

No. 846,636.

PATENTED MAR. 12, 1907.

A. A. WENSINGER.

TOILET BRUSH.

APPLICATION FILED NOV. 24, 1906.

Fig. 1.

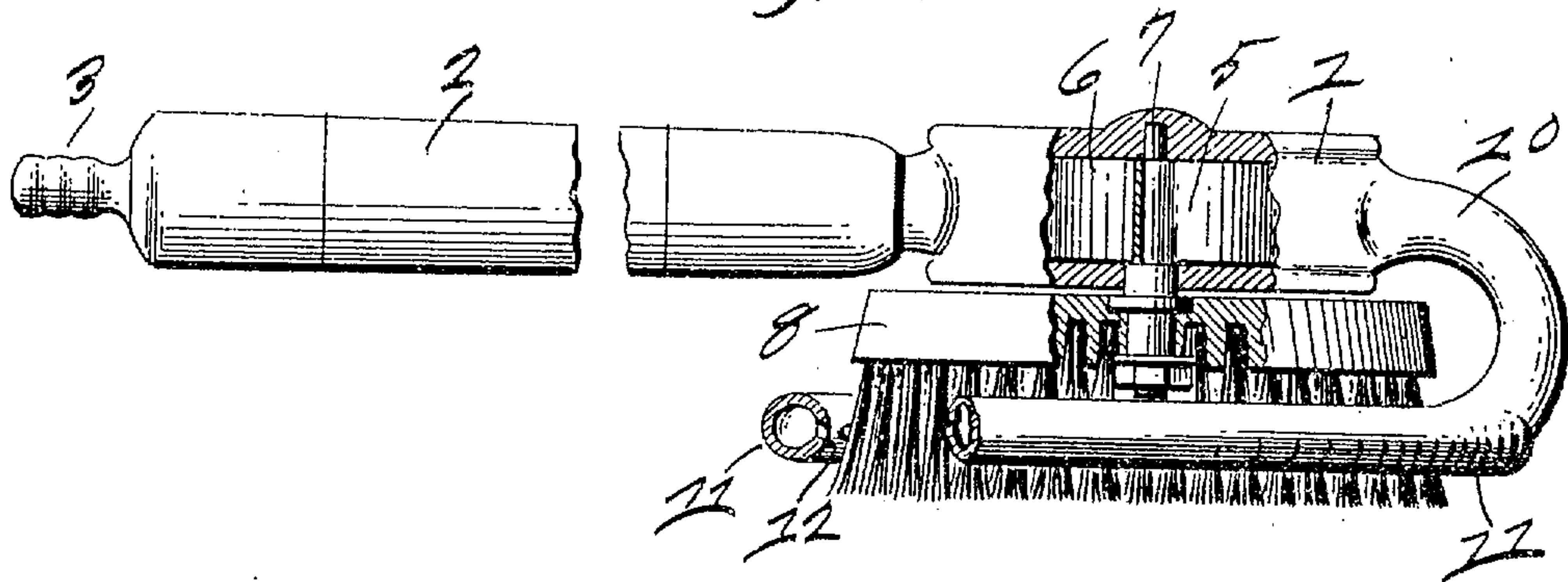
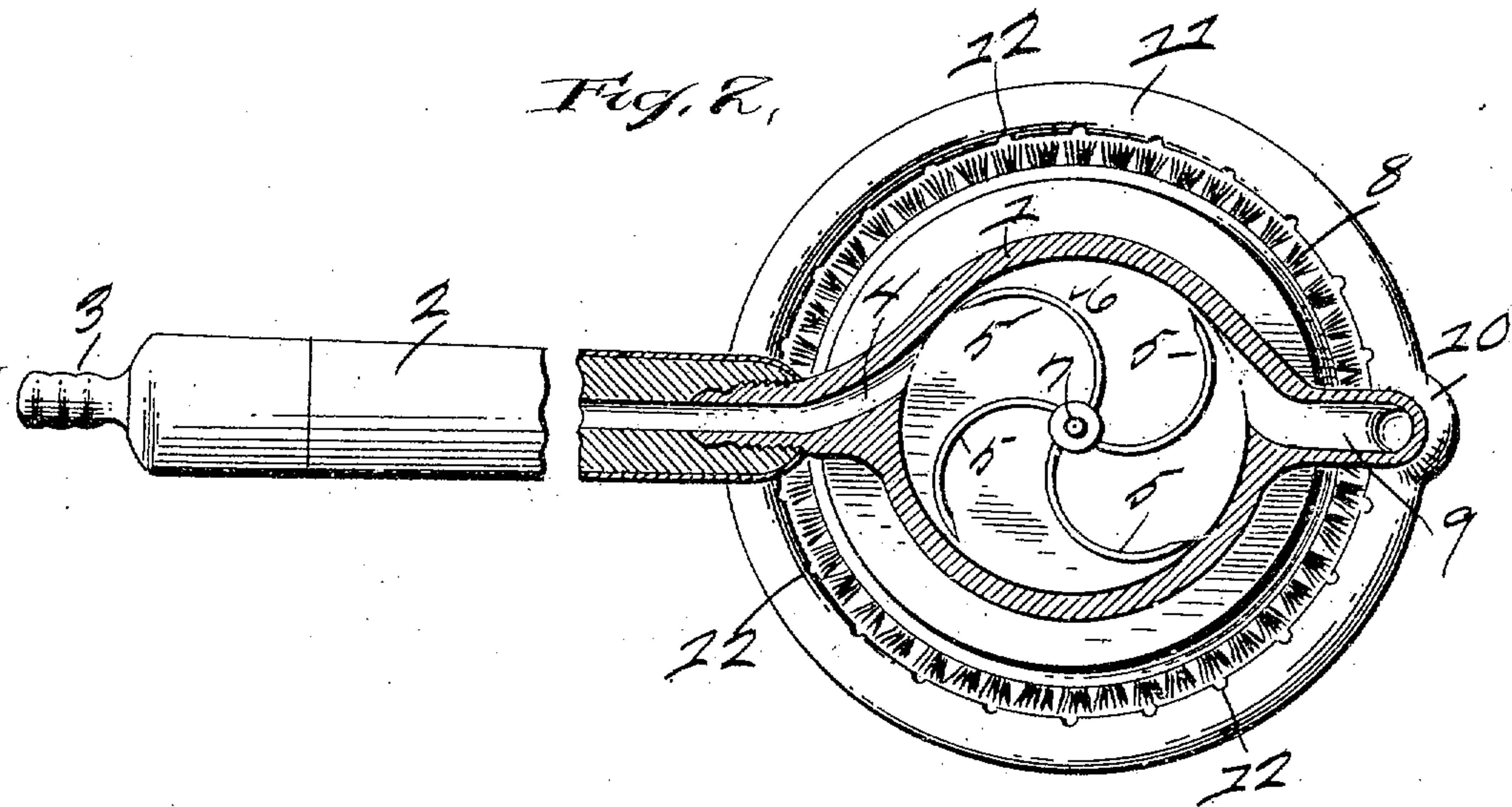


