

O. N. SANDHOLM.
 WASHING APPLIANCE.
 APPLICATION FILED JUNE 16, 1921.

1,426,606.

Patented Aug. 22, 1922.

FIG. 1.

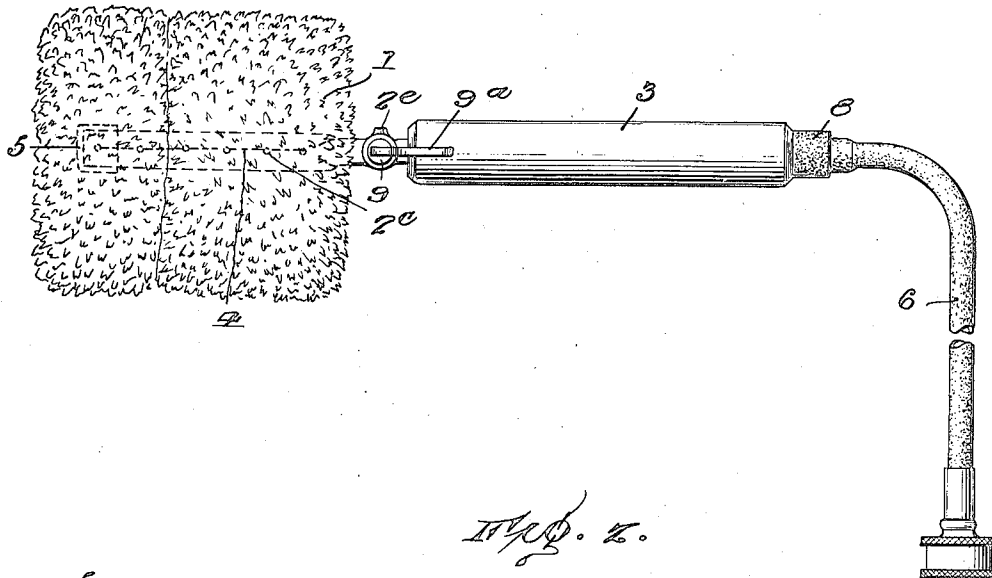


FIG. 2.

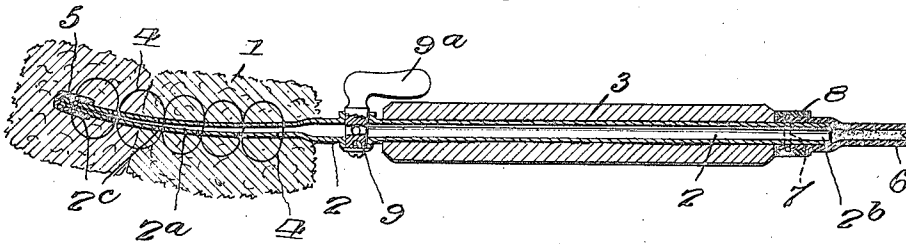


FIG. 3.

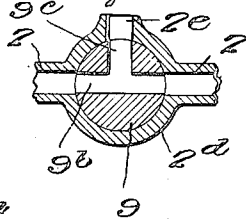
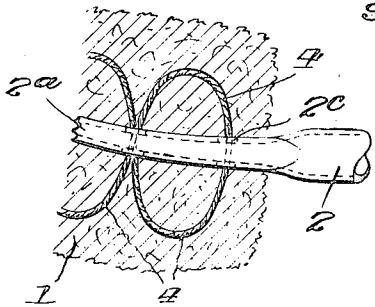


FIG. 4.



Inventor

Oscar Nelson Sandholm,

By *Peattie, Otis & Royden*

Attorneys

UNITED STATES PATENT OFFICE.

OSCAR NELSON SANDEHOLM, OF DENVER, COLORADO, ASSIGNOR TO THE NEVER
SCRATCH AUTO WASHER COMPANY, OF DENVER, COLORADO, A CORPORA-
TION OF COLORADO.

