

No. 825,873.

PATENTED JULY 10, 1906.

W. L. VAN HORN.  
TOY.

APPLICATION FILED NOV. 14, 1905.

FIG. 1.

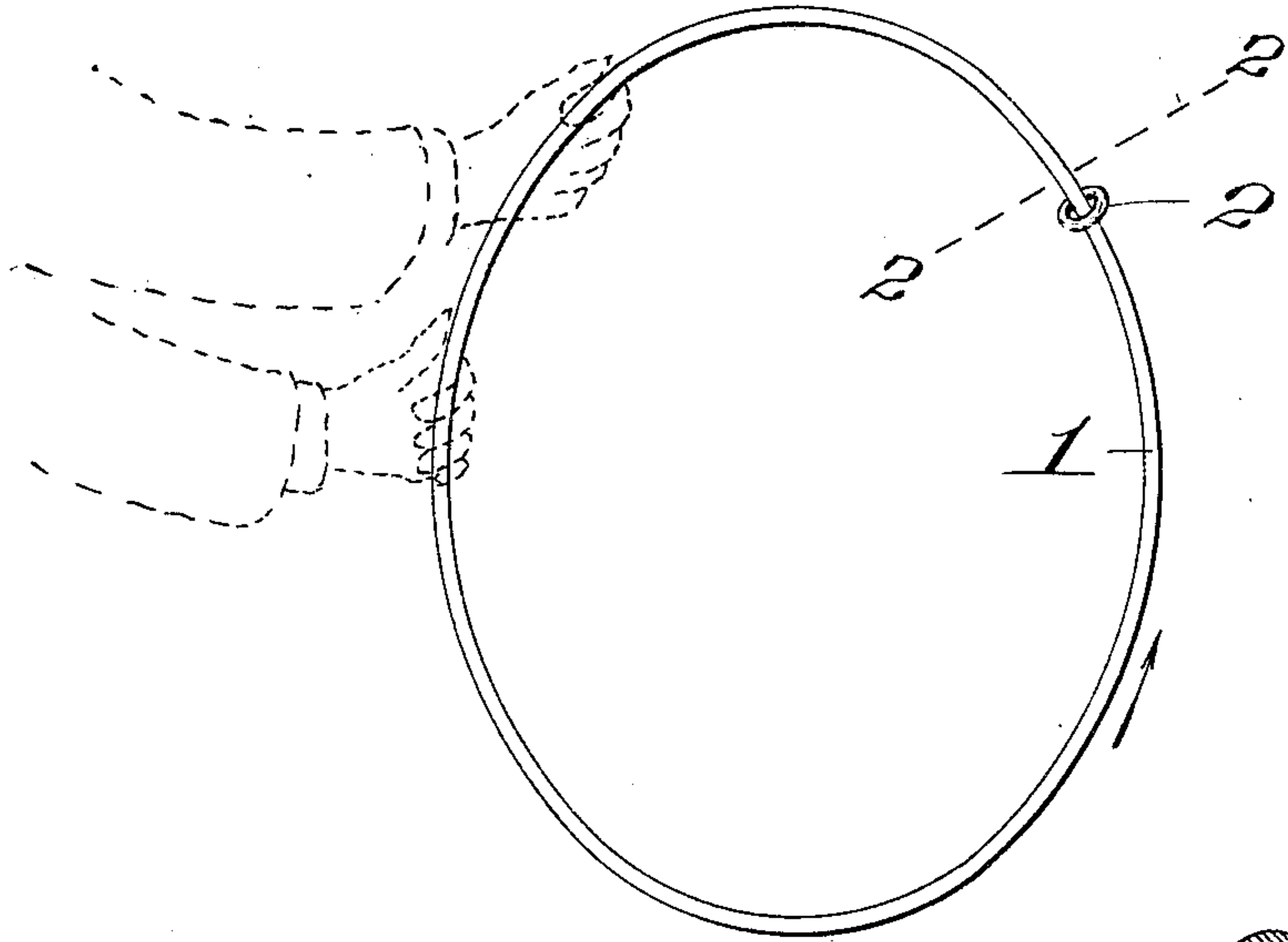


FIG. 2.

