

No. 724,634.

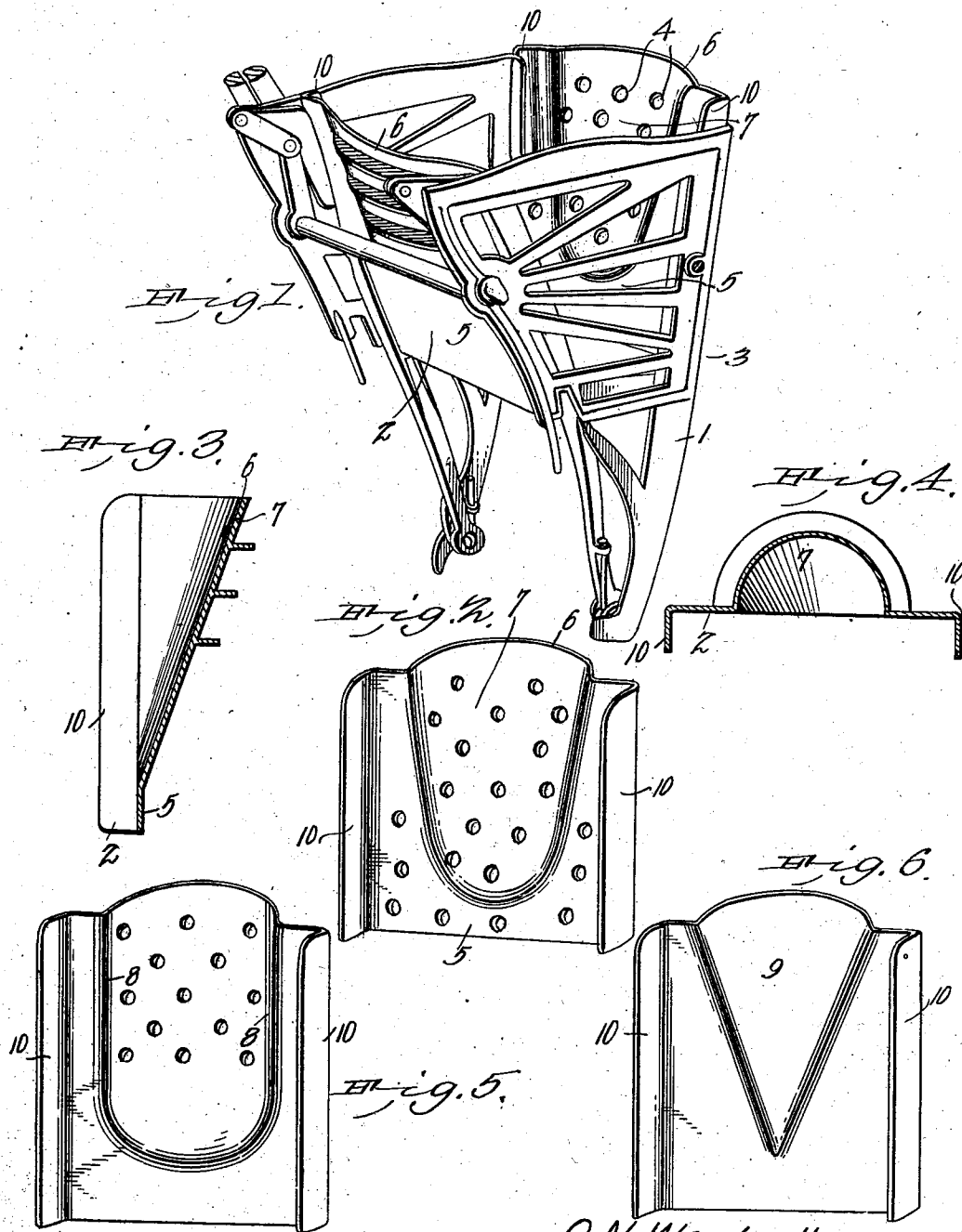
PATENTED APR. 7, 1903.

O. N. WARDWELL & H. C. WHITE.

MOP WRINGER.

APPLICATION FILED JULY 22, 1902.

NO MODEL.



Witnesses
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UNITED STATES PATENT OFFICE.

OLIN N. WARDWELL, OF BALDWINVILLE, MASSACHUSETTS, AND HUBERT C. WHITE, OF JAMAICA, VERMONT, ASSIGNORS TO WHITE MOP WRINGER COMPANY, OF JAMAICA, VERMONT.

MOP-WRINGER.

SPECIFICATION forming part of Letters Patent No. 724,634, dated April 7, 1903.

Application filed July 22, 1902. Serial No. 116,571. (No model.)

To all whom it may concern:

Be it known that we, OLIN N. WARDWELL, residing at Baldwinville, in the county of Worcester and State of Massachusetts, and
5 HUBERT C. WHITE, residing at Jamaica, in the county of Windham and State of Vermont, citizens of the United States, have invented a new and useful Mop-Wringer, of which the following is a specification.

