

No. 630,003.

Patented Aug. 1, 1899.

**O. OLSON & J. A. JOHANSON.
MERRY-GO-ROUND.**

(Application filed Mar. 10, 1898.)

(No Model.)

2 Sheets—Sheet 1.

Fig. 1.

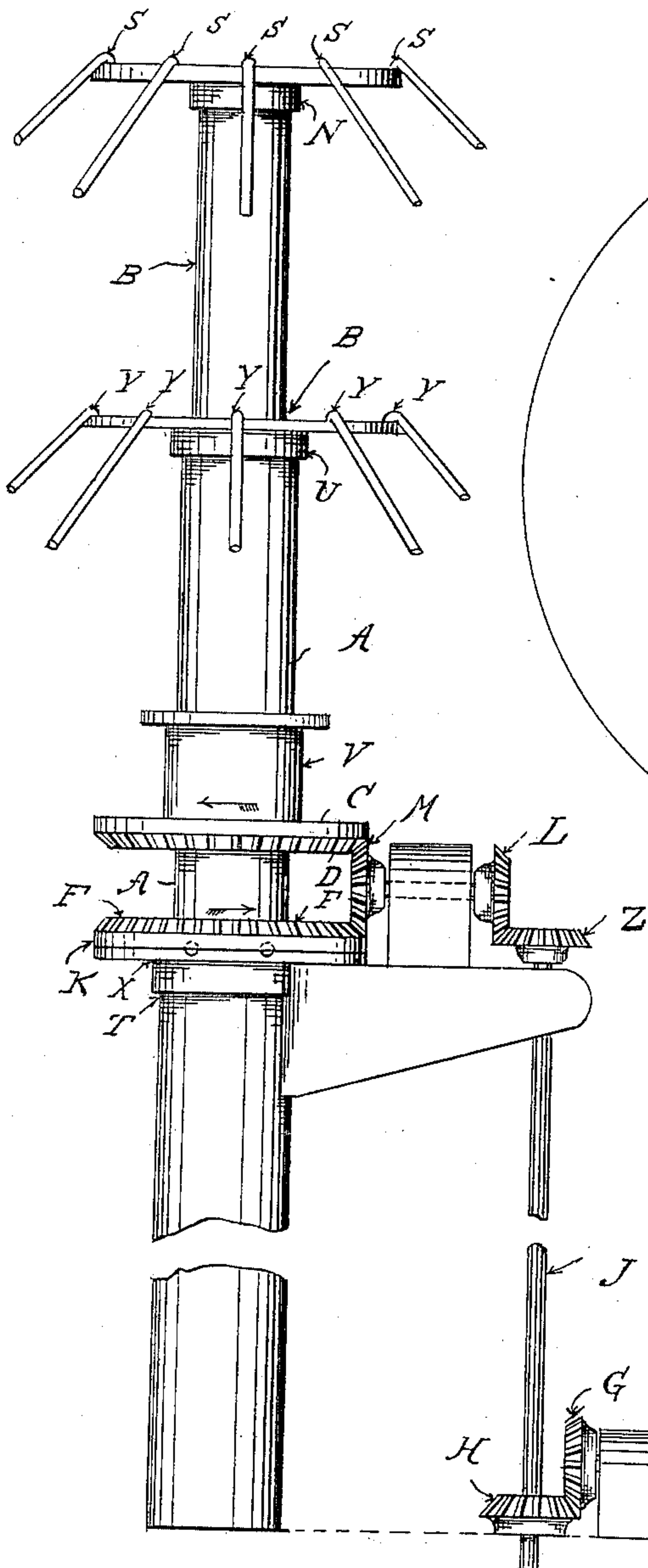
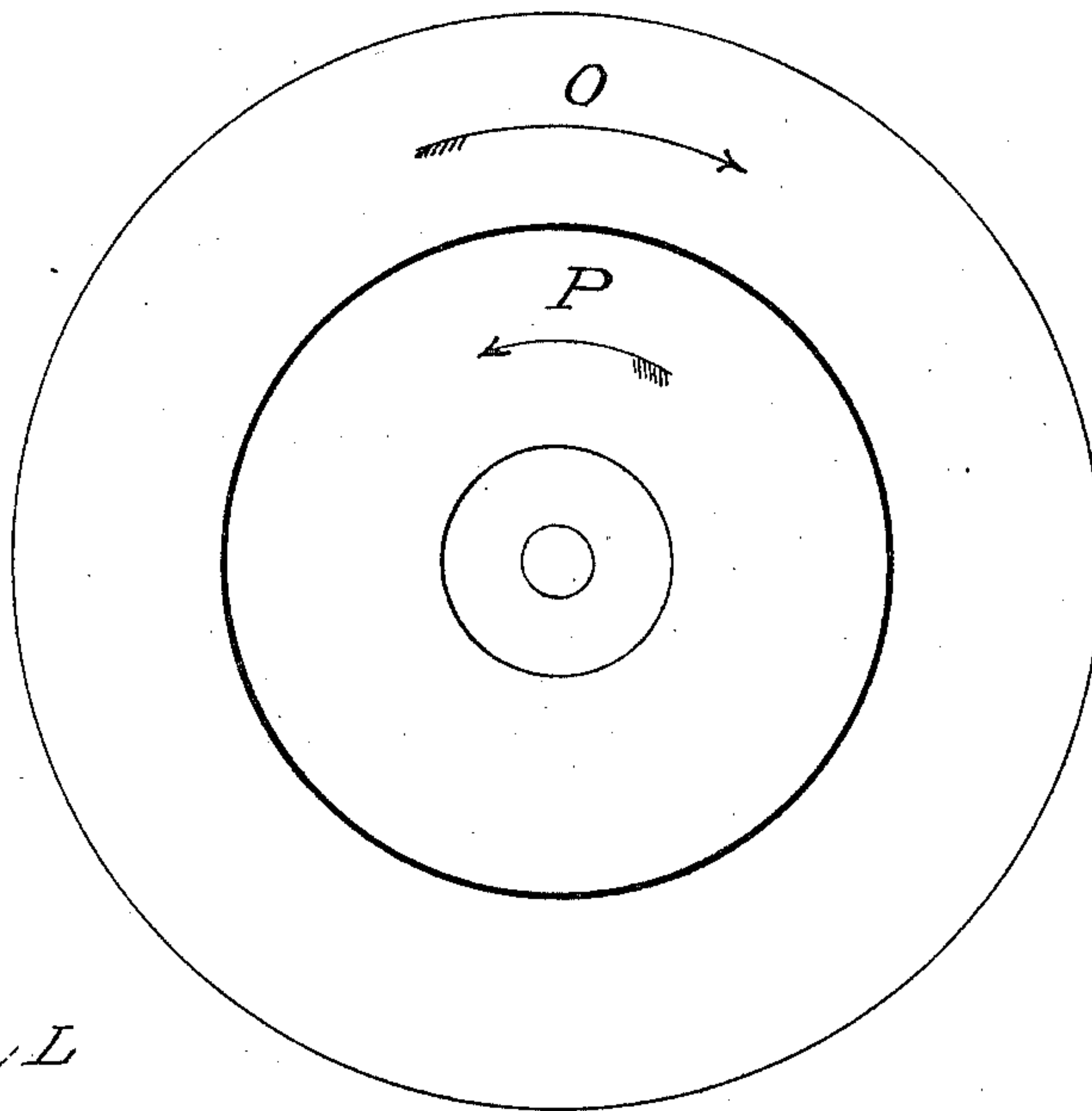


