

No. 632,683.

G. L. GARDNER.
SCRUBBER.

Patented Sept. 5, 1899.

(Application filed July 15, 1898.)

(No Model.)

Fig. 1.

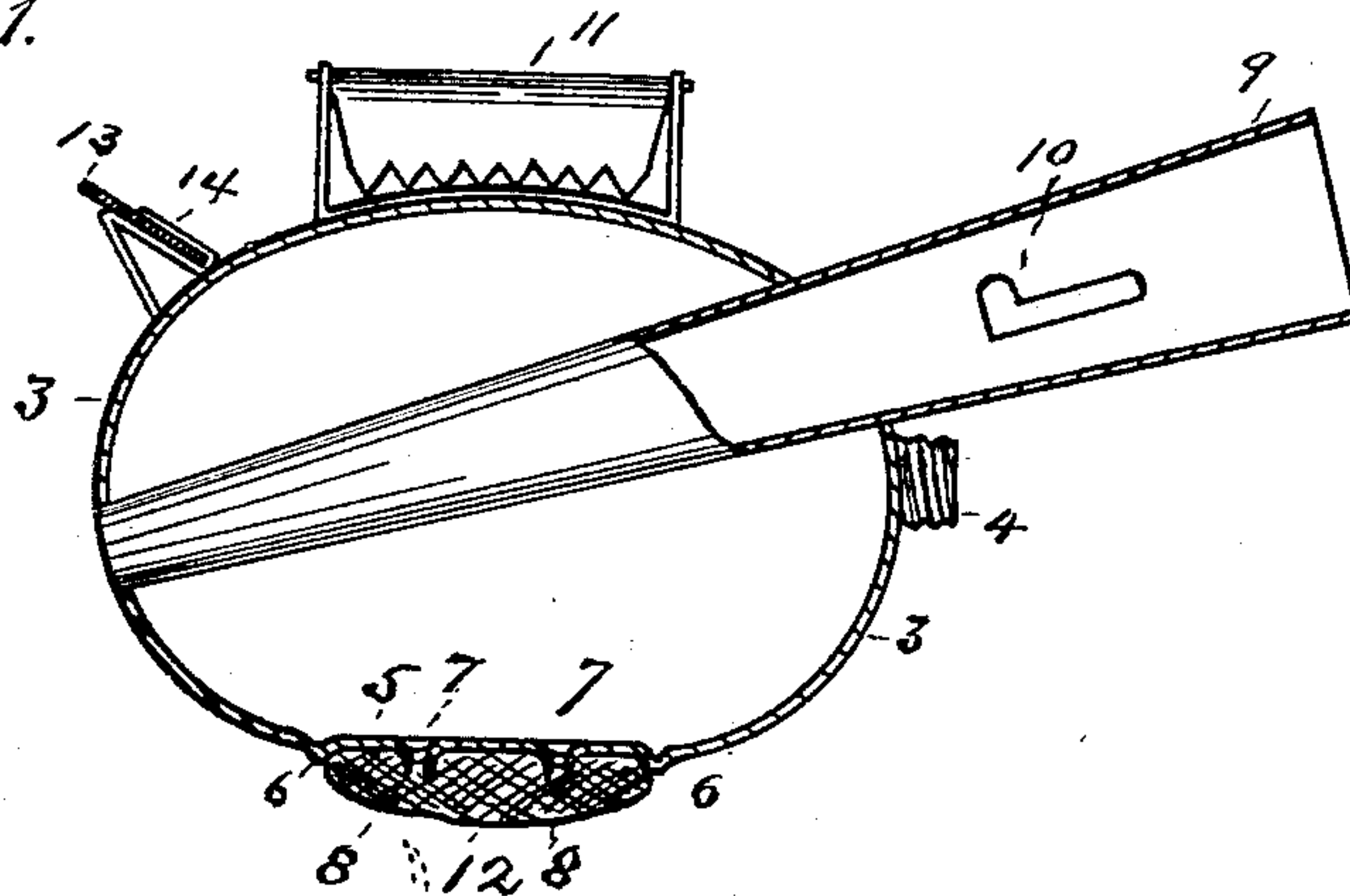
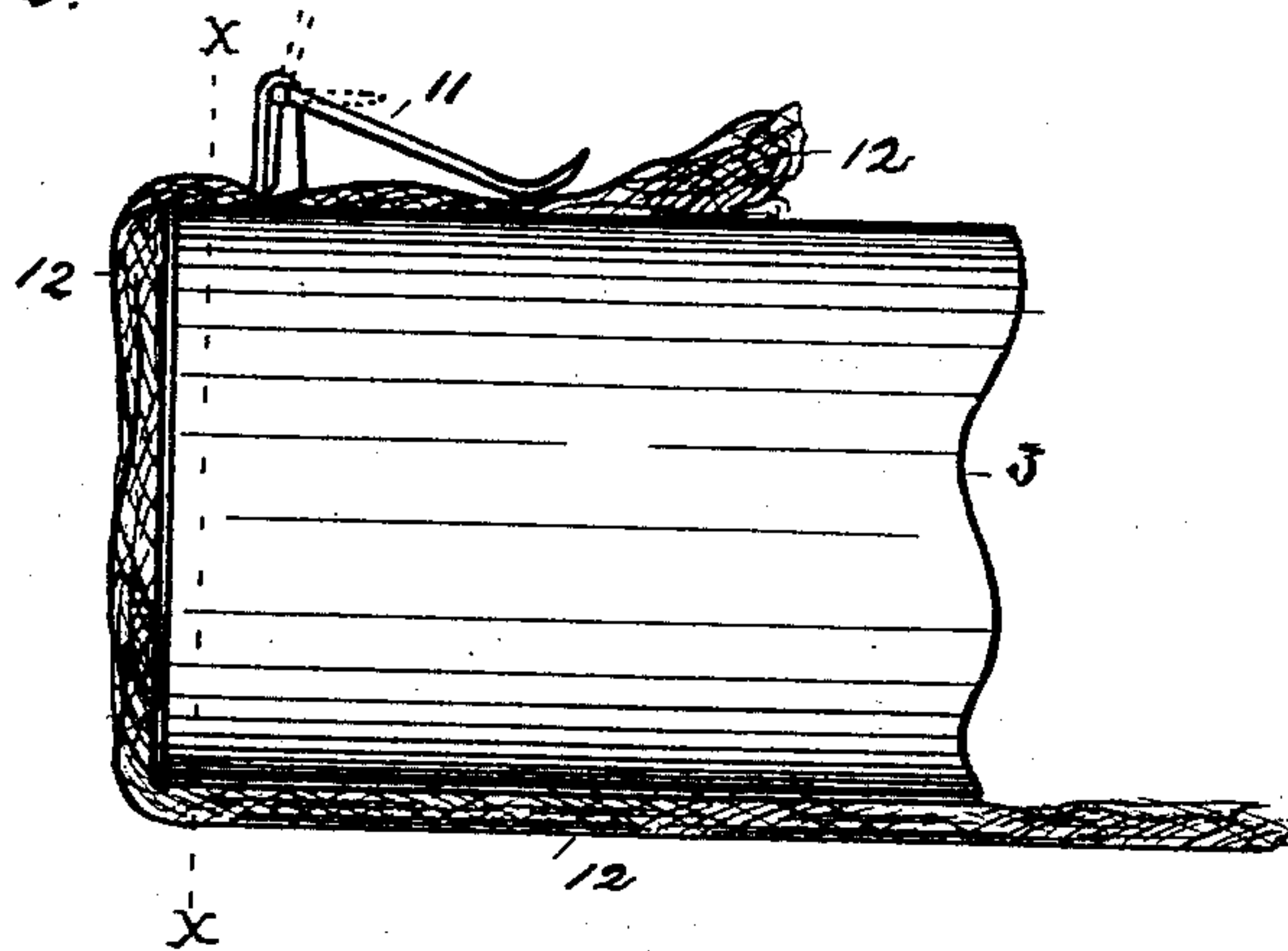


