

No. 847,280

PATENTED MAR. 12, 1907.

W. J. CUNNINGHAM.
ATTACHMENT FOR BOTTLE WASHING MACHINES.

APPLICATION FILED DEC. 15, 1906.

2 SHEETS—SHEET 1.

Fig. 1.

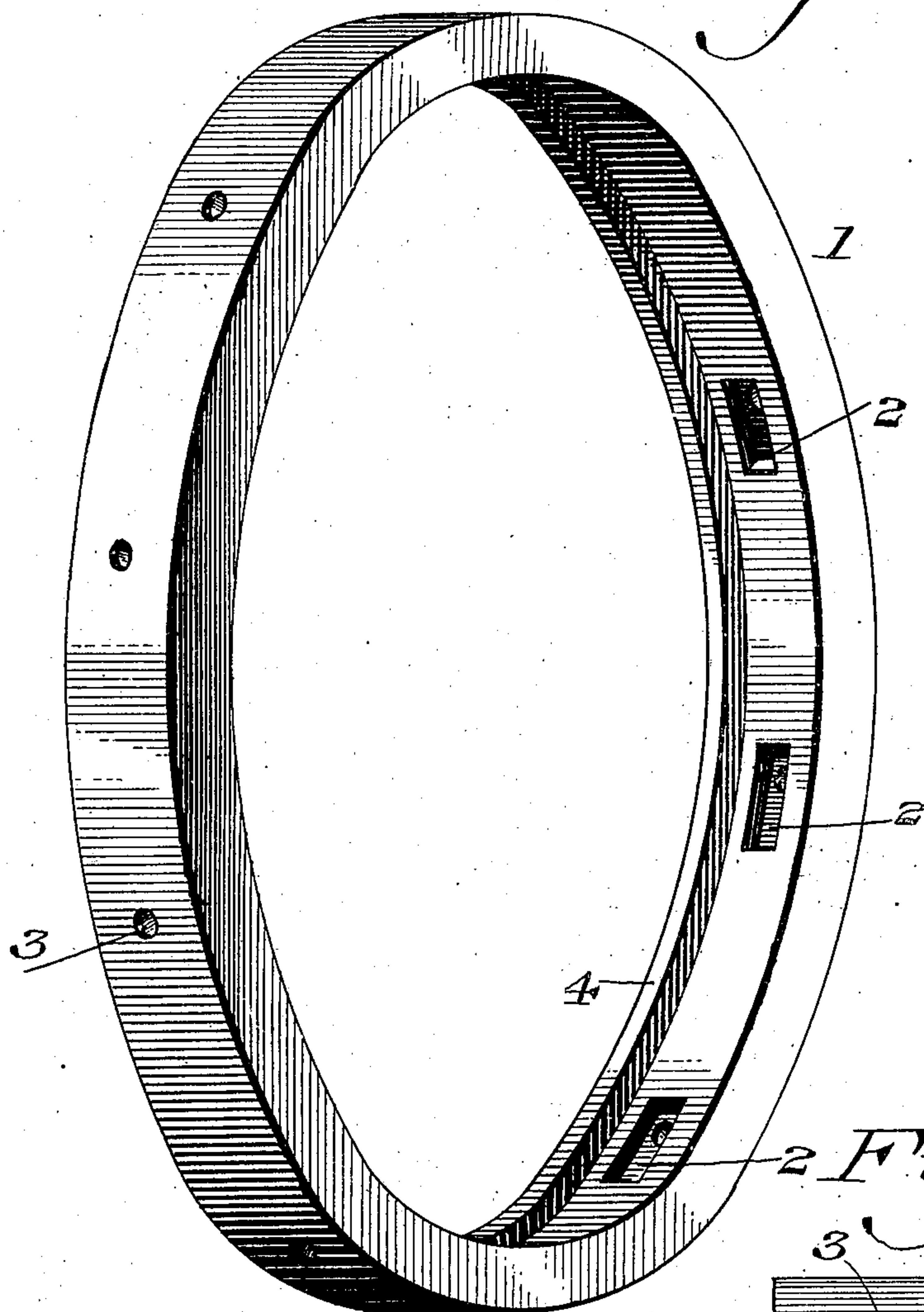