Fig. 2.



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# UNITED STATES PATENT OFFICE.

ANDREW A. WENSINGER, OF TOLEDO, OHIO.

## TOILET-BRUSH.

No. 846,636.

Specification of Letters Patent.

Patented March 12, 1907.

Application filed November 24, 1906. Serial No. 344,849.

*To all whom it may concern:*

Be it known that I, ANDREW A. WENSINGER, of Toledo, county of Lucas, and State of Ohio, have invented certain new and useful Improvements in Toilet-Brushes; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form part of this specification.

This invention relates to toilet-brushes for use in the bath and for shampooing; and it has for its object to provide a brush for this purpose which shall have a rotary movement, being impelled by the passage of the water therethrough.

A further object is to provide means for confining the water to the exact portion of the body to which the brush is applied.

A further object is to provide means for eliminating the possibility of too great a pressure upon the brush while in action to retard or stop its rotation.

With these objects in view the invention is constructed, and it embodies the novel combination, arrangement, and details of construction hereinafter shown, described, and claimed.

In the accompanying drawings, Figure 1 is an elevation, partly in section, of my improved brush; Fig. 2 is a sectional plan view of the same.

Referring to the details of construction, 1 is a hollow cylindrical body, preferably cast of aluminium to insure lightness, and to the body is detachably connected a tubular handle 2, provided at its end with a nipple 3 for attachment, by means of a flexible connection, to a suitable supply of water under pressure. The water is conducted through the handle and the port 4 in the body and is directed against the vanes 5 of a water-wheel 6, journaled in the body, the axle 7 of the water-wheel projecting through the body and having a circular brush 8 detachably secured thereon so as to rotate therewith. The water after acting upon the wheel to effect its rotation is carried through a port 9 and a bent connection 10 to an annular discharge-head 11, entirely surrounding the brush and provided with a series of orifices 12 upon its inner face, adapted to project the water in a plurality of jets against the periphery of the

brush. The annular head is positioned slightly above the plane of the brush-face, so that when the brush is pressed against the body the bristles of the brush will give slightly, causing the annular head to contact with the body, serving as a guiding support for the brush while in use and eliminating the possibility of retarding the rotation of the brush by excessive pressure thereon. The annular head also serves an additional purpose, which I consider a valuable feature of the invention. When the water is discharged against the periphery of the brush, the centrifugal action due to its rapid rotation has a tendency to throw the water outward and wet the surroundings in the apartment or bath-room in which the device is used. This is entirely prevented by the annular head, which, acting as a guard, confines the water so that the water and its usual accompaniment of soap are applied to the exact portion of the body to which the device is applied.

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

1. A toilet-brush comprising a hollow body, a water-wheel mounted for rotation therein, a brush connected to and rotatable with said wheel, means for directing a supply of water against said wheel to impart rotation thereto, and an annular discharge-head surrounding the brush and adapted to direct the water upon the periphery of the brush, substantially as described.

2. A toilet-brush comprising a hollow cylindrical body, a water-wheel mounted upon an axle to rotate within the body, the axle being extended downwardly through the body, a brush carried at the lower end of the axle and rotatable therewith, means for directing a supply of water against the wheel, and a combined discharge-head and guard adapted to direct the water against the periphery of the brush, said head consisting of an annular perforated tube connecting with the interior of the body and surrounding the brush and positioned slightly above the plane of the brush-face, substantially as described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

ANDREW A. WENSINGER.

Witnesses:

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