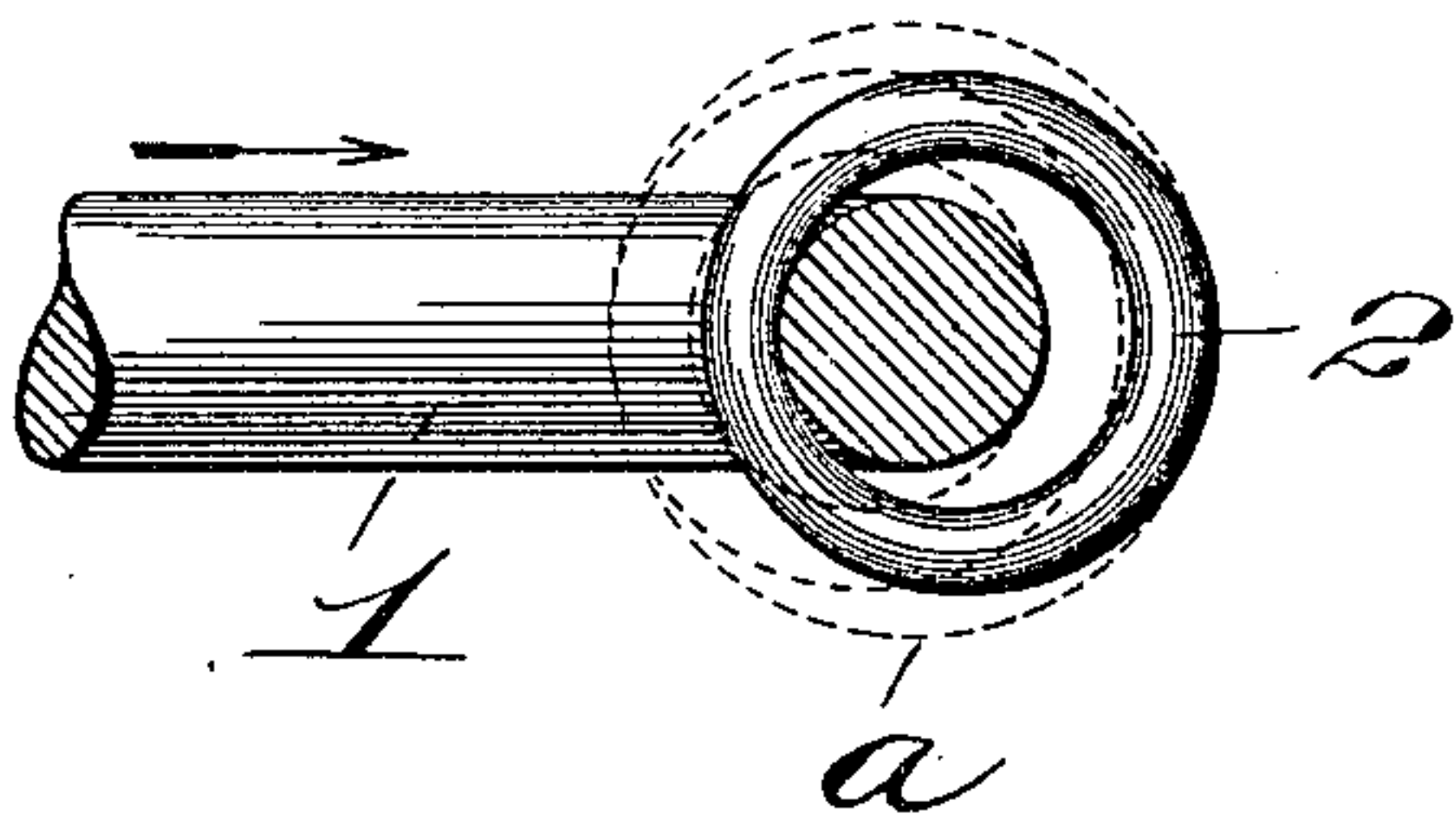


FIG. 3.