Fig. 2.



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Fig. 3.

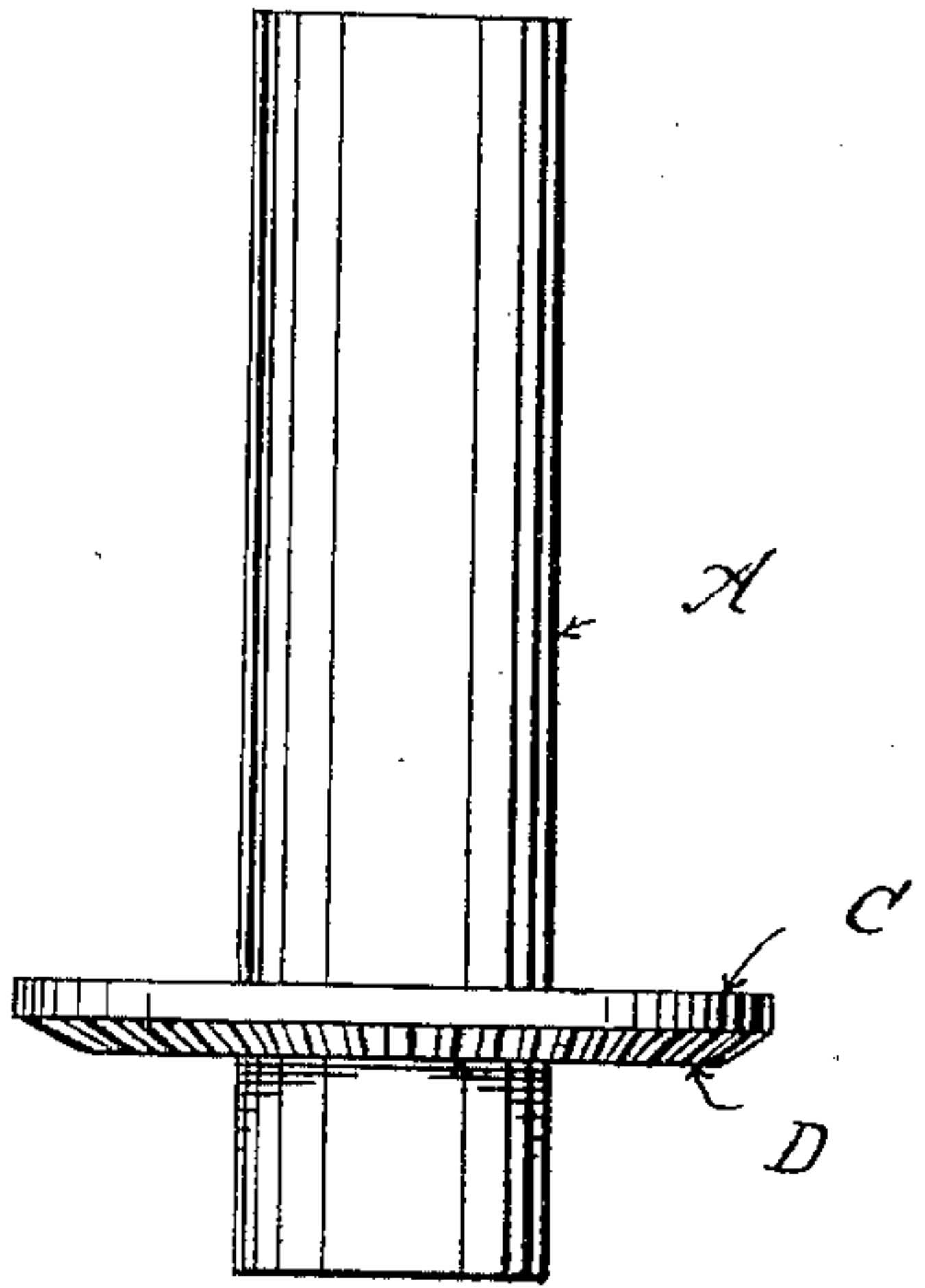


Fig. 4.