WASHING APPLIANCE.

1,426,606.

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To all whom it may concern:

Be it known that I, OSCAR NELSON SAND-
HOLM, a citizen of the United States, resid-
ing at Denver, in the county of Denver and
State of Colorado, have invented certain
new and useful Improvements in Washing
Appliances, of which the following is a
specification.

This invention relates to washing appli-
ances and pertains particularly to a foun-
tain type appliance for use in washing vehi-
cle and automobile bodies.

One object of the invention is to provide
a simple construction by which a sponge or
other relatively soft cleaner member may be
secured to the handle or pipe through which
the cleaning water is supplied.

Another object of the invention is to pro-
vide a fastening for the sponge or cleaner
member which securely holds this member in
position, and which will be formed of material
which will not scratch the finish of the
article on which it is used, and which prefer-
ably is capable of absorbing water.

Another object of the invention is to provide
a conveniently located valve and valve
handle, capable of manipulation by the fin-
gers of the hand of the operator which en-
gage the handle portion of the appliance.
The valve includes a discharge nozzle which
is adapted to project a stream of water di-
rectly on the surface which is undergoing
the cleaning treatment.

The above and other features of the in-
vention, and the advantages of such features,
are described and claimed in the following
specification and claims, and illustrated in
the accompanying drawing in which—

Fig. 1 represents a top plan view of an
appliance including a sponge, a handle grip
portion, a valve and nozzle between the
handle and the sponge, and a hose connec-
tion to that end of the handle opposite to
the sponge;

Fig. 2 represents a vertical section through
the appliance illustrated in Fig. 1, and show-
ing the central bore of the tube;

Fig. 3 is a central sectional view through
the discharge nozzle and three way valve
located between the handle and the sponge;
and

Fig. 4 is an enlarged view of a portion of
the sponge shown in Fig. 2, illustrating the
position of the fastening cords embedded

in the sponge and passing through perfora-
tions in the tube.

Referring in detail to the construction
illustrated, 1 represents a sponge or other
relatively soft cleaner member, preferably
capable of absorbing water, which may be
formed of one or more parts mounted on
and covering a relatively stiff tube 2. This
tube is preferably a metal tube which has
one portion adjacent the end flattened as
indicated at 2^a, and the sponge completely
covers this flattened portion. A handle grip
portion 3 is fitted over the tube 2 and is po-
sitioned relatively close to the sponge so as
to provide a convenient and compact device.
At the opposite end of the tube 2 and on a
portion thereof indicated at 2^b, extending
beyond the handle 3, a supply hose is at-
tached as will be described. Referring again
to the mounting of the sponge on the tube
portion 2^a, this flattened portion is provided
with a series of perforations extending from
one side through to the opposite side of the
tube, these perforations being indicated at
2^c. The sponge is held in position by fibrous
cord 4 which is sewed through the sponge
and passed through the openings 2^c and back
through the sponge. The view in Fig. 4
shows the manner in which the fastening
cord 4 is embedded in the sponge and the
relative size of the cord with respect to the
size of the openings. When the cord is thus
sewed through the sponge and through the
openings in the tube and pulled tight, the
sponge is very securely mounted on the flat-
tened portion of the tube, the cord becoming
embedded in the sponge. The extreme end
of the flattened portion 2^a is closed by any
suitable means, and a satisfactory method
is to simply press the extreme end of the tube
into a flattened tip. Solder could be applied
if desirable to effect a positive closure. A
protective tip 5 of rubber or other soft mate-
rial may be fitted over the extreme end of
the tube to remove chance of scratching in
case the end of the tube should project
through the sponge.

A supply hose 6 is secured to the end por-
tion 2^b by means of a clamping wire 7, and
a protective ring of rubber or other non-
scratching material is preferably fitted over
the wire 7 as indicated at 8.

