

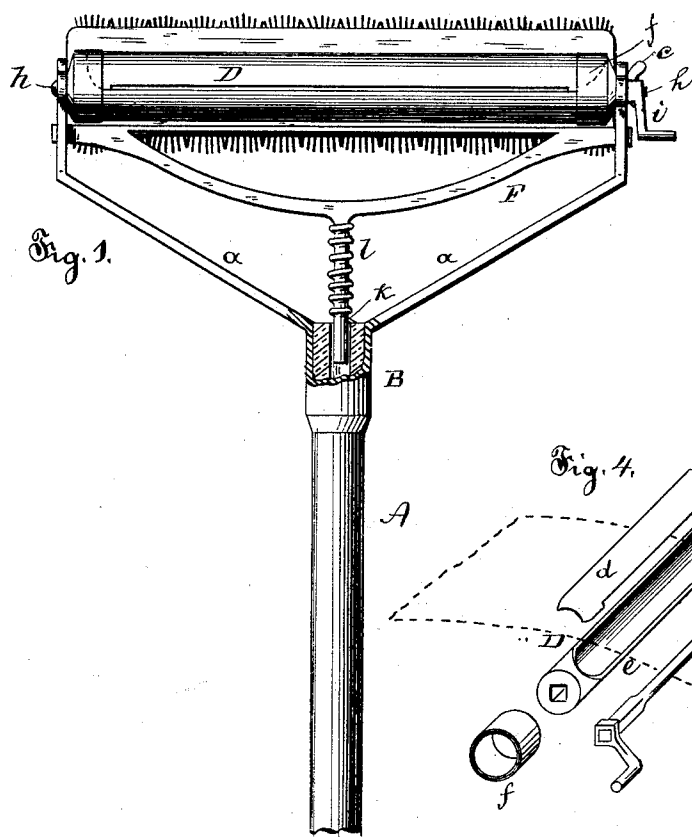
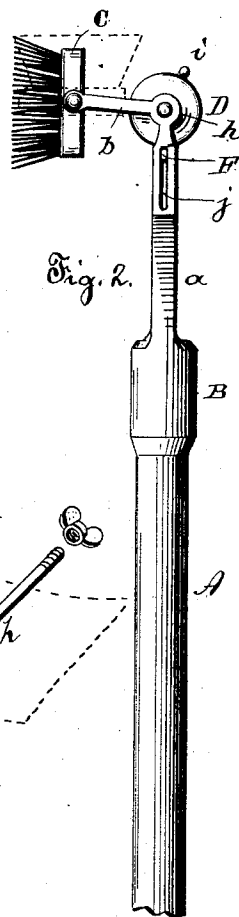
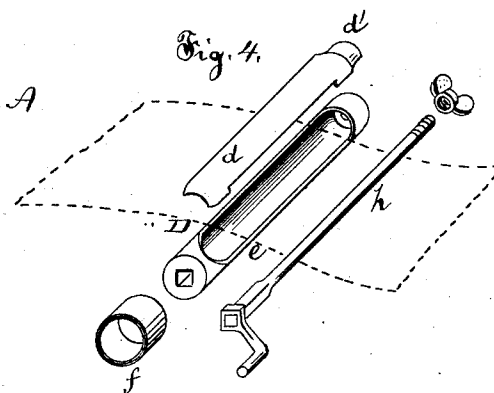
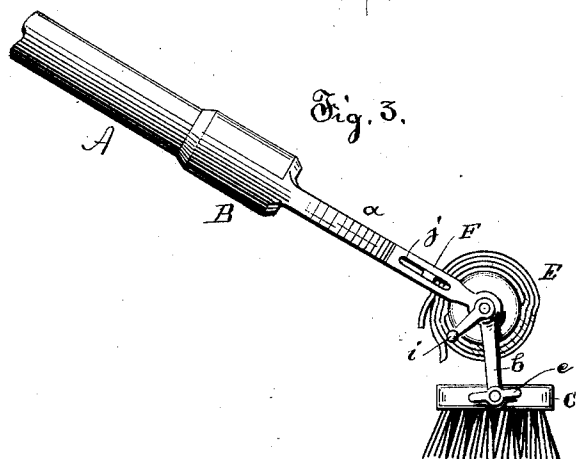
(No Model.)