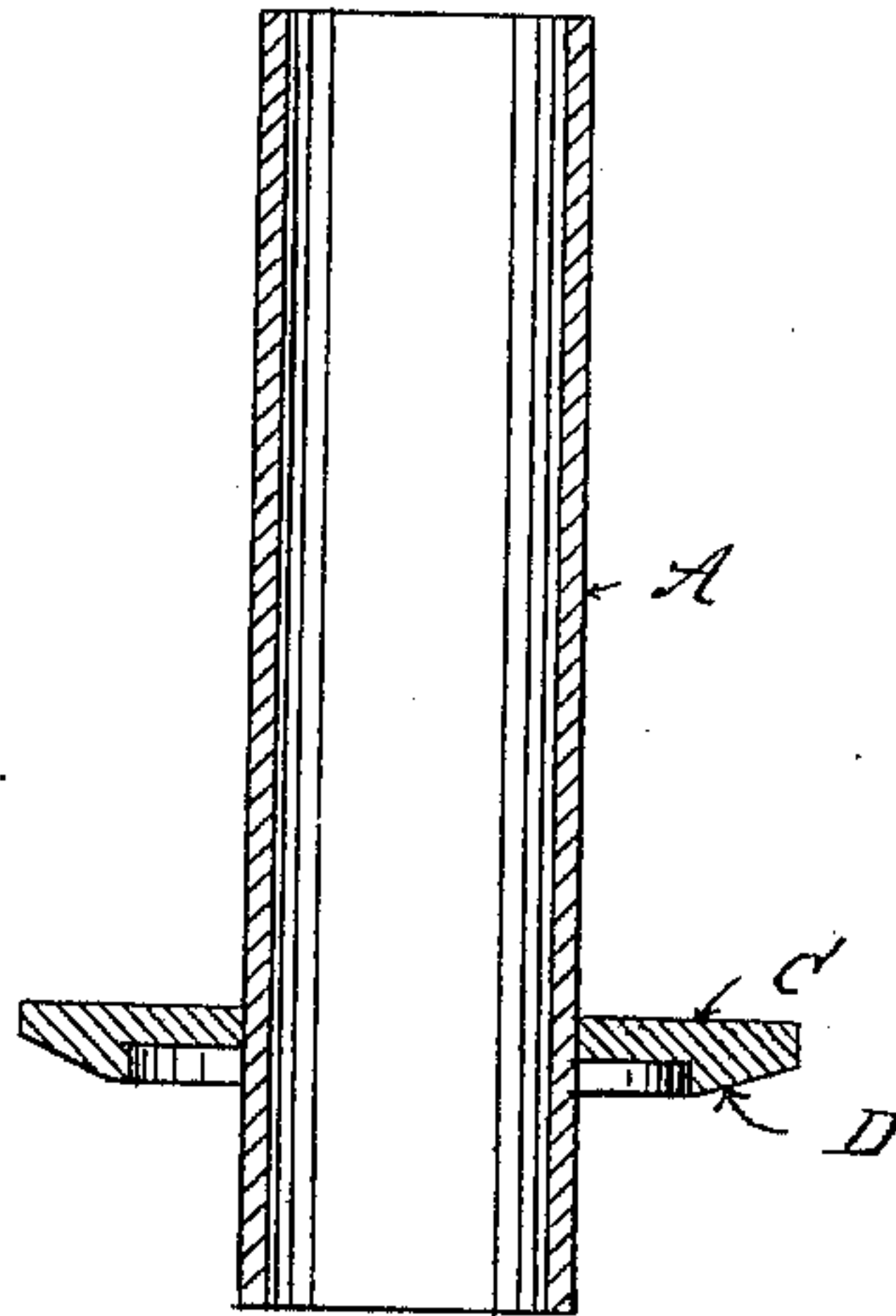


Fig. 5.

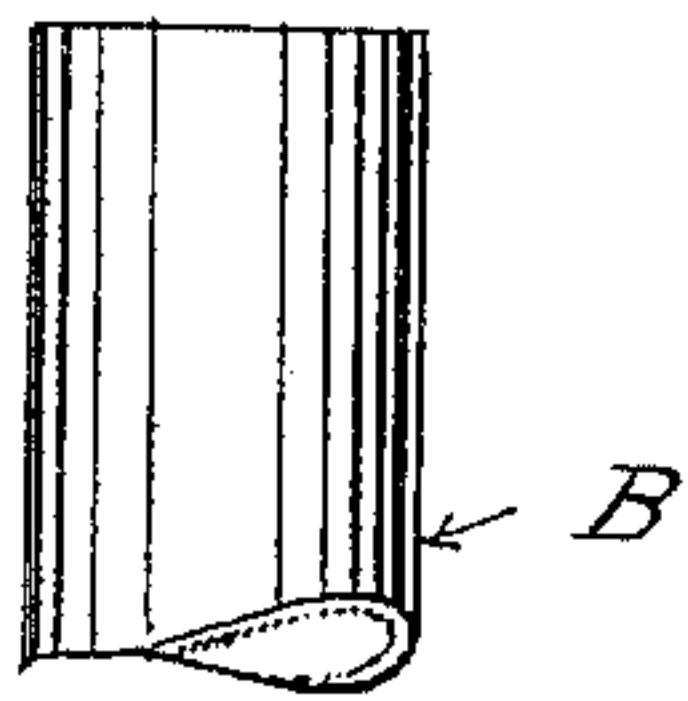


Fig. 7.

