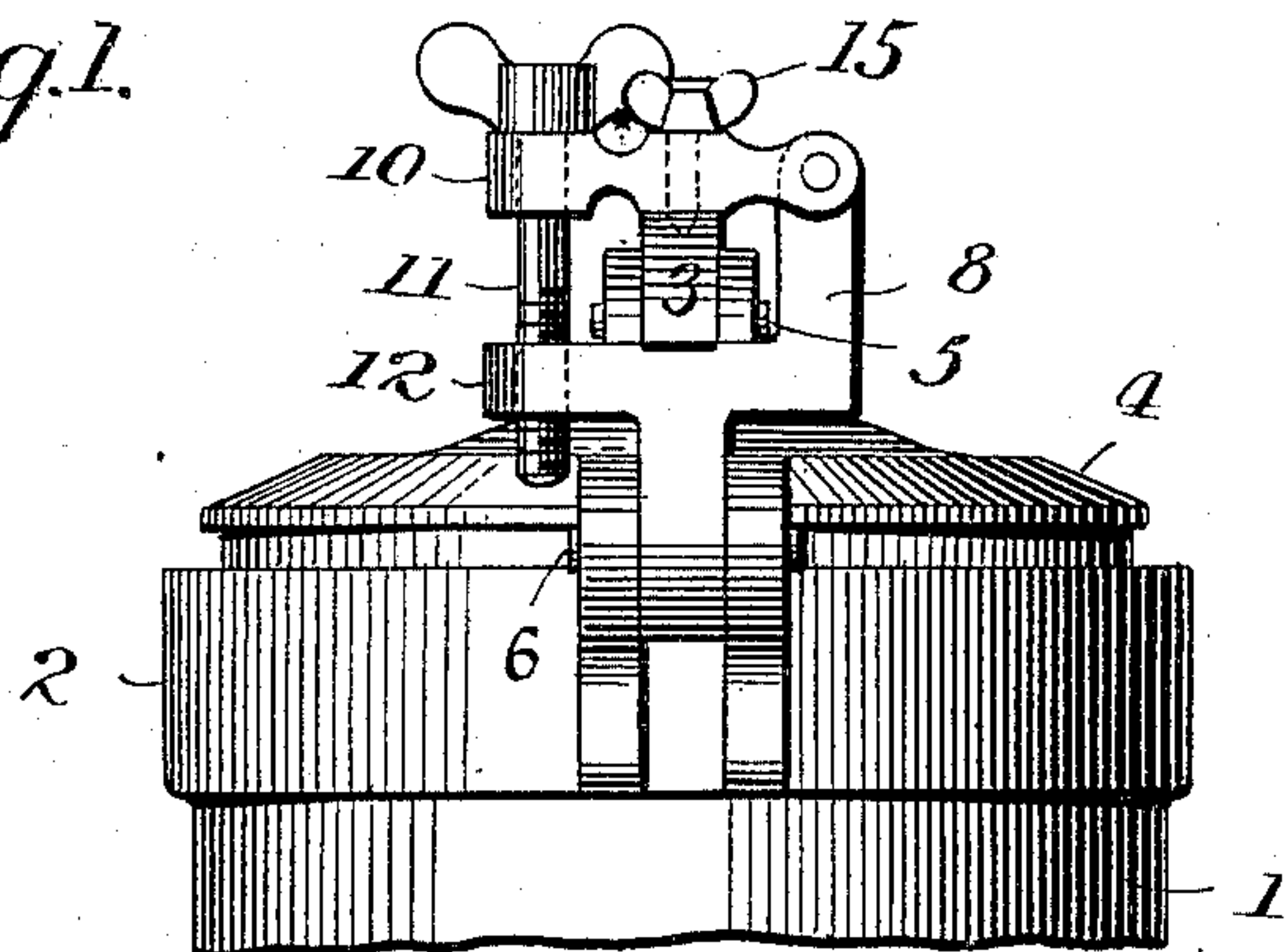


Fig. 2.

