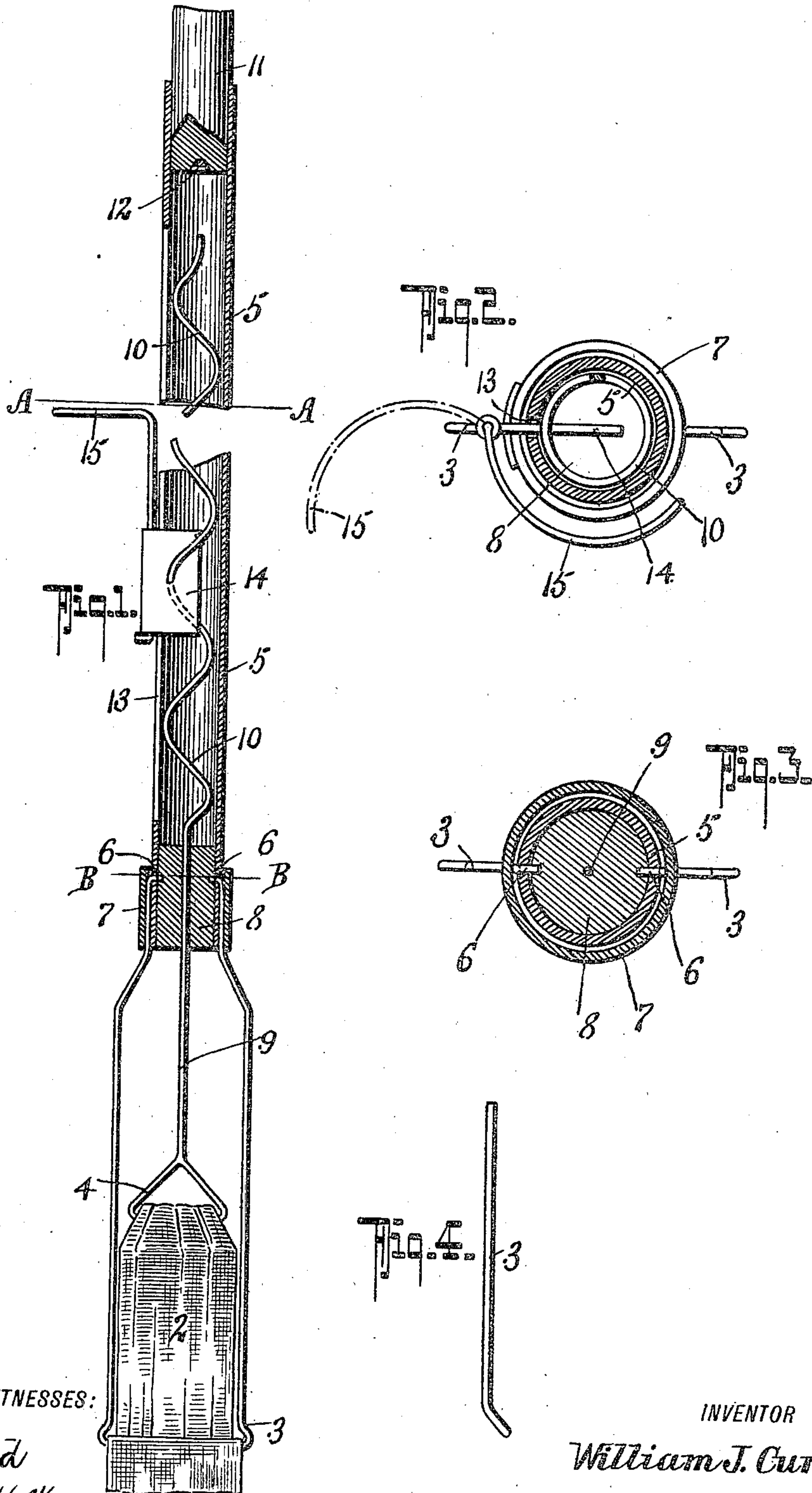


W. J. CURRY.  
 COMBINED MOP HEAD AND WRINGER.  
 APPLICATION FILED MAY 18, 1909.

960,627.

Patented June 7, 1910.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

WILLIAM J. CURRY, OF VICTORIA, BRITISH COLUMBIA, CANADA.

COMBINED MOP HEAD AND WRINGER.

960,627.