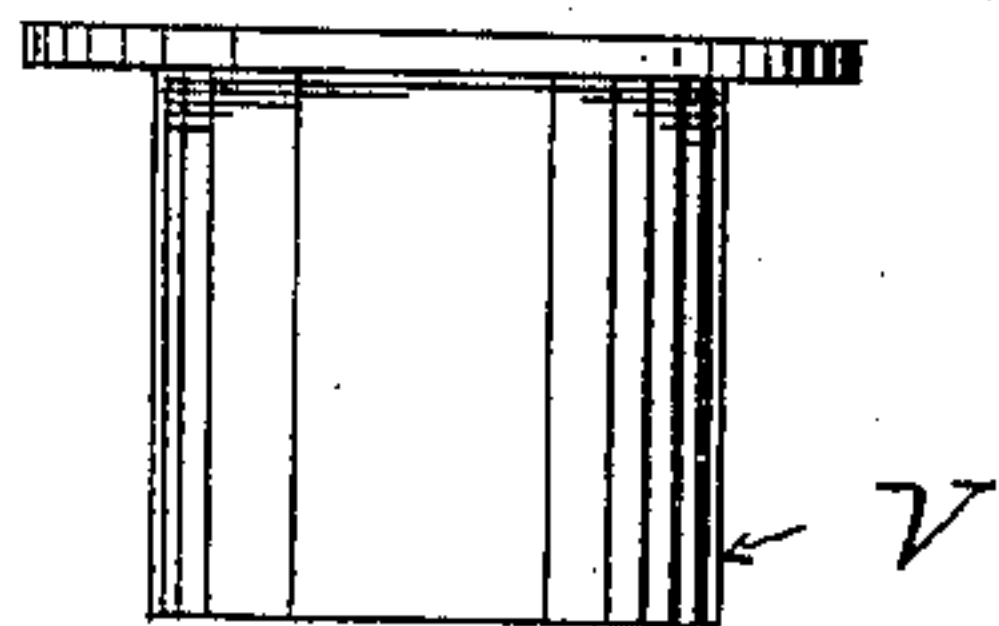


Fig. 6.