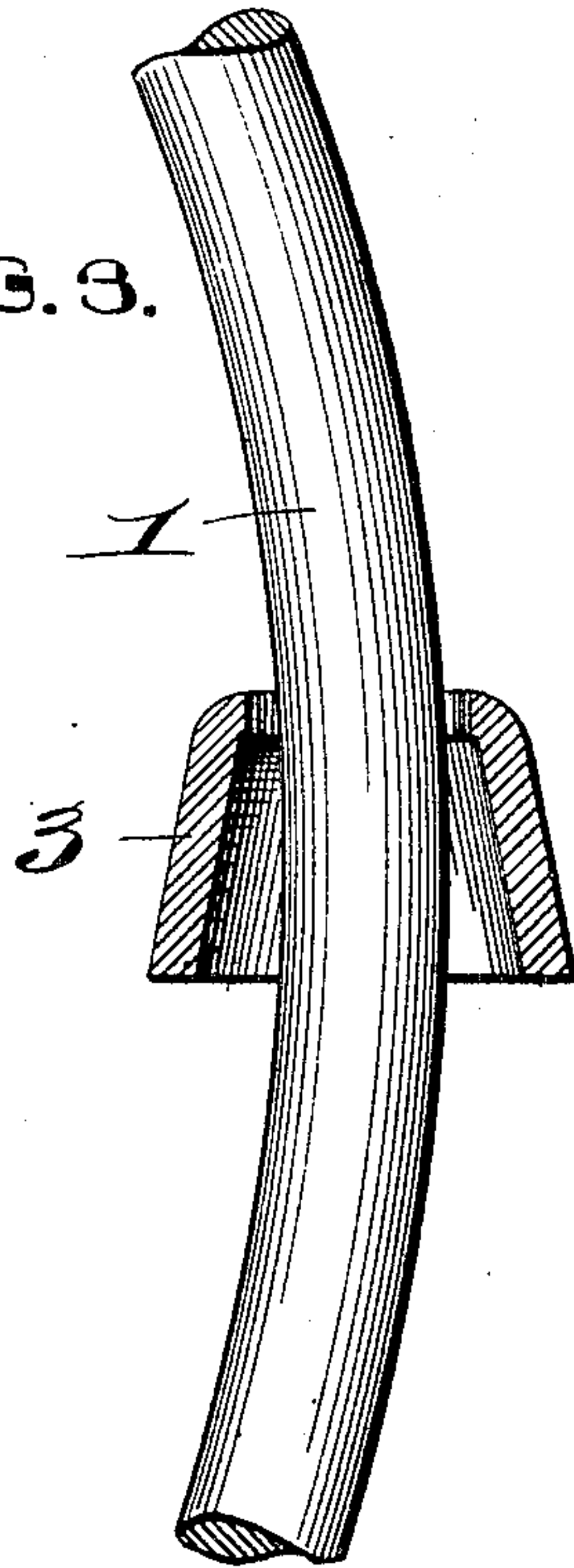
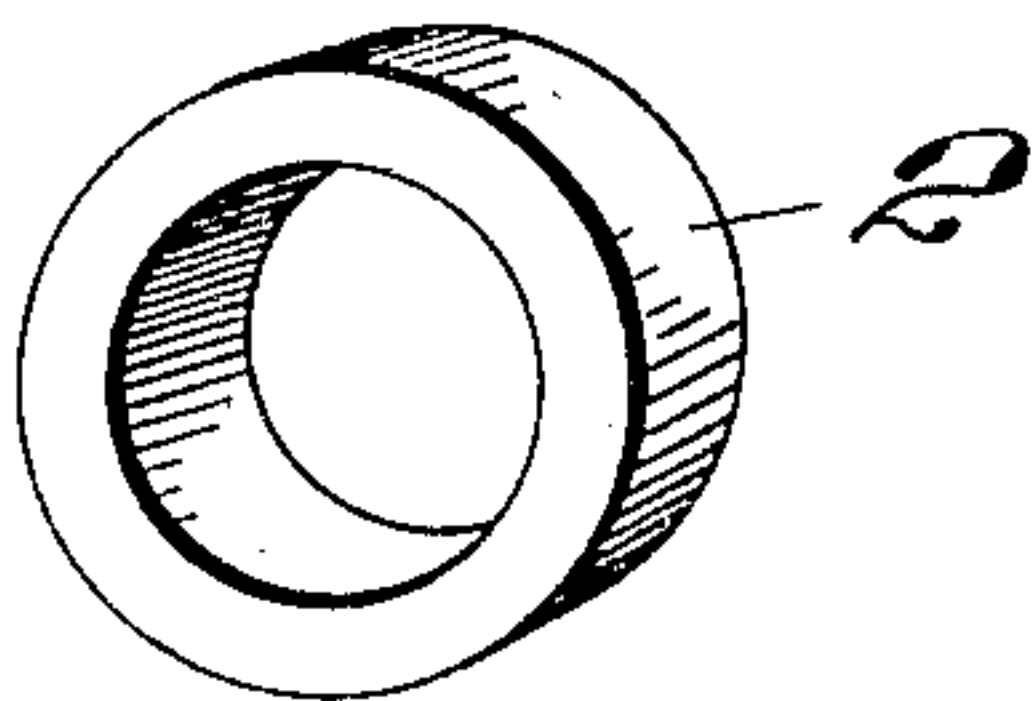