Z. R. LA FLÉCHE & J. A. LEDOUX.

MOP WRINGER AND SCRUBBING BRUSH HOLDER.

No. 375,166.

Patented Dec. 20, 1887.



WITNESSES:

D. D. Mott
C. Sedgwick

INVENTOR:

Z. R. La Flèche
J. A. Ledoux
BY Munn & Co
ATTORNEYS.

UNITED STATES PATENT OFFICE.

ZOTIQUE R. LA FLÉCHE AND JOSEPH A. LEDOUX, OF CONCORDIA, KANSAS.

MOP-WRINGER AND SCRUBBING-BRUSH HOLDER.

SPECIFICATION forming part of Letters Patent No. 375,166, dated December 20, 1887.

Application filed June 29, 1886. Serial No. 206,656. (No model.)

To all whom it may concern:

Be it known that we, ZOTIQUE R. LA FLÉCHE and JOSEPH A. LEDOUX, of Concordia, in the county of Cloud and State of Kansas, have
5 invented a new and Improved Combined Mop, Mop-Wringer, and Scrubbing-Brush Holder, of which the following is a specification, reference being had to the annexed drawings, forming a part thereof, in which—

10 Figure 1 is a plan view partly in section. Fig. 2 is a side elevation showing the scrubbing-brush in different positions. Fig. 3 is a side elevation, taken from the opposite side, showing the action of the mop-wringer. Fig.
15 4 is a detail view of the roller of the mop-wringer.

Similar letters of reference indicate corresponding parts in the different figures of the drawings.

20 The object of our invention is to provide a convenient and effective device for holding a scrubbing-brush and mop and for wringing the mop.

Our invention consists in peculiar construction and arrangement of parts, as hereinafter
25 fully described, and pointed out in the claims.

To the handle A is secured a socket, B, from which projects in opposite directions two divergent arms, *a*, which near their extremities
30 extend forward parallel to each other, and are angled laterally, forming the short arms *b*, in the ends of which are received the pivots of the scrubbing-brush C, which consist of thumb-screws, which are employed to clamp the brush
3 in any desired position.

The roller D, which receives the mop E, is formed of the parts *d e*. The part *e* is formed of a hollow cylinder cut away on one side. The part *d* is formed of a segment of a hollow
40 cylinder, with the offset end *d'* adapted to fit into one end of the part *e*, the opposite end of the part *d* being held in place by a ring, *f*, which embraces the ends of the parts *d e*. A threaded rod, *h*, extends through the roller,

and is squared on one end to fit into the mor- 45
tise in the roller and to receive the crank *i*. The mop E is laid across the half *e*, as shown in dotted lines in Fig. 4, and clamped in place by the half *d*, which is secured in the manner already described.

50 The ends of the rod *h* are received in bearings formed at the juncture of the arms *a b*. The ends of the follower F project through slots *j* in the parallel parts of the arms *a*. The follower is provided with a shank, *k*, which 55
is received in a hole bored in the end of the handle A, and upon the shank, between the handle and the follower, is placed a spiral spring, *l*, which presses the follower forward into engagement with the mop carried by the 60
roller D.

The mop is wrung by winding it upon the roller by means of the crank *i*, under the pressure of the follower, and the mop is unwound after wringing by grasping its free end and 65
pulling it backward, or by withdrawing the follower from the roller and turning the roller in the opposite direction.

Having thus described our invention, what we claim as new, and desire to secure by Let- 70
ters Patent, is—

1. The herein-described mop-holding roller, consisting of the hollow cylinder *e*, with a portion intermediate its ends cut away on one side, the segmental portion *d*, having an offset 75
end, *d'*, and the ring *f*, as specified.

2. In a combined mop, mop-wringer, and scrubbing-brush holder, the handle A, arms *a*, provided with slots *j*, the follower F, provided with the shank *k*, the spring *l*, divided roller 80
D, the removable crank *i*, and the adjustable scrubbing-brush C, substantially as herein shown and described.

ZOTIQUE R. LA FLÉCHE.
JOSEPH A. LEDOUX.

Witnesses:

J. A. BROSSEAU,
FRANK GIRARD.