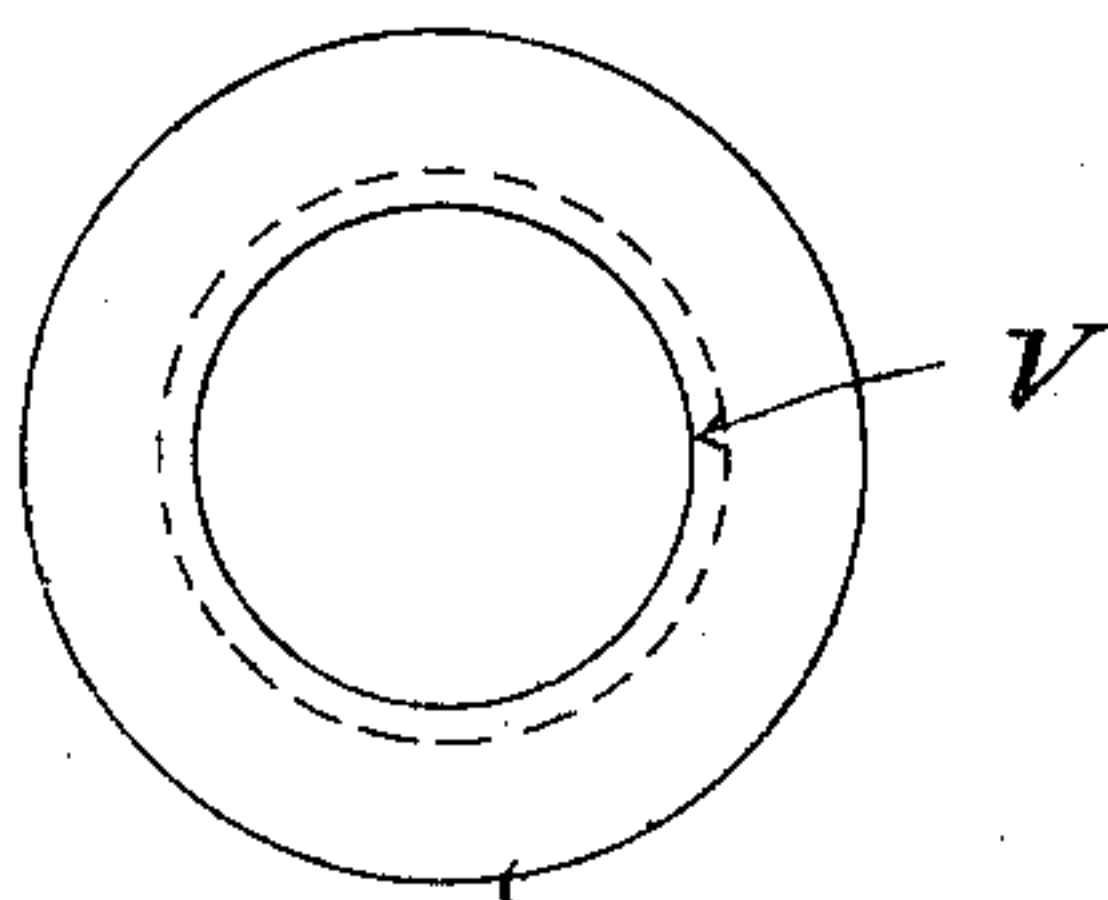