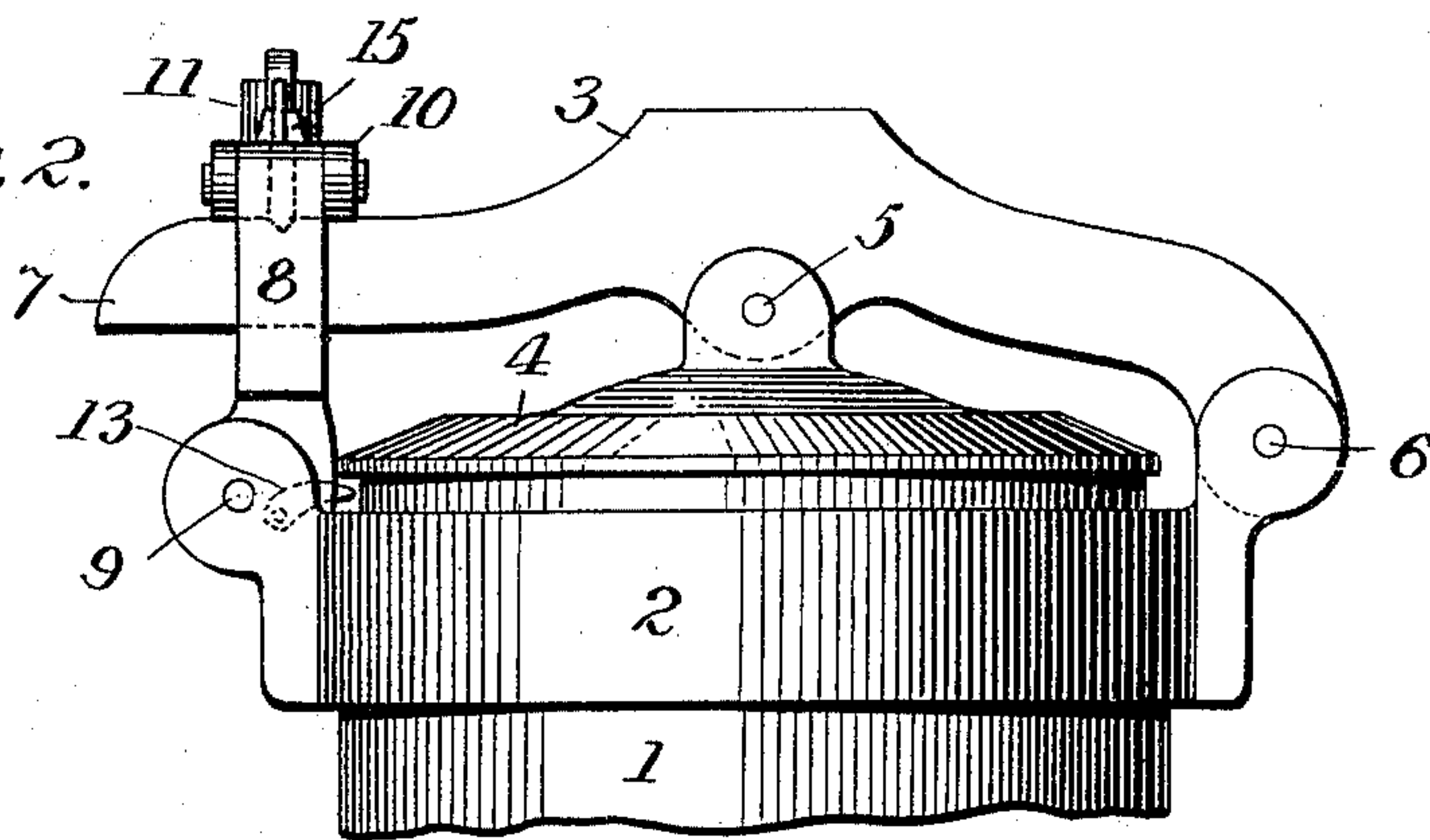


Fig. 3.