10 The invention relates to improvements in mop-wringers.

The object of the present invention is to improve the construction of mop-wringers, more especially the construction of the pressers or
15 presser-boards, and to provide a simple and comparatively inexpensive construction designed for wringing mops having round heads and adapted to apply a uniform and yielding pressure to the solid round portion of the head
20 and an unyielding pressure to the lower or outer flexible portion of the mop-head.

A further object of the invention is to provide a presser or presser-board which will cause a round mop-head to automatically ad-
25 just itself to the mop-wringer and which, should a round mop-head be inserted too far into it, will automatically press the same upward and apply a uniform pressure to the mop.

30 The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

35 In the drawings, Figure 1 is a perspective view of a mop-wringer provided with presser-boards constructed in accordance with this invention. Fig. 2 is a detail perspective view of one of the presser-boards. Fig. 3 is a ver-
40 tical sectional view of the same. Fig. 4 is a horizontal sectional view. Figs. 5 and 6 are detail views illustrating modifications of the presser-board.

Like numerals of reference designate cor-
45 responding parts in all the figures of the drawings.

1 and 2 designate stationary and movable presser-boards mounted in a mop-wringer 3, constructed similar to that shown and de-

scribed in Patent No. 698,773, granted to 50 Hubert C. White on or about the 29th day of April, 1902, with the exception of the pressers or presser-boards herein shown and described, and as the presser-boards are appli-
55 cable to various mop-wringers, and especially to that shown and described in the said patent, a description of the stationary and movable presser-frames and the means for operating the movable presser-frames is unneces-
sary. 60

The stationary presser-board 1 is provided with perforations 4, and the movable presser-board 2 is imperforate. Each presser-board, which is provided with a flat or straight lower portion 5, has an intermediate upwardly-
65 extending outwardly-bowed transversely-curved portion 6, forming an inclined wall 7, adapted, should a round mop be introduced too far into the mop-wringer, to press or force the same upward, so that the solid inflexible
70 portion of the mop-head will be properly positioned with relation to the presser-board to receive a uniform pressure without interfering with the squeezing action of the presser-board on the outer or lower flexible portion 75 of the mop-head. The outwardly-bowed transversely-curved portion may be downwardly-tapered and rounded at the base, as illustrated in Figs. 1 to 4, inclusive, or it may be made substantially of the same width, as
80 shown in Fig. 5, in which the outwardly-bowed portion has approximately parallel side edges 8, or a strictly semiconical outwardly-bowed portion 9 may be used, as shown in Fig. 6 of the drawings. The outwardly-bowed
85 portion extends downward from the upper edge of the presser-board, and it terminates short of the bottom edge of the same to provide the lower straight portion 5, and it is also spaced from the side edges of the presser-board, which is provided with side flanges 10,
90 designed to be provided with suitable perforations for the reception of fastening devices for securing the presser-board in position in the mop-wringer. The presser-board may be
95 constructed of metal or any other suitable material.

It will be seen that the presser-board is ex-

ceedingly simple and inexpensive in construction, that as it is provided with a bowed or transversely-curved surface and a flat or straight surface it is especially adapted for squeezing
 5 or wringing a round mop, and that as the transversely-curved surface or portion is arranged at an inclination and gradually merges at the bottom into the flat surface by an easy slope a substantially uniform pressure is brought to
 10 bear on all parts of a round mop. Furthermore, it will be clear by this construction that if a mop be inserted too far into a wringer the transversely-curved inclined portions will press the mop upward and cause the same to
 15 automatically adjust itself to the presser-boards. Besides being adapted to exert a uniform pressure on round mops the presser-board is adapted for wringing flat mops and will bring a uniform pressure to bear on
 20 all parts of a mop adjacent to the handle.

The transversely-bowed downwardly-inclined portion may be varied in size to adapt it for operating on mops of different sizes and makes, and the presser-boards may also be re-
 25 inforced by exterior ribs similar to those shown in the said patent.

Either of the presser-boards of a mop-wringer may be provided with perforations or be imperforate, and, if desired, the im-
 30 proved presser-board may be used in connection with an ordinary straight presser-board

or the like, and we desire it to be understood that changes in the form, proportion, size, and the minor details of construction within
 the scope of the appended claims may be re- 35
 sorted to without departing from the spirit or sacrificing any of the advantages of this invention.

What we claim is—

1. In a mop-wringer, a presser-board hav- 40
 ing a straight or flat lower face and provided with a downwardly-inclined transversely-curved face located above the flat face and provided with a tapering bottom portion merging into the lower straight face, substan- 45
 tially as and for the purpose described.

2. In a mop-wringer, a presser-board provided with a downwardly-inclined transversely-curved face having a tapering bot-
 tom portion, substantially as and for the pur- 50
 pose described.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in the presence of witnesses.

OLIN N. WARDWELL.
 HUBERT C. WHITE.

Witnesses for Wardwell:

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Witnesses for White:

JULIUS G. WHITE,
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