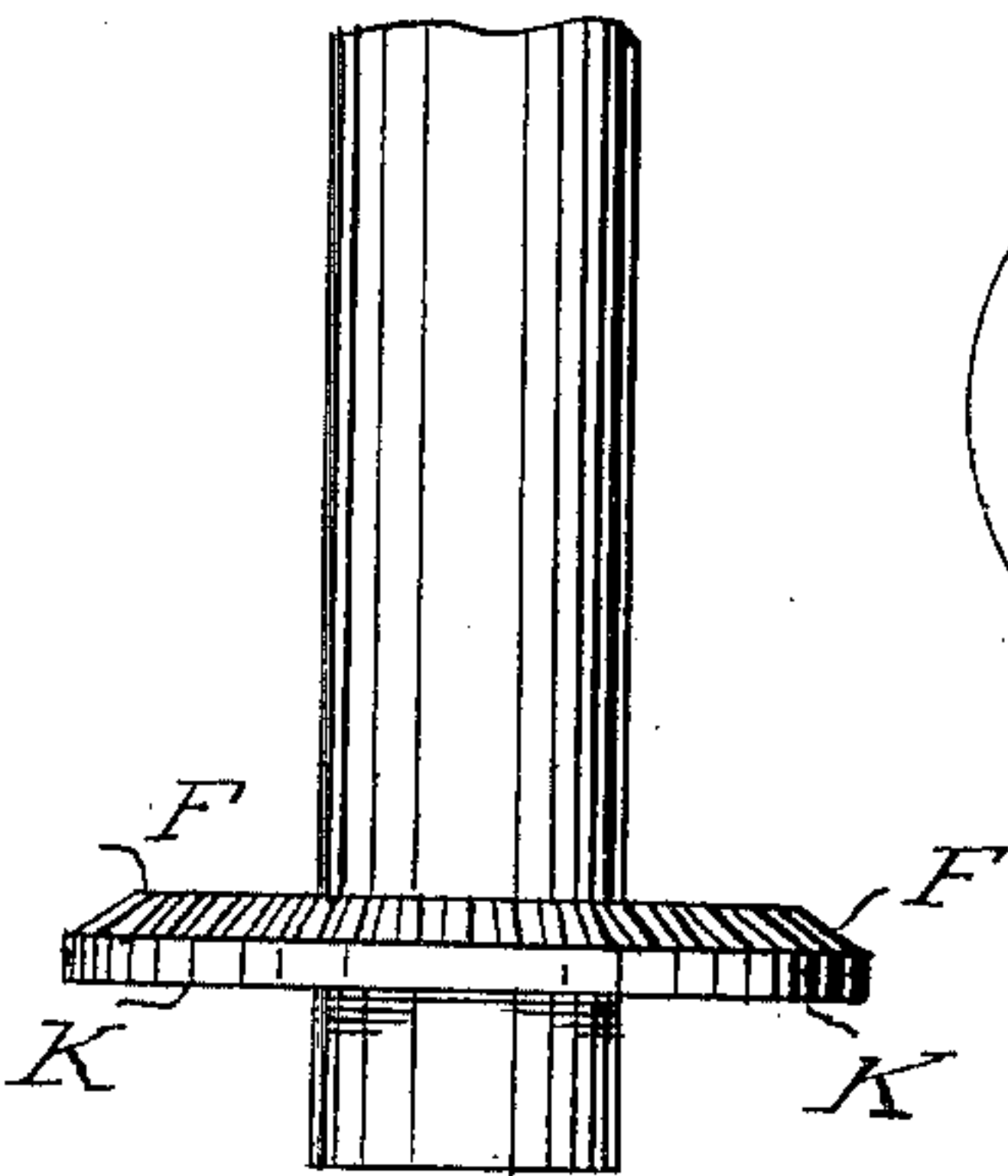
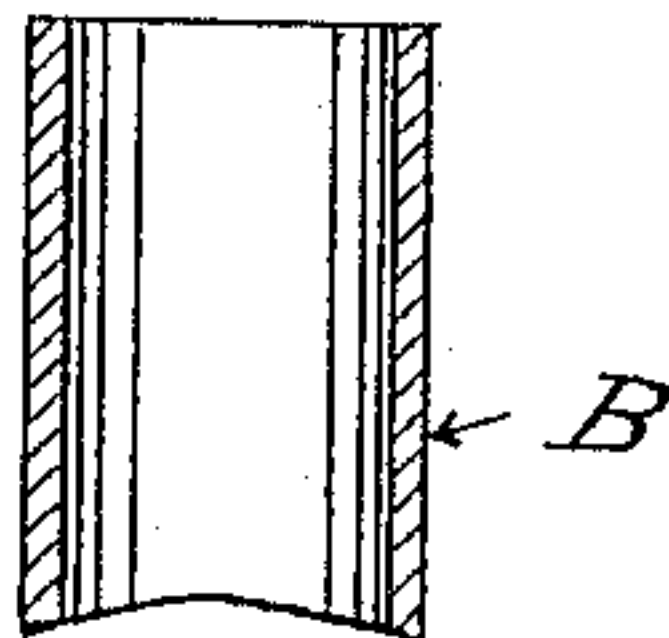