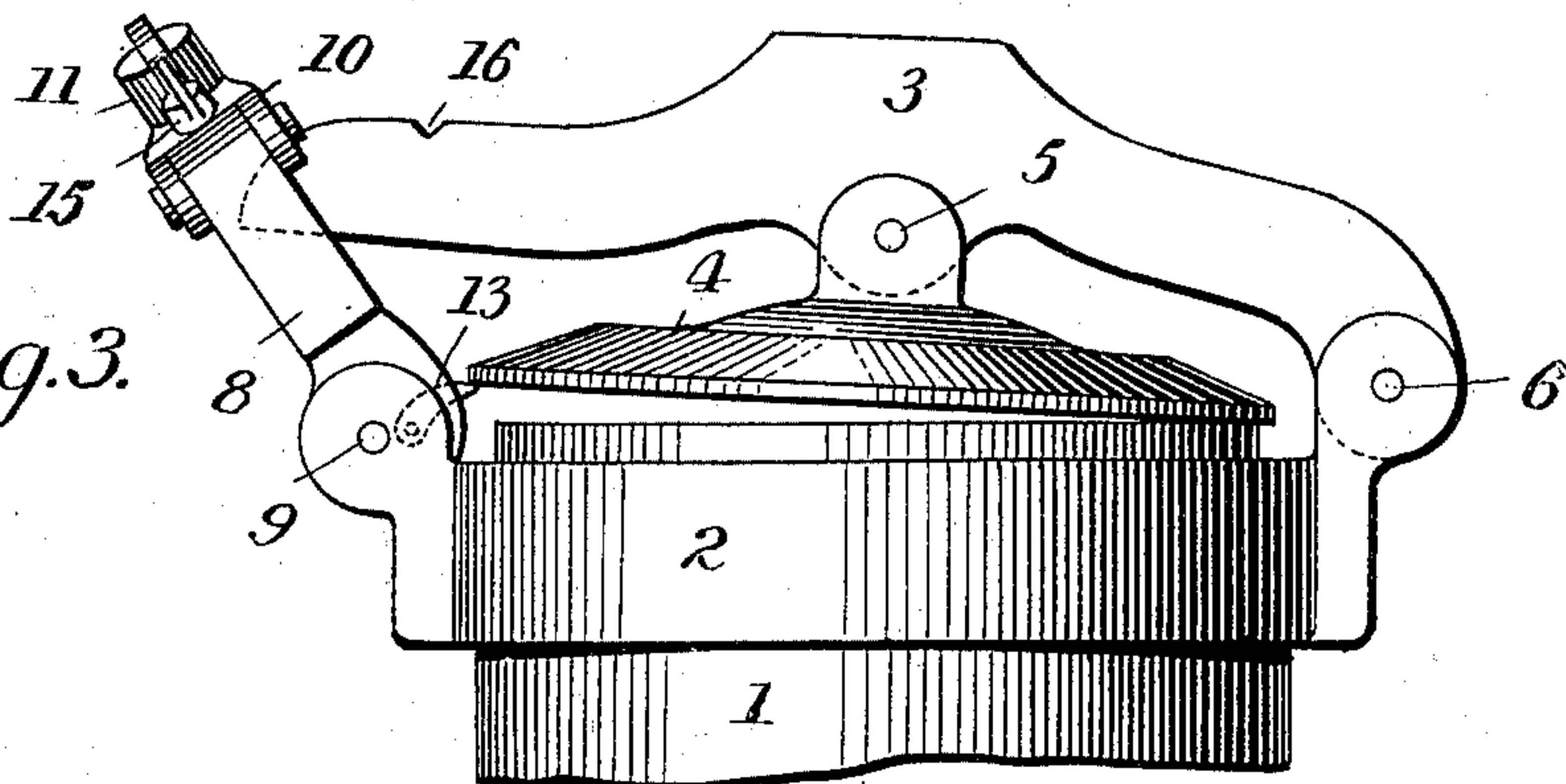
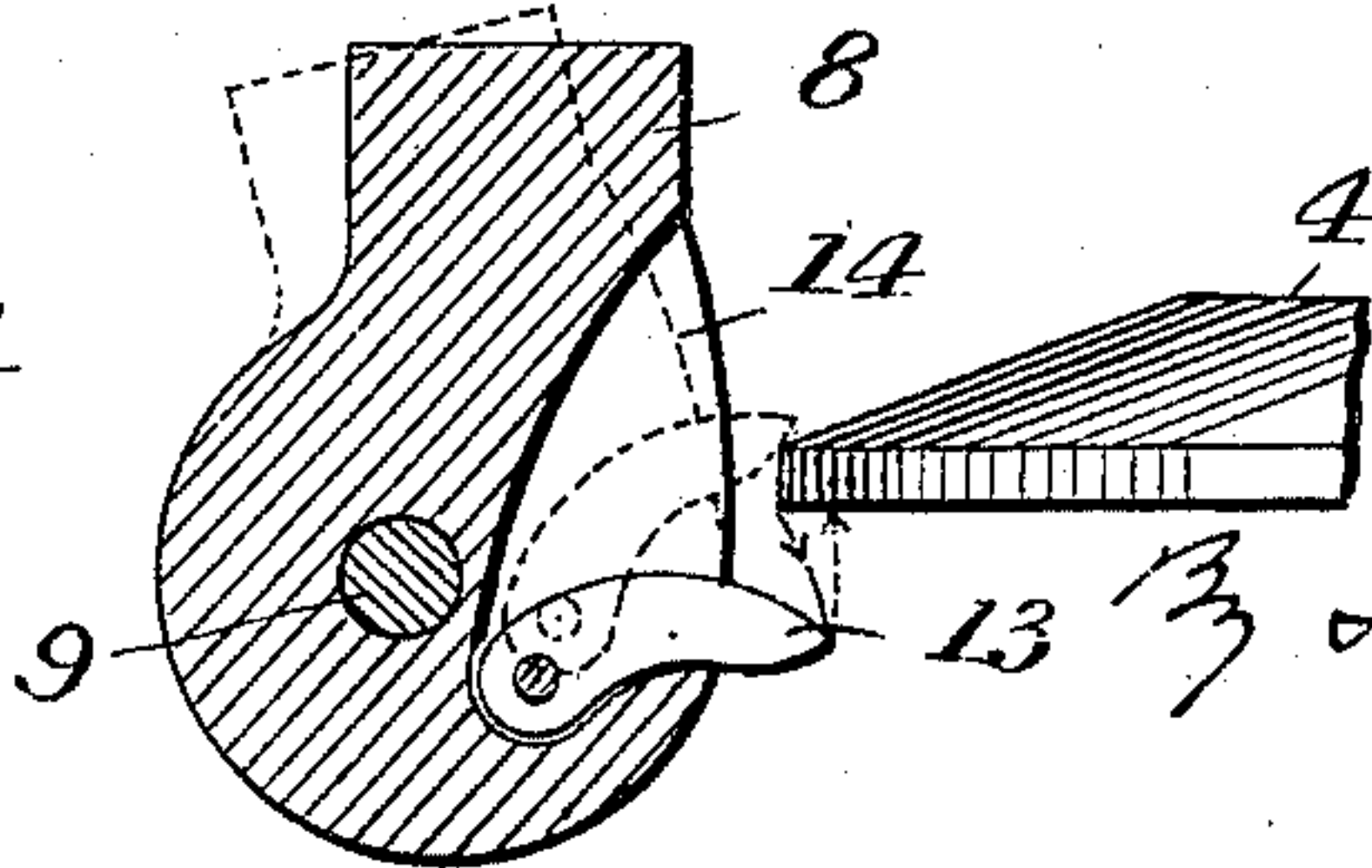