FIG. 4.



ATTEST.

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# UNITED STATES PATENT OFFICE.

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## TOY.

No. 825,873.

Specification of Letters Patent.

Patented July 10, 1906.

Application filed November 14, 1905. Serial No. 287,334.

*To all whom it may concern:*

Be it known that I, WILLIAM L. VAN HORN, a citizen of the United States, and a resident of Shawnee, Pottawatomie county, Oklahoma, have invented certain new and useful Improvements in Toys, of which the following is a specification containing a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to a toy which is particularly adapted for use as an amusement device; and my invention consists in a hoop on which is located a small ring.

In the drawings, Figure 1 is a perspective view of the hoop and ring which comprise the parts of my toy. Fig. 2 is an enlarged detail section taken on the line 2 2 of Fig. 1. Fig. 3 is an enlarged detail view illustrating in section a bell-shaped ring located on the hoop. Fig. 4 is a perspective view of a modified form of a ring that is used on the hoop.

Referring by numerals to the accompanying drawings, 1 indicates a hoop, preferably of metal and made perfectly round, with its meeting ends welded or soldered together. Located on this hoop is a small ring 2, preferably of metal, the interior diameter of which ring is approximately one-third larger than is the diameter of the bar of metal out of which the hoop is constructed. The material from which the ring 2 is made may be either round in cross-section, as shown in Fig. 2, or rectangular, as shown in Fig. 4.

If desired, a bell-shaped ring 3, as shown in Fig. 3, may be utilized, and where such a ring is employed it will while in operation give forth a sound similar to the continuous ringing of a small bell.

To operate my improved toy, the hoop is manually engaged and held in a vertical plane in front of the operator, and the ring is brought around to the top of the hoop and started by giving it a quick whirling movement with the thumb and finger. In whirling around upon the hoop it will travel around in a circular path, as indicated by the dotted line *a* in Fig. 2, and the tendency of said ring will be to ride downwardly upon the hoop. As said

ring whirls downwardly upon the front side of the hoop the operator slowly rotates the hoop toward himself or in the direction indicated by the arrow in Fig. 1, and this continued rotation of the hoop will tend to retard the downward motion of the ring; but at the same time this upward motion of the hoop causes the ring to continue to rotate or spin upon the hoop. The movement of the ring upon the hoop is similar to the movement of a nut downwardly upon a screw-threaded shaft, except of course that the ring whirls around upon the hoop with its center following a circular path around the center of the bar of material of which the hoop is constructed. By properly manipulating the hoop 1 the ring can be brought almost to the top of the hoop, or it can be allowed to travel nearly to the bottom thereof, this being accomplished by increasing or decreasing the rotation of the hoop. The ring can thus be continuously spun as long as desired, and its operation affords much amusement and interest to the operator.

Where a bell-shaped ring is made use of a very pleasant musical sound is made by the ring while it is in operation.

The ring can be spun or whirled in either direction upon the hoop, and it can be made to travel fast or slowly upon the hoop, which variance of movement depends upon the rotation of said hoop.

My improved toy is to be utilized principally as a toy for the amusement and instruction of children.

I claim—

A toy, constructed with a hoop, and a ring of uniform weight on all sides inclosing the hoop, and which ring is adapted to rotate and slide upon the hoop when the same is manually rotated; substantially as specified.

In testimony whereof I have signed my name to this specification in presence of two subscribing witnesses.

WILLIAM L. VAN HORN.

Witnesses:

M. P. SMITH,  
JOHN C. HIGDON.