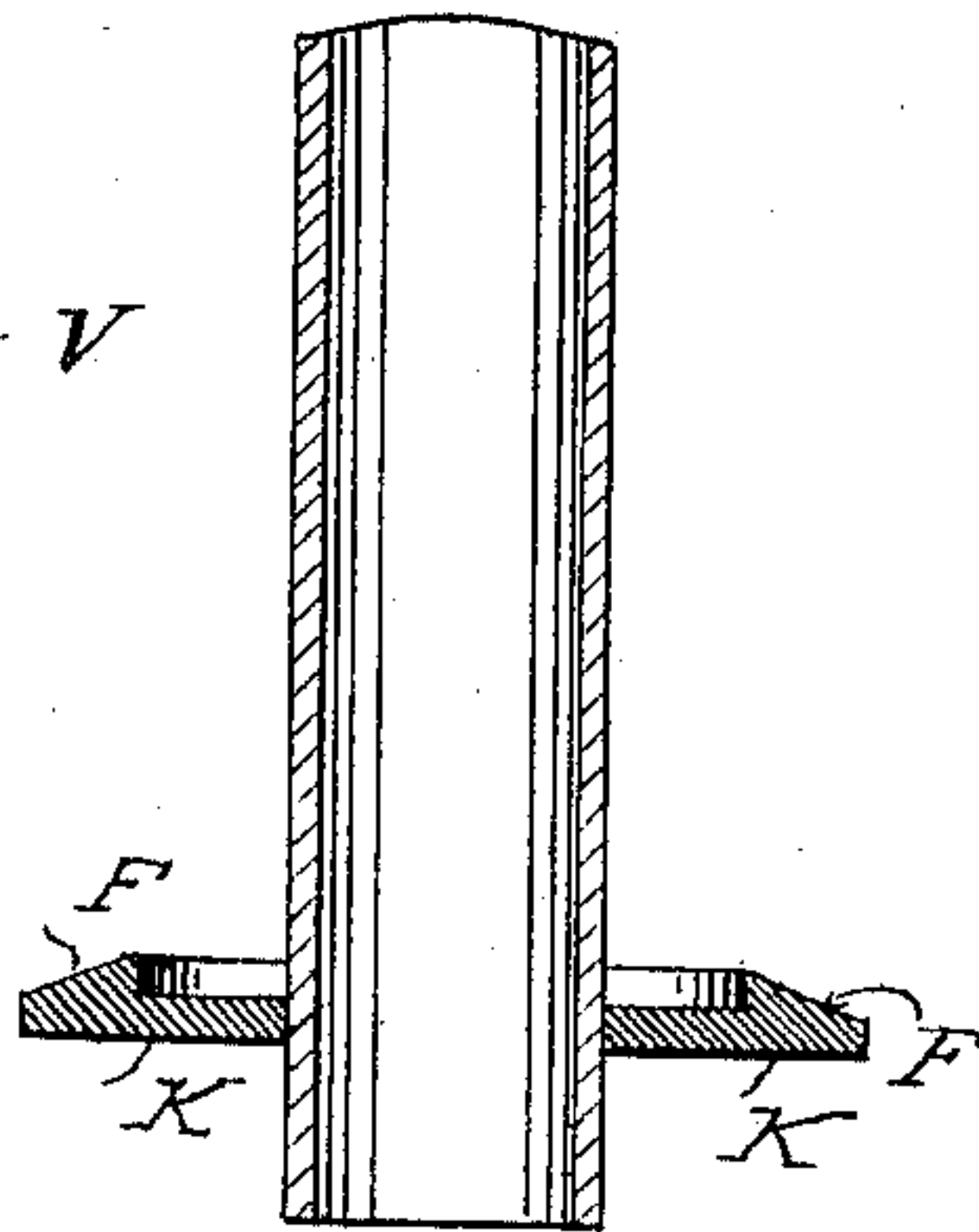