Fig. 2.



WITNESSES:

W. J. Burns
Albert Baker

George L. Gardner INVENTOR

BY H. C. Hartman
his ATTORNEY.

UNITED STATES PATENT OFFICE.

GEORGE L. GARDNER, OF DAYTON, OHIO, ASSIGNOR TO ROBERT H. DICKS,
OF SAME PLACE.

SCRUBBER.

SPECIFICATION forming part of Letters Patent No. 632,683, dated September 5, 1899.

Application filed July 15, 1898. Serial No. 686,010. (No model.)

To all whom it may concern:

Be it known that I, GEORGE L. GARDNER, a citizen of the United States, residing at Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Scrubbers and Mops; and I do declare the following to be a full, clear, and exact description of the invention, such as 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 marked thereon, which form a part of this specification.

My invention relates to that class of scrubbers and mops in which the cleansing device is held upon a handle whereby it is operated; and the invention consists in the construction and novel combination of parts hereinafter described, pointed out in the appended claims, and illustrated in the accompanying drawings, in which—

Figure 1 is a cross-section of the device taken through the line *xx* of Fig. 2. Fig. 2 is a side view of the device with part broken away.

Similar numerals of reference refer to similar parts throughout both views.

The invention consists of a tubular reservoir 3, provided with a screw-cap 4, through which it is filled with water. The reservoir is shown oval in cross-section as a convenient form thereof. A portion of one side is preferably made flat to form a seat 5 for a mop-cloth and is provided with two parallel longitudinal projections 6, between which the mop-cloth lies, and also with small perforations 7 for the slow escape of water, which constructions extend the entire length of the reservoir 3. Sharp projections 8 are provided to hold the mop-cloth in place. They are preferably formed by bending the portion removed to form the perforation 7 outward so as to have sharp edges, and they are also bent, preferably, in hook form, as shown in Fig. 1. The reservoir is provided with a socket 9, which is provided with an L-slot 10, whereby the handle (not shown) can be readily secured to it. On the side of the reservoir opposite to the seat 5 and at each end are two catches 11, arranged to clamp the mop-cloth 12 in place and arranged to permit

it to be drawn tight along the bottom and cover the end of the reservoir 3, as shown in Fig. 2, and to clamp the same firmly without releasing the tension of the cloth. There is also provided a rubber scrubbing-plate 13, securely held in place for operation by an attachment to the reservoir 3, preferably a piece of tin 14 bent to form a brace, and also to form a slot into which a portion of the rubber plate 13 is inserted and held firmly by pressure between the parts, as shown.

The mode of operation is as follows: The mop-cloth 12 is made of any suitable thickness or thicknesses of cloth and of suitable width to fit in between the projections 6, and of a thickness to extend out beyond them, so that any impingement upon the article to be cleansed will be against the cloth 12 and not against the projections 6. This cloth is held with proper tension by the catches 11, as described, and therefore duplicate mop-cloths can be used, as desired, or mop-cloths of different textures for different kinds of work. The reservoir is then filled with water through the cap 4, which is then closed, preventing the outflow of water except through the perforations 7. The handle is inserted and secured in the holder 9, and the operator mops and scrubs the article to be cleansed with either the moistened cloth 12, and in case of glass with the rubber scrubbing-plate 13, or alternately with both. The mop furnishes all the water required for the rubber plate as needed.

The device thus constructed and operated furnishes an automatically-moistened mop or cloth for cleansing, which can readily be renewed or changed, and also provides a rubber plate for polishing and finishing, the water in the reservoir being sufficient to furnish all the moisture required for considerable work. Whenever the cloth needs changing from becoming foul or for other reasons, it is very readily done by removing the catches 11, taking off the cloth and substituting another one, and the cloth, is always held with the proper tension, so as to furnish an improved automatically-dampened "mop," so to speak, for the purpose. The necessity for frequently dampening the mop is avoided, and a rubber polishing-plate is conveniently held for in-

stant use when the mopping is done. Other advantages will readily suggest themselves.

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

5 Patent, is—

1. In a combined scrubber and mop, the combination of a tubular reservoir provided with means of attachment to a handle; a mop-cloth removably secured thereto; a seat for
10 the mop-cloth; consisting of a flat surface having longitudinal ridges on each side between which the cloth lies; spring-catches on said reservoir to hold the mop-cloth securely with a tension and arranged to act automat-
15 ically as the mop-cloth is being adjusted; perforations for the escape of water; projections adapted to hold the mop-cloth in place along its entire lengths; and a rubber scrub-
bing-plate secured to said reservoir.

2. In a combined scrubber and mop, the combination of a tubular water-reservoir provided with means of attachment to a handle; a mop-cloth removably secured to said reservoir; catches on said reservoir adapted to hold the mop extended longitudinally in place
25 with a tension; perforations for the escape of water upon the mop-cloth; a rubber scrubbing-plate; tubular openings for filling the reservoir provided with screw-caps for closing; and projections adapted to hold the mop-
30 cloth in place along its entire length.

In witness whereof I have hereunto set my hand in the presence of two witnesses.

GEORGE L. GARDNER.

Witnesses:

FRANK E. JAMES,
F. D. BITTINGER.