Fig. 4.



Witnesses

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HARRY W. TRUITT, OF NEW BETHLEHEM, PENNSYLVANIA.

VULCANIZER.

SPECIFICATION forming part of Letters Patent No. 756,913, dated April 12, 1904.

Application filed August 29, 1903. Serial No. 171,233. (No model.)

To all whom it may concern:

Be it known that I, HARRY W. TRUITT, a citizen of the United States, residing at New Bethlehem, Clarion county, Pennsylvania, have invented certain new and useful Improvements in Vulcanizers, of which the following is a specification.

This invention relates to a vulcanizer which is particularly adapted for the use of dentists and others engaged in vulcanizing small articles. As is well known, such vulcanizers are required to be securely closed during the vulcanizing process. The lids often adhere when closed, and it requires considerable force to dislodge them.

The object of the present invention is to provide a convenient means for dislodging the lid, such means being permanently connected with the vulcanizer.

The invention will be described in connection with the accompanying drawings, in which—

Figure 1 is a front view of the upper portion of a vulcanizer provided with my invention. Fig. 2 is a side view showing the vulcanizer closed and the cover locked in position. Fig. 3 is a similar view showing the operation of the lid-dislodging device, and Fig. 4 is a detail of the lifting device.

Referring to the drawings, 1 indicates the body of the vulcanizer, which is provided with an enlargement or ring 2 at its upper end, to which is hinged a lever 3. The lever 3 extends diametrically across the upper end of the vulcanizer, and the lid 4 is pivotally connected to it in some suitable manner, as by the pivot 5. As shown, the lever 3 is hinged on a pivot 6, and its opposite end 7 extends slightly beyond the body of the vulcanizer. Adjacent to the end 7 a locking-lever 8 is pivoted to the ring or enlargement 2 at 9. On the upper end of the lever 8 is a pivoted arm 10, which arm is perforated to receive a screw 11. The screw works loosely in the arm 10, and its lower threaded end engages a projection 12 on lever 8. The end 7 of the lever 3 is adapted to pass between the arm 10 and projection 12 and to be drawn down to close the lid by the movement of arm 10 when the screw 11 is turned in the proper direction. By

loosening the screw 11 and swinging the lever 8 outward, as shown in Fig. 3, the locking-lever 3 can be quickly released.

In order to raise the lid 4 easily and quickly and without the use of a knife or other separate implement, I provide a pawl 13 on the lever 8 near its fulcrum-pin 9. This pawl, as shown, is fitted in a socket 14 with its free end normally protruding. When the lid 4 is closed and the lever 8 thrown up to lock it, the pawl 13 is free to pass under the edge of the lid; but when the lever 8 is thrown back the pawl engages the lid and lifts it, as shown in Fig. 3. It will be seen that the pawl 13 being close to the fulcrum 9 will exert a great lifting force upon the lid 4. The lid is thus dislodged easily and without using detached implements or straining the clamping mechanism.

The lever 8 and pivoted arm 10 form means of exerting great pressure upon the lid 4, and by this means the lid can be quickly clamped and unclamped.

The pivoted arm 10 may be positively locked in engagement with the lever 3 by means of a screw 15. This screw is adapted to have its lower end seated in a notch or groove 16, formed in the lever 3, and when so engaged the lever 8 is prevented from swinging outward.

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

1. In a vulcanizer, the combination with the body and the lid, of the lever 3 pivoted to the body and adapted to bear upon the lid, the lever 8 pivoted to the body, the arm pivotally carried by the lever 8 and adapted to bear upon the lever 3, and means for drawing said arm down upon said lever to securely close the lid.

2. In a vulcanizer, the combination with the body and the lid, of the lever 3 pivoted to the body and adapted to bear upon the lid, the locking-lever 8, the arm pivoted to said locking-lever, and the screw for clamping said arm upon the lever 3.

3. In a vulcanizer, the combination with the body, the lid, and means for locking the lid, of a lever pivoted to the body, and a pawl carried by said lever and adapted to engage and open the lid.

4. In a vulcanizer, the combination with the
body and the lid, of a lever pivotally connected
with the body, and a pawl connected with said
lever, said pawl being adapted to pass under
5 the lid when the lever is moved in one direc-
tion, and to raise the lid when the lever is
moved in the opposite direction.

5. In a vulcanizer, the combination with the
body and lid, of a lever 3 adapted to bear upon
10 and close the lid, a lever 8 having a pivoted
arm and means for clamping said arm against

the lever 3 to lock the lid, and a pawl carried
by said lever 8 and arranged to raise the lid
when the lever 8 is moved out of engagement
with the lever 3.

In testimony whereof I have signed my name
to this specification in the presence of two sub-
scribing witnesses.

HARRY W. TRUITT.

Witnesses:

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N. A. CORBETT.