Fig. 8.



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OLAUS OLSON AND JOHAN AUGUST JOHANSON, OF NEW YORK, N. Y.

MERRY-GO-ROUND.

SPECIFICATION forming part of Letters Patent No. 630,003, dated August 1, 1899.

Application filed March 10, 1898. Serial No. 673,397. (No model.)

To all whom it may concern:

Be it known that we, OLAUS OLSON and JOHAN AUGUST JOHANSON, citizens of the United States of America, and residents of New York, county of Kings, State of New York, have invented certain new and useful Improvements in Roundabouts, of which the following is a specification.

Our invention relates to what are called "roundabouts."

The object of our improvements is to provide a roundabout having two circular platforms that will revolve in opposite directions. We attain this object by the means illustrated in the following drawings, in which—

Figure 1 is a view of the mechanism in position; Fig. 2, a flat view of the two circular platforms; Fig. 3, a view of tube A, flange, and cogs; Fig. 4, a sectional view of the same; Fig. 5, a view of tube B, flange, and cogs; Fig. 6, a sectional view of the same; Fig. 7, a view of collar V and flange; Fig. 8, a flat view of the same.

Similar letters refer to similar parts throughout the views.

The vertical metal tube B has at its lower part a flange K, adapted to ball-bearings. In the upper side of said flange are cogs F. The vertical metal tube A has at its lower part flange C, having cogs D on the under side of flange C. On a vertical central pole or shaft we place a metal collar or band T, having a flange X, adapted for ball-bearings. The tube B is placed on the pole encircling the same. The flange K rests on the ball-bearings on flange X. Over the tube B and encircling it is the tube A. A collar and flange V is secured by set-screws to tube A. A collar or band N, with a flange, is secured by set-screws to the top of tube B. To this flange are secured braces S, which are also secured to a circular framework. The circular horizontal platform O is connected by posts or uprights to the braces S. A metal collar or band U, with a flange, is likewise secured by set-screws to the top of tube A. To this flange are secured the braces Y, which are secured to a smaller circular framework. The circular horizontal platform P is secured to the braces Y, also by

posts or uprights, or, if preferred, the platforms may be secured by the posts to the circular framework instead of to the braces. Under both platforms are arranged rollers or other suitable means of support. The machine is operated as follows: At or near the base of the central vertical pole or shaft is a horizontal shaft I, with a pulley for transmitting power to it. This horizontal shaft connects with the vertical bevel cog-wheel G, which engages and operates horizontal bevel cog-wheel H, which is connected with the vertical shaft J, which connects with horizontal bevel cog-wheel Z, which engages and operates vertical bevel cog-wheel L, which is connected by a short shaft with vertical bevel cog-wheel M, which engages and operates the cogs F on flange K on tube B and also engages and operates cogs D on flange C on tube A. When in motion, platforms O and P revolve in opposite directions.

We are aware that cog-wheels have been used to operate roundabouts; but this we do not claim, broadly.

What we do claim as our invention in roundabouts, and desire Letters Patent for, is—

In a roundabout, a central mast with a collar thereon in combination with a tube or sleeve surrounding said mast and revoluble thereon and having at its lower end a bevel gear-wheel resting upon said collar, and at its other end a shoulder adapted to support stay-ropes, a second tube or sleeve surrounding and revoluble upon said first sleeve or tube, having a shoulder for stay-ropes at one end and a bevel gear-wheel at the other end adjacent to the gear-wheel of the inner tube or sleeve; both of said gear-wheels enmeshing with a common pinion, by means of which the tubes or sleeves are revolved in opposite directions.

Signed by us, at New York, N. Y., this 26th day of February, 1898.

OLAUS OLSON.
JOHAN AUGUST JOHANSON.

Witnesses:

JOHN H. BAXTER,
ISABEL BROWN.