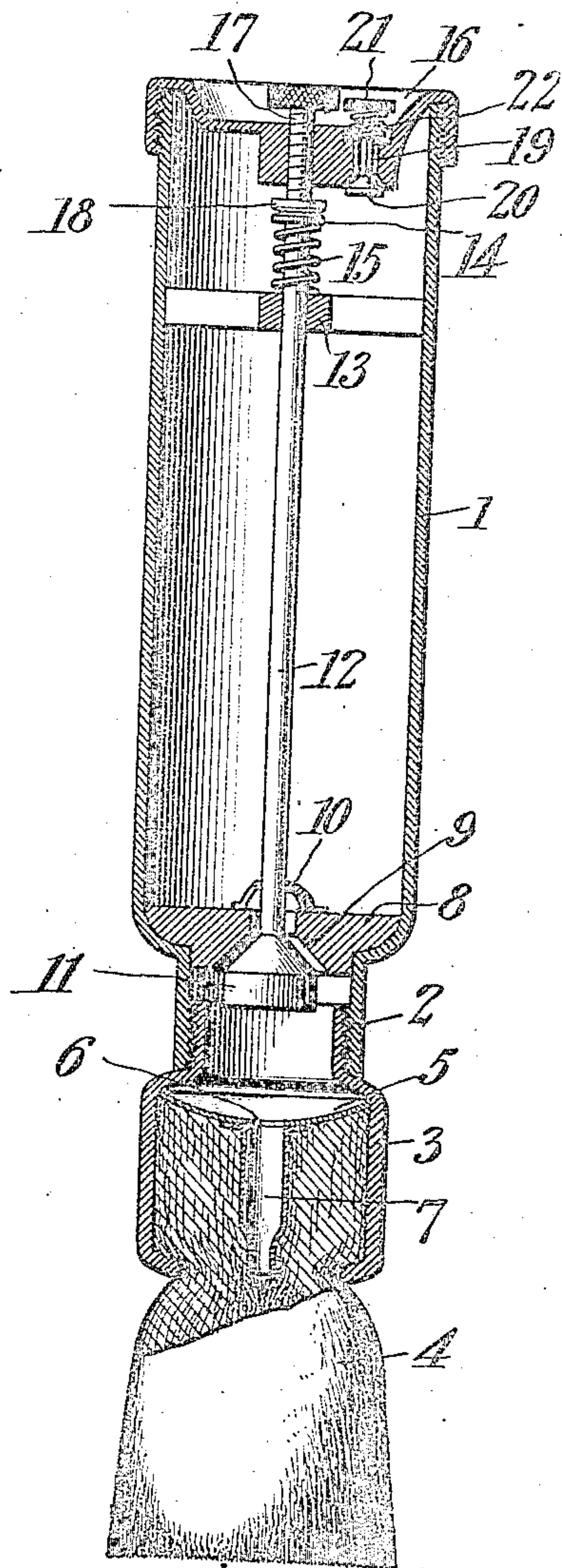


No. 862,630.

PATENTED AUG. 6, 1907.

E. A. & C. A. GARVEY.
FOUNTAIN MARKING AND STENCIL BRUSH.
APPLICATION FILED DEC. 19, 1906.



Witnesses:

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UNITED STATES PATENT OFFICE.

EDWARD A. GARVEY AND CHRISTOPHER A. GARVEY, OF ST. LOUIS, MISSOURI.

FOUNTAIN MARKING AND STENCIL BRUSH.

No. 862,630.

Specification of Letters Patent.

Patented Aug. 6, 1907.

Application filed December 19, 1906. Serial No. 348,615.

To all whom it may concern:

Be it known that we, EDWARD A. GARVEY and CHRISTOPHER A. GARVEY, citizens of the United States of America, residing in the city of St. Louis and State of Missouri, have invented certain new and useful Improvements in Fountain Marking and Stencil Brushes, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, forming part of this specification.

10 Our invention relates to a fountain brush for use either with or without the use of a stencil and the present invention has for its object to provide adjustable means whereby the valve that controls the flow of marking fluid to the bristles may be held unseated to 15 any desired degree for the purpose of regulating flow of fluid to the bristles according to the nature of the marking fluid and commensurate with the character of the bristles and the amount of fluid it may be desired to use therein.

20 The drawing is a longitudinal section taken through our brush.

1 designates the reservoir of the brush that terminated at its inner end in a neck 2, and 3 is a head in which the bristles 4 are confined. The head 3 is detachably connected to the neck of the reservoir and it contains a plate 5 that is fitted against the inner end of the bristles and is provided with an orifice 6 through which the marking fluid entering into the head 3 may escape to enter the bristles. 7 is a nipple extending 30 from the plate 5 into the bristles.

8 designates a valve seat member that is seated within the reservoir 1 at its inner end and is provided with a central orifice 9 through which the marking fluid flows to enter the brush head and is surmounted by a 35 guide 10.

11 is a valve adapted to control the flow of marking fluid through the orifice in the valve seat member and which is located at the inner or forward side of the valve seat member. This valve is carried by a valve 40 rod 12 that is loosely seated in a guide 13 in the reservoir. At the upper end of the valve rod is a head 14 preferably removably secured to the rod and between said head and the guide 13 is a retracting spring 15 that tends to move the valve 11 in a direction toward 45 the valve seat member adjoining it.

16 is a cap detachably connected to the outer end of the reservoir 1, in order that it may be readily removed for the purpose of filling the reservoir with marking fluid or for the purpose of cleansing the interior of the reservoir.

17 designates an adjustment screw seated in the cap 16 and preferably provided at its inner end with a button 18 that bears against the head 14 of the valve rod 12. This adjustment screw is adapted to be turned in the reservoir cap for the purpose of causing it to exert 55 an inward pressure against the valve rod 12 in opposition to the force of the retracting spring 15 applied to said rod in order that the valve 11 may be unseated to any desired degree.

It will be seen that the seating of the valve may be, 60 by this means, accomplished to a nicety to permit only the requisite flow of marking fluid to the bristles without any surplus of such fluid being present in the bristles at any time. Also that when it is desired to discontinue the flow of marking fluid from the reservoir 65 this may be readily accomplished by turning the adjustment screw outwardly to permit action of the retracting spring upon the valve rod with the effect of seating the valve against the valve seat member 8.

19 designates an air vent in the reservoir cap that is controlled by a valve 20, the rod of which extends through said vent to the exterior of the cap and is provided with a push button 21. Between the cap and the push button is a retracting spring 22 that acts to hold the air valve in a closed condition. When, how- 75 ever, it is desired to admit air to the reservoir to provide for the ready flow of marking fluid therefrom the valve is readily unseated by exerting pressure upon the push button 21.

We claim:

In a fountain brush, the combination of a reservoir, a valve seat member in said reservoir, a valve adjacent to said valve seat member and provided with a spring controlled valve rod, a cap applied to the outer end of said reservoir, and an adjustment screw mounted in said 85 cap and bearing against the outer end of said valve rod, substantially as set forth.

EDWARD A. GARVEY.
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In presence of—
BLANCHE HOGAN,
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