The flushing stream of water is provided
by the valve and discharge nozzle located

between the handle 3 and the sponge 1. The valve is formed in the valve casing 2^a having the laterally projecting discharge nozzle 2^c. Rotatably positioned within the casing 2^a, is the rotatable valve plug 9 having an opening therethrough 9^b, and a second opening 9^c extending at right-angles to the opening 9^b. A handle 9^a projects upwardly for manipulation by the operator. The opening 9^b is normally in alignment with the bore of the tube 2 when supply liquid is directed to the sponge. The opening 9^c may be brought into alignment with the discharge nozzle as indicated in Fig. 3, or it may be brought into alignment with the bore of the tube 2, as may be desired.

In the normal operation of the appliance water from a supply hose is led into the tube 2 through the hose 6 and oozes out through the sponge by passing through the holes 2^c, and in this action, both the sponge and the fastening cord absorb the constant supply of fresh water and become soft, and at the same time the movement of water from the interior to the exterior of the sponge serves to keep the sponge clean. The three way valve is so located that it may be controlled by the thumb or one finger of the hand which is supporting the handle, and it is therefore possible to control the flow of water as needed and manipulate the appliance with one hand, and at the same time, use the other hand for other cleaning or washing operation. The valve may entirely shut off the water from the sponge and project a stream of water laterally from the nozzle 2^c to flush the surface which is being cleaned. In the position of the valve shown in Fig. 3, water may be projected through the sponge and also from the discharge nozzle at one and the same time.

The valve casing 2^a may be formed integrally with the tube 2 or may be mounted in alignment with the tube 2 by any convenient soldering or brazing operation. Cloth cleaning members may be substituted for the sponge member 1, and various forms of fastening cord may be used. This appliance is peculiar in that it utilizes the openings in the tube for the discharge of water and for the fastening means. This mounting of the fastening means through the openings for the discharge of water from the tube, together with the flattened form of the tube, serves to provide a relatively firm mounting for the sponge and to diminish any tendency for the sponge to turn on the tube.

I claim:

1. A washing appliance comprising a relatively stiff tube having a series of perforations therethrough a relatively soft cleaner member mounted on said tube and covering

the end thereof and said series of perforations, and fastening means engaging said cleaner member and passing through said perforations of said tube and securing said cleaner member on said tube.

2. A washing appliance comprising a relatively stiff tube provided with a pair of diametrically arranged perforations, a cleaner member covering the end of said tube and said perforations, fastening means passing through said perforations and engaging said cleaner member and securing the same on said tube, and a hose connected to the end of said tube opposite to said cleaner member.

3. A washing appliance comprising a relatively stiff tube having one end portion slightly flattened and having a series of perforations therethrough, a relatively soft cleaner member mounted on said tube and covering the end thereof and said series of perforations, and fastening means engaging said cleaner member and passing through said perforations of said tube and securing said cleaner member on said tube.

4. A washing appliance comprising a relatively stiff tube having a series of perforations therethrough, a relatively soft cleaner member mounted on said tube and covering the end thereof and said series of perforations, a soft protective tip covering the end of said tube within said cleaner member, and fastening means engaging said cleaner member and passing through said perforations and the said tube and securing said cleaner member on said tube.

5. A washing appliance comprising a relatively stiff tube, a relatively soft cleaner member mounted on said tube, a handle grip portion on said tube positioned relatively close to said cleaner member, a valve device on said tube located between said cleaner member and said grip portion, and a laterally projecting lever for manipulating said valve device said valve device being adapted to discharge a stream of water laterally therefrom and to control such flow and the flow of liquid through said cleaner member.

6. A washing appliance comprising a relatively stiff tube, a relatively soft cleaner member mounted on said tube, a handle grip portion on said tube positioned relatively close to said cleaner member, and a valve device on said tube located between said cleaner member and said grip portion, said device comprising a laterally projecting nozzle, a three way valve for regulating the flow of liquid from said nozzle and to said cleaner member, and a laterally projecting lever for manipulating said valve.

In testimony whereof I affix my signature.
OSCAR NELSON SANDHOLM.