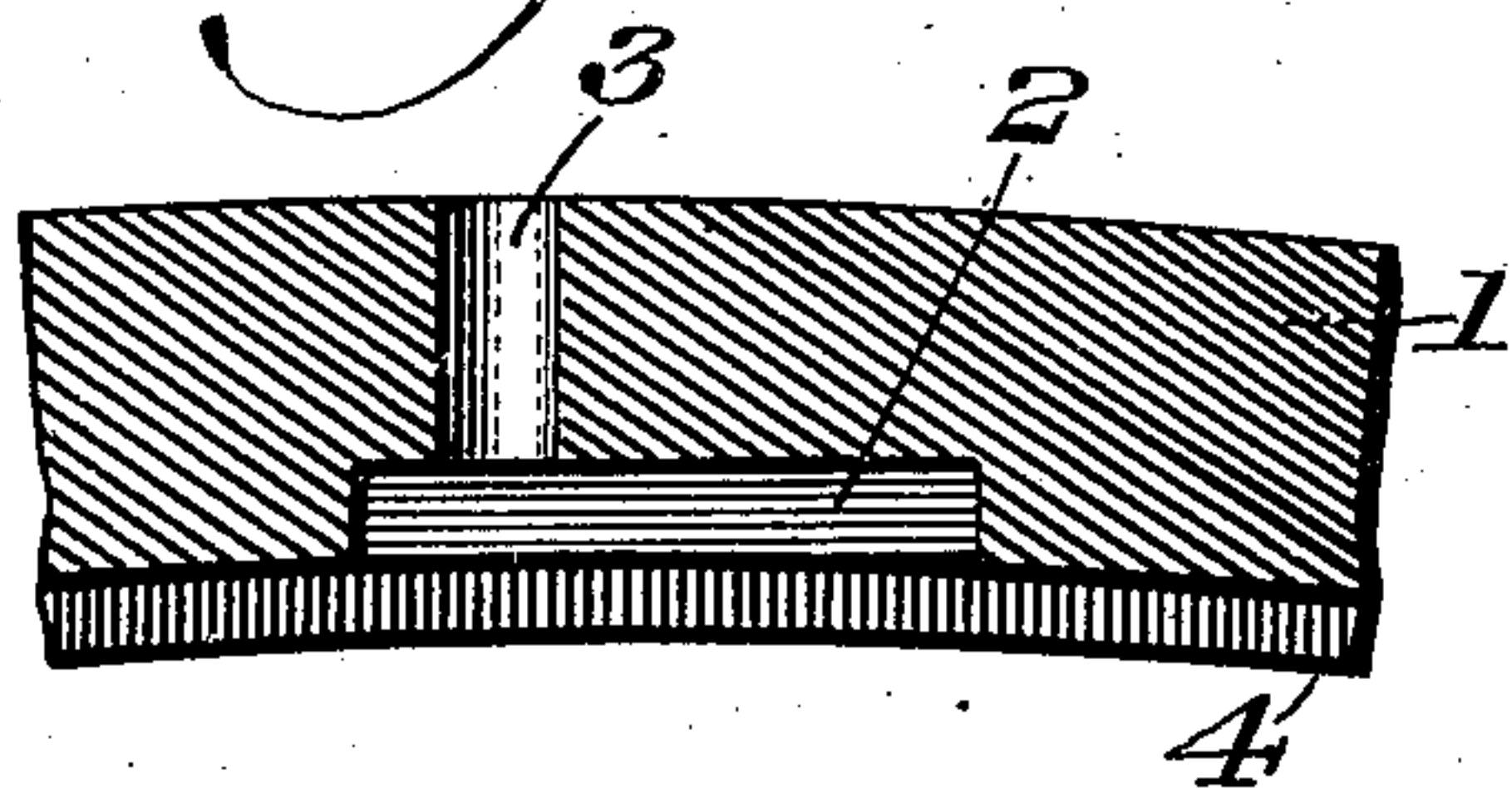
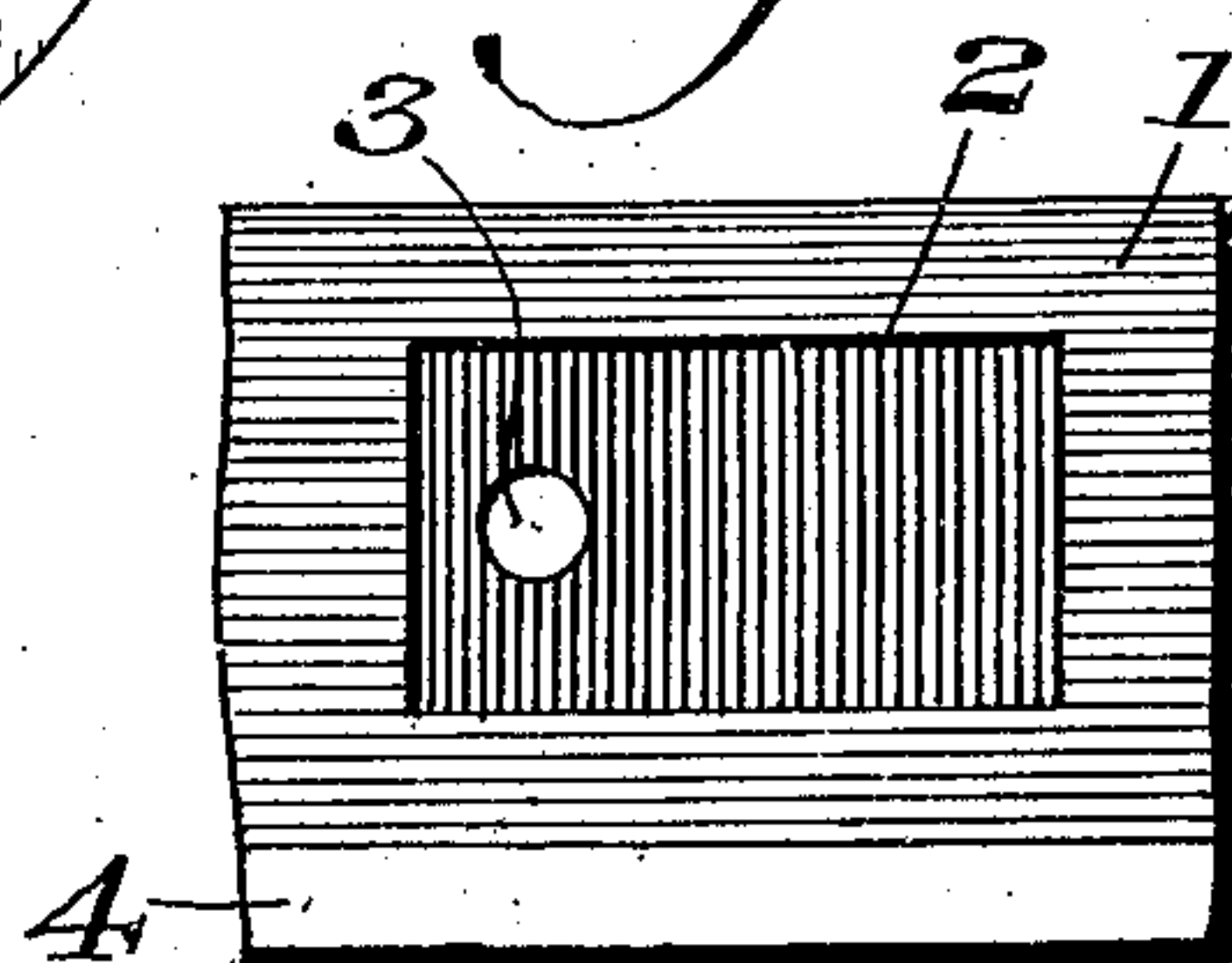