Specification of Letters Patent.

Patented June 7, 1910.

Application filed May 18, 1909. Serial No. 496,778.

*To all whom it may concern:*

Be it known that I, WILLIAM J. CURRY, citizen of the Dominion of Canada, residing at Victoria, in the Province of British Columbia, Canada, have invented a new and useful Improvement in Combined Mop Heads and Wringers, of which the following is a specification.

This invention relates to a mop holding device having provision by which the mop may be conveniently wrung out.

The invention is fully described in the following specification, reference being made to the drawings by which it is accompanied, in which—

Figure 1 is a longitudinal section through the operative part of the mop, Fig. 2, a cross section at A, Fig. 3, a cross section at B, and Fig. 4, a side view of the end of the fixed loop.

In these drawings 2 represents the fabric of the mop, which as usual in mop holding frames of this kind, has one end secured to a fixed loop 3, and the other to a rotatable loop 4. The fixed loop frame 3 is removably secured in the end of a tubular handle 5, the inwardly turned ends 6 of the loop being inserted in apertures in the tube and a sleeve 7 slidably passed over the parallel part of the ends to secure them in place.

The tubular handle 5 is provided with a plug 8 through which the stem 9 of the movable loop passes in a manner that it will be both endwise slidable and rotatable within it, and within the tube this stem 9 is formed into a quick pitched spiral 10 which is carried to a short distance from the upper end of the tube which is plugged and provided with a small end bearing 12. The upper end of the tube may be closed by a short length of wooden handle 11 removably socketed in the tube by which the length of the mop handle may be increased if such is desired, and which being removable enables the size of the mop to be reduced for packing or storage. The same remark holds good as to removable character of the fixed loop frame 3.

The tube is provided with a slot 13 extending lengthwise approximately the length of the spiral 10 and within this slot is endwise slidable a nut plate 14 through an aperture in which the spiral 10 is threaded. This nut plate may have a handle 15 secured to it preferably in a manner that it may be folded out of the way when not re-

quired, against the curvature of the tube as shown by full lines in Fig. 2.

The lower end of the fixed loop 3 may be off-set as shown in Fig. 4, and also laterally as shown in Fig. 1 to prevent the mop 2 from working around the corners of the frame.

When the mop is in use the nut plate 14 is toward the lower part of the tubular handle 5 and the mop fabric 2 folded in any suitable manner between the fixed and movable loops 3 and 4. When it is required to wring the mop the nut plate 14 is drawn up in its slot 13 by means of the handle 15 and the loop 4 is thereby first drawn to the limit of its endwise movement, that is until the end of the spiral enters the end bearing 12. Further movement of the nut plate rotates the spiral and with it the movable loop 4, by which means the mop fabric is both stretched and twisted to effect the wringing of it. It will be noticed that the movement is a comparatively easy one to execute, that it is continuous in that it does not require a fresh grip, as in those mop wringing devices which are rotatable by the grip of the hand, and further the direct pulling effort does not necessitate any disturbance of the end of the mop which may be held steadily, either in a pail of water as when cleansing a mop, or over a pail of water as when wringing it out, and splashing of the expressed water is avoided.

Having now particularly described my invention and the manner of its operation, I hereby declare that what I claim as new and desire to be protected in by Letters Patent, is—

1. A mop holding and wringing device comprising an endwise slotted tubular handle member a plug closing one end in which plug is a central bearing, a fixed loop member removably secured to one end of the handle to which loop one end of the mop fabric is secured a movable loop member to which the other end of the mop fabric is secured said loop member having a shank axially passing through the plug in the end of the tubular handle and terminating within the tube is a spiral or coil and means for slidably engaging the coil to rotate the attached loop and a plug inserted in the other end of said handle and having a shallow bearing for the end of said spiral.

2. A mop holding and wringing device, comprising a tubular handle lengthwise

slotted and provided with end plugs, a fixed mop holding member removably secured by a sleeve to the tubular handle, a mop holding member rotatably mounted in one of the end  
5 plugs of the tubular handle and terminating within the tube in a spiral or coil, a nut plate slidable in the slot of the tubular handle and through which plate the coil is threaded and an operating handle hinged to

the plate in a manner to fold against the 10 tubular handle.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM J. CURRY.

Witnesses:

ROWLAND BRITTAIN,  
CLIVE S. CARMAN.