

C. F. SCHUH.
FOUNTAIN SPONGE HOLDER.
APPLICATION FILED MAY 4, 1910.

1,052,016.

Patented Feb. 4, 1913.

Fig. 1

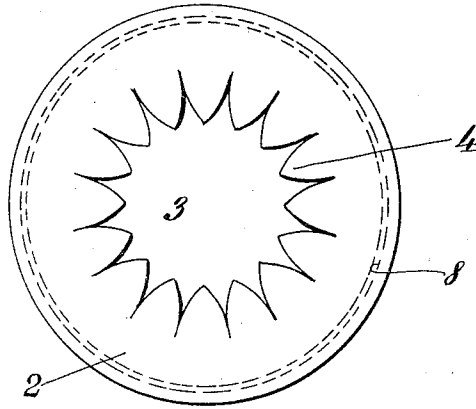
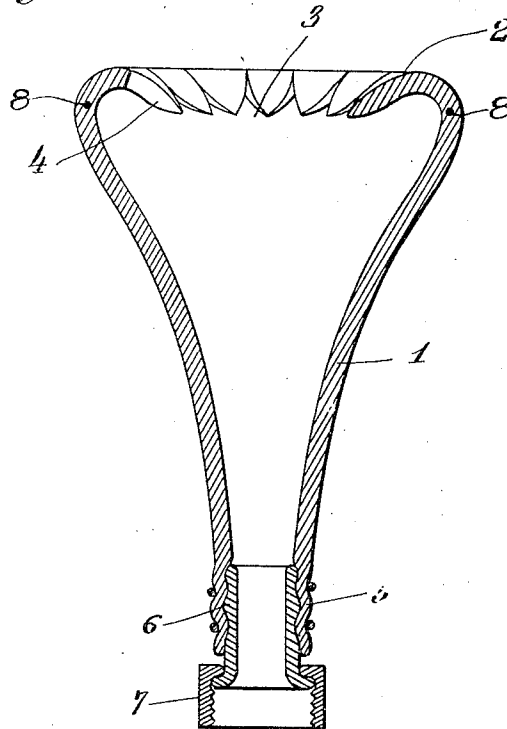


Fig. 2



Witnesses:
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UNITED STATES PATENT OFFICE.

CHARLES FREDERICK SCHUH, OF TUCKAHOE, NEW YORK.

FOUNTAIN SPONGE-HOLDER.

1,052,016.

Specification of Letters Patent.

Patented Feb. 4, 1913.

Application filed May 4, 1910. Serial No. 559,274.

To all whom it may concern:

Be it known that I, CHARLES F. SCHUH, a citizen of the United States, residing at Tuckahoe, in the county of Westchester and State of New York, have invented certain new and useful Improvements in Fountain Sponge-Holders, of which the following is a full, clear, and exact specification.

This invention relates to sponge holders or the like, and has particular reference to a fountain holder adapted to contain water and hold a sponge, or, more specifically, to be coupled to a hose at one end and hold a sponge at the other. Such a device is more especially intended for washing vehicles, windows or the like where it is desirable to supply ample water to the surface to carry away the dirt without undue waste.

According to this invention, I provide a reservoir having a resilient portion adapted to retain a sponge, cloth or other washing material, and constructed so that the washing material is more tightly gripped as the water pressure is applied.

The invention will be more fully understood in connection with the accompanying drawing, which shows, in Figure 1, a view of the sponge holding end, and, in Fig. 2, a section of one form of the invention.

1 represents a globular body portion or reservoir having one end intumed, as at 2, leading to an opening 3, the opening 3 preferably being provided with serrations or teeth 4 projecting inwardly below the opening, as shown in Fig. 2. The other end 5 preferably is provided with a nipple 6 and coupling 7 to be attached to an ordinary hose, whereby a continuous supply of water may be obtained. By reason of the resilient or extensible aperture 3, which is depressed below the end of the resilient portion 2 of the body, a sponge or cloth or the like can be easily thrust through the opening, partially filling the interior. When the water is turned on, the pressure tends to force the sponge out and thereby the aperture contracts and grips it more tightly. The edge of the aperture 3 is preferably inclined or beveled on the inner face as shown in the drawing, so as to form a depressed circumferential edge, which, upon increase of the pressure, will tend to be forced outwardly, and in doing so it necessarily will, by reason of the elastic material of which it is composed, contract and thereby grip the sponge or other washing material more

tightly. It will be seen that an increased holding effect will be obtained by providing the edge of the aperture with inwardly and diagonally projecting resilient teeth 4, which are peculiarly adapted for holding a sponge, and such teeth are of advantage, in that they permit a wider variation in the size of the sponge employed with a given aperture, it being obvious that the teeth will enable a smaller sponge to be used than where reliance is had solely upon the holding effect of the continuous beveled edge of the aperture. Moreover, as the water pressure increases these teeth tend to straighten out and contract toward each other transversely of the aperture, thereby digging into the washing material and very firmly grasping the sponge.

It will be understood that the sponge, cloth or other material used will be sufficiently porous to permit the passage of the water more or less freely, while at the same time the dirt will be carried away by the water and not clog the sponge or washing device.

In practice, I propose to make the resilient portion 2 and the serrations of rubber, and the body portion 1 may be of rubber or other suitable material. Also, a reinforcing wire 8 is applied to or molded in the enlarged portion of the body to strengthen and stiffen it. Also, various materials may be used, but I have found rubber best adapted for the resilient holding portion 2 and the serrations or teeth 4.

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

1. A fountain holder for a washing material comprising a hollow supporting body having an aperture at one end to receive said washing material, said aperture being formed by an inwardly projecting wall or edge depressed within the outer end of the body, and formed of elastic material to be distended at the depressed inwardly projecting portion to grip the washing material while permitting passage of fluid through the interstices thereof and holding it frictionally, said depressed wall having an inner inclined surface constituting a contractible gripping means, which upon increase of fluid pressure contract the aperture to more tightly grip said washing material.

2. A fountain holder for a washing material comprising a hollow supporting body

having an aperture at one end to receive
said washing material, said aperture being
formed by an inwardly projecting serrated
wall or edge depressed within the end of the
5 body, said serrated edge comprising diagon-
ally and inwardly extending resilient teeth,
and formed of elastic material to be distended
at the depressed inwardly projecting portion
to grip the washing material, said teeth re-
10 siliently engaging said material and yield-

ing toward each other upon increase of fluid
pressure to contract the aperture to more
tightly grip said washing material.

In testimony whereof I affix my signa-
ture, in presence of two witnesses.

CHARLES FREDERICK SCHUH.

Witnesses:

J. S. WOOSTER,
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