Fig. 2.



Witnesses
P. F. Nagle.
L. Rouville.

Fig. 3.



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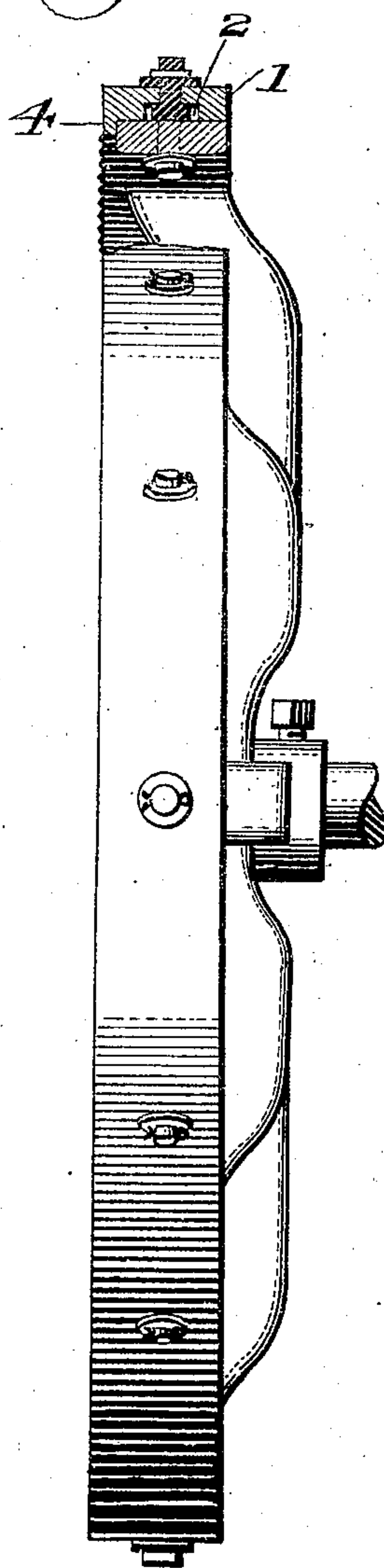
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2 SHEETS—SHEET 2.

Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

WILLIAM J. CUNNINGHAM, OF PHILADELPHIA, PENNSYLVANIA.

ATTACHMENT FOR BOTTLE-WASHING MACHINES.

No. 847,280.

Specification of Letters Patent.

Patented March 12, 1907.

Original application filed April 13, 1906, Serial No. 311,514. Divided and this application filed December 15, 1906. Serial No. 348,032.

To all whom it may concern:

Be it known that I, WILLIAM J. CUNNINGHAM, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Attachment for Bottle-Washing Machines, (which is a division of my application filed April 13, 1906, Serial No. 311,514,) of which the following is a specification.

My invention relates to a new and useful improvement in attachment for bottle-washing machines, and consists of a band, preferably formed of rubber, having openings therethrough at intervals and recesses adjacent said openings in the inner face being adapted to seat a movable bar.

It further consists of other novel features of construction, all as will be hereinafter fully set forth.

Figure 1 represents a perspective view of a ring embodying my invention. Fig. 2 represents a sectional view of a portion of the ring. Fig. 3 represents a bottom plan view of a portion of said ring. Fig. 4 represents a partial elevation and partial sectional view of the ring, showing the same in position upon a disk or wheel.

Similar numerals of reference indicate corresponding parts in the figures.

Referring to the drawings as set forth in my application for Letters Patent above mentioned, it is necessary in bottle-washing machines to provide the disks as shown in my Letters Patent No. 708,321, granted September 2, 1902, with resilient means which will contact with the bottles and prevent breakage thereof, and it is necessary that a lateral movement be permitted between said resilient means and the disks.

I have shown in the present application as a new article of manufacture a rubber band, which is adapted to be movably secured to the disks, so that, in addition to the resilient qualities of the band, the movement thereof acts as a further safeguard against breakage.

It will be evident that slight changes may be made in the construction shown in the

drawings, which is the form I preferably desire, which will accomplish the same result, and I wish to make changes therein which will come within the scope of my invention.

1 designates a ring, of rubber or other suitable material, which is provided with the recesses 2 at suitable intervals in its inner face, said recesses having leading therefrom the openings 3 through to the outer surface of the band.

4 designates a flange or lip projecting inwardly from one edge of the ring, it being understood that said flange or lip is adapted to bear against the edge of the rim of the wheel or disk in order to prevent improper movement of the band in one direction. The openings 3 are adapted to receive the pin of a crank and the connecting-bar of which is seated in the recess 2, a pin connected with said bar. A pin connected with said bar is secured to the wheel in suitable openings provided therefor, by which means it will be apparent that the ring 1 is movably connected with the disks or wheels and by means of the recesses 2 undue wear on the ring is prevented.

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

1. As a new article of manufacture, a rubber band adapted for use in a bottle-washing machine or the like, having openings therethrough and having recesses or seats provided at intervals in its inner face.

2. As a new article of manufacture, a rubber band adapted for use in bottle-washing machines and the like, having openings therethrough at intervals, recesses in its inner face and a depending lip on one edge.

3. As a new article of manufacture, a rubber band adapted for use in bottle-washing machines or the like, having openings therethrough at intervals, and recesses adjacent said openings at intervals in its inner face.

WILLIAM J. CUNNINGHAM.